



RAPPORTI ISTISAN 26|15

ISSN: 1123-3117 (cartaceo) • 2384-8936 (online)

MS

MATERIALE SUPPLEMENTARE

**Relazione dell'Istituto Superiore di Sanità
sull'attività svolta nel triennio 2023-2025**

ELENCO DEGLI ARTICOLI SCIENTIFICI



**ATTIVITA'
ISTITUZIONALE**

ISTITUTO SUPERIORE DI SANITÀ

Materiale supplementare Rapporto ISTISAN 26/15

Relazione dell'Istituto Superiore di Sanità sull'attività svolta nel triennio 2023-2025

ELENCO DEGLI ARTICOLI SCIENTIFICI

ISSN: 1123-3117 (cartaceo) • 2384-8936 (online)

**Rapporti ISTISAN
26/15 MS**

Istituto Superiore di Sanità

Relazione dell'Istituto Superiore di Sanità sui risultati dell'attività svolta nel triennio 2023-2025. Elenco degli articoli scientifici.

2026, 165 p. Rapporti ISTISAN 26/15 Materiale supplementare

Il documento è organizzato in due volumi: Parte generale e Schede delle attività per struttura. Il primo volume contiene un quadro di riferimento sulla organizzazione dell'ente, gli ambiti di azione (ricerca; regolazione, controllo e monitoraggio; comunicazione e formazione) nonché le attività di amministrazione e gestione dell'ente. Specifici approfondimenti rispetto ad alcune tematiche sono riportati in Appendice. La relazione è completata da un secondo volume con schede specifiche che riportano una sintesi delle attività dei singoli Dipartimenti, Centri e Servizi e altre strutture corredate da una selezione di massimo dieci pubblicazioni scientifiche. L'elenco completo dei soli articoli scientifici nel triennio 2023-2025 è disponibile come materiale supplementare solo online.

Parole chiave: Istituto Superiore di Sanità; Relazioni annuali; Sanità pubblica

Istituto Superiore di Sanità

Report of the Istituto Superiore di Sanità on the activities carried out in the period 2023-2025. List of scientific articles.

2026, 165 p. Rapporti ISTISAN 26/15 (in Italian) Materiale supplementare

The document is organized into two volumes: General overview and Activity sheets per structure. The first volume contains a reference framework on the organization of the institution, the areas of action (research, regulation, control and monitoring, communication and training) as well as the administration and management activities of the institution. In the Appendix some topics are described in detail. The second volume reports a summary of the activities of Departments, Centres and Services and of other structures including a selection of a maximum of ten scientific publications. Moreover, the list of only scientific articles in the three-year period 2023-2025 is available only online as supplementary material.

Key words: Annual reports; Istituto Superiore di Sanità; Public health

Alla stesura di questo documento hanno contribuito i Direttori delle strutture tecnico-scientifiche (Dipartimenti, Centri e Servizi) e le strutture di Presidenza, la Direzione Generale e le due Direzioni Centrali dell'Ente.

Il documento è stato curato da Luisa Minghetti, Fabiola Giuliano (Servizio per il Coordinamento e promozione della Ricerca), e Sandra Salinetti (Servizio Comunicazione Scientifica).

Per informazioni su questo documento scrivere a: direzione.cori@iss.it

Il rapporto è accessibile online dal sito di questo Istituto: www.iss.it

Citare questo documento come segue:

Istituto Superiore di Sanità. *Relazione dell'Istituto Superiore di Sanità sui risultati dell'attività svolta nel triennio 2023-2025. Elenco degli articoli scientifici*. Roma: Istituto Superiore di Sanità; 2026. (Rapporti ISTISAN 26/15 Materiale supplementare).

Legale rappresentante dell'Istituto Superiore di Sanità: *Rocco Bellantone*

Registro della Stampa - Tribunale di Roma n. 114 (cartaceo) e n. 115 (online) del 16 maggio 2014

Direttore responsabile della serie: *Antonio Mistretta*

Coordinamento redazionale: *Sandra Salinetti*. Redazione: *Sandra Salinetti, Annalisa D'Angelo*

La responsabilità dei dati scientifici e tecnici è dei singoli autori, che dichiarano di non avere conflitti di interesse.



INDICE

Guida alla lettura	1
Anno 2023	3
Anno 2024	55
Anno 2025	110

GUIDA ALLA LETTURA

Il volume contiene l'elenco dei soli articoli scientifici pubblicati dal personale dell'Istituto Superiore di Sanità nel triennio 2023-2025 su riviste indicizzate da SciVal di Elsevier.

Si tratta di circa 2850 articoli scientifici di cui:

- 77% con dati originali
- 46% primo o ultimo autore affiliato ISS
- 40% con collaborazioni internazionali

Gli articoli sono presentati per anno, in ordine alfabetico del primo autore.

ANNO 2023

- Abbatecola AM, Incalzi RA, Bellelli G, Borselli G, Cafariello C, Coin A, Zia G, *et al.* Promoting and building long-term care health research networks: GeroCovid observational and GeroCovid vax initiatives. *Journal of the American Medical Directors Association*. 2023;24(6):926-927.e2. doi:10.1016/j.jamda.2023.01.026.
- Abbruzzese C, Matteoni S, Matarrese P, Signore M, Ascione B, Iessi E, Paggi MG, *et al.* Chlorpromazine affects glioblastoma bioenergetics by interfering with pyruvate kinase M2. *Cell Death and Disease*. 2023;14(12). doi:10.1038/s41419-023-06353-3.
- Acampora A, Angioletti C, D'agostino M, Deroma L, Tullio A, Pagano E, Agabiti N, *et al.* How to optimize Audit&Feedback: experience from the EASY-NET programme. *Epidemiologia e Prevenzione*. 2023;47(6):379-390. doi:10.19191/EP23.6.A664.074.
- Acchioni C, Acchioni M, Mancini F, Amendola A, Marsili G, Tirelli V, Sgarbanti M, *et al.* A cellular screening platform, stably expressing DENV2 NS5, defines a novel anti-DENV mechanism of action of Apigenin based on STAT2 activation. *Virology*. 2023;583:1-13. doi:10.1016/j.virol.2023.03.016.
- Acconcia MC, Caretta Q, Chiarotti F, Tanzilli G, Torromeo C, Pannarale G, Gaudio C. Dual vs. triple antithrombotic treatment after percutaneous coronary intervention in patients with non-valvular atrial fibrillation: a meta-analysis on current evidence. *European Review for Medical and Pharmacological Sciences*. 2023;27(21):10716-10729. doi:10.26355/eurrev_202311_34352.
- Adamiano A, Scialla S, Carella F, Casella M, Camerini S, Quarta A, Piccirillo C, *et al.* Simultaneous extraction of calcium phosphates and proteins from fish bones. Innovative valorisation of food by-products. *Journal of Cleaner Production*. 2023;385. doi:10.1016/j.jclepro.2022.135656.
- Adeyeye OV, Ebubechukwu NV, Olanrewaju OF, Eniayewun AG, Nwuta C, Effiong FB, Unim B. Management and prevention of pre-eclampsia in Nigeria. *Healthcare (Switzerland)*. 2023;11(13). doi:10.3390/healthcare11131832.
- Agabou A, Benaissa MH, Bouasla I, De Sabato L, Hireche S, Ianiro G, Monini M, Di Bartolo I. First serological and molecular investigation of hepatitis E virus infection in dromedary camels in Algeria. *Frontiers in Veterinary Science*. 2023;10. doi:10.3389/fvets.2023.1272250.
- Agrillo B, Porritiello A, Gratio L, Balestrieri M, Proroga YT, Mancusi A, Palmieri G, *et al.* Antimicrobial activity, membrane interaction and structural features of short arginine-rich antimicrobial peptides. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1244325.
- Akinpelumi VK, Kumi KG, Onyena AP, Sam K, Ezejiofor AN, Frazzoli C, Orisakwe OE, *et al.* A comparative study of the impacts of polycyclic aromatic hydrocarbons in water and soils in Nigeria and Ghana: Towards a framework for public health protection. *Journal of Hazardous Materials Advances*. 2023;11. doi:10.1016/j.hazadv.2023.100336.
- Alberto Javarone M, Di Antonio G, Valerio Vinci G, Cristodaro R, Tessone CJ, Pietronero L. Disorder unleashes panic in bitcoin dynamics. *Journal of Physics: Complexity*. 2023;4(4). doi:10.1088/2632-072X/ad00f7.
- Algharably EA, Di Consiglio E, Testai E, Pistollato F, Bal-Price A, Najjar A, Kreutz R, Gundert-Remy U. Prediction of in vivo prenatal chlorpyrifos exposure leading to developmental neurotoxicity in humans based on in vitro toxicity data by quantitative in vitro-in vivo extrapolation. *Frontiers in Pharmacology*. 2023;14. doi:10.3389/fphar.2023.1136174.
- Ali SR, Bryce J, Priego-Zurita AL, Cherenko M, Smythe C, de Rooij TM, Ahmed SF, *et al.* Electronic reporting of rare endocrine conditions within a clinical network: results from the EuRRECa project. *Endocrine Connections*. 2023;12(12). doi:10.1530/EC-23-0434.
- Aloisi F, Giovannoni G, Salvetti M. Epstein-Barr virus as a cause of multiple sclerosis: opportunities for prevention and therapy. *The Lancet Neurology*. 2023;22(4):338-349. doi:10.1016/S1474-4422(22)00471-9.
- Altieri B, La Salvia A, Modica R, Marciello F, Mercier O, Filosso PL, Faggiano A, *et al.* Recurrence-free survival in early and locally advanced large cell neuroendocrine carcinoma of the lung after complete tumor resection. *Journal of Personalized Medicine*. 2023;13(2). doi:10.3390/jpm13020330.
- Amara A, Elmehtli K, Di Bari MA, Pirisinu L, Andolsi R, Gachout S, Vaccari G, *et al.* Characterization of the first case of classical scrapie in a sheep in Tunisia. *Transboundary and Emerging Diseases*. 2023. doi:10.1155/2023/2253316.

- Amatori S, Lopez A, Meneghini C, Calcabrini A, Colone M, Stringaro A, Battocchio C, *et al.* Gold nanorods derivatized with CTAB and hydroquinone or ascorbic acid: spectroscopic investigation of anisotropic nanoparticles of different shapes and sizes. *Nanoscale Advances*. 2023;5(15):3924-3933. doi:10.1039/d3na00356f.
- Amerio A, Stival C, Bosetti C, Carreras G, Fanucchi T, Gorini G, Cirone D, *et al.* Cannabis use in repeated representative cross-sectional studies on Italian adults after the COVID-19 pandemic. *Journal of Psychiatric Research*. 2023;164:382-388. doi:10.1016/j.jpsychires.2023.06.041.
- Ampollini M, Anello P, Balata M, Bortolin E, Chiarelli F, Chiti D, Tomei C, *et al.* Sub-background radiation exposure at the LNGS underground laboratory: dosimetric characterization of the external and underground facilities. *Frontiers in Physics*. 2023;11. doi:10.3389/fphy.2023.1274110.
- Ancidoni A, Lacorte E, Bacigalupo I, Lombardo F, Vanacore N. Italy's actions on dementia. *The Lancet Neurology*. 2023;22(2). doi:10.1016/S1474-4422(22)00521-X.
- Andrade CAS, Mahrouseh N, Gabrani J, Charalampous P, Cuschieri S, Grad DA, Varga O, *et al.* Inequalities in the burden of non-communicable diseases across European countries: a systematic analysis of the Global Burden of Disease 2019 study. *International Journal for Equity in Health*. 2023;22(1). doi:10.1186/s12939-023-01958-8.
- Anniballi F. Lessons from a recent multicountry iatrogenic botulism outbreak. *Eurosurveillance*. 2023;28(23). doi:10.2807/1560-7917.es.2023.28.23.2300280.
- Annunzi E, Cannito L, Bellia F, Mercante F, Vismara M, Benatti B, D'Addario C, *et al.* Mild internet use is associated with epigenetic alterations of key neurotransmission genes in salivary DNA of young university students. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-49492-5.
- Anticoli S, Dorrucchi M, Iessi E, Chiarotti F, Di Prinzio RR, Vinci MR, Tomao P, *et al.* Association between sex hormones and anti-S/RBD antibody responses to COVID-19 vaccines in healthcare workers. *Human Vaccines and Immunotherapeutics*. 2023;19(3). doi:10.1080/21645515.2023.2273697.
- Arcari G, Polani R, Santilli S, Capitani V, Sacco F, Bruno F, Carattoli A, *et al.* Multiplicity of blaKPC genes and pKpQIL plasmid plasticity in the development of ceftazidime-avibactam and meropenem coresistance in *klebsiella pneumoniae* sequence type 307. *Antimicrobial Agents and Chemotherapy*. 2023;67(8). doi:10.1128/aac.00368-23.
- Arciprete F, Verachi P, Martelli F, Valeri M, Balliu M, Guglielmelli P, Zingariello M, *et al.* Inhibition of CXCR1/2 reduces the emperipolesis between neutrophils and megakaryocytes in the Gata1low model of myelofibrosis. *Experimental Hematology*. 2023;121:30-37. doi:10.1016/j.exphem.2023.02.003.
- Arinik N, Van Bortel W, Boudoua B, Busani L, Decoupes R, Interdonato R, Teisseire M, *et al.* An annotated dataset for event-based surveillance of antimicrobial resistance. *Data in Brief*. 2023;46. doi:10.1016/j.dib.2022.108870.
- Armocida B, Monasta L, Sawyer SM, Bustreo F, Onder G, Castelpietra G, *et al.* The burden of type 1 and type 2 diabetes among adolescents and young adults in 24 Western European Countries, 1990–2019: Results from the global burden of disease study 2019. *International Journal of Public Health*. 2023;68. doi:10.3389/ijph.2023.1606491.
- Arsini L, Caccia B, Ciardiello A, Giagu S, Mancini Terracciano C. Nearest neighbours graph variational AutoEncoder. *Algorithms*. 2023;16(3). doi:10.3390/a16030143.
- Asaro RJ, Profumo E, Buttari B, Cabrales P. The double-edged sword of erythrocytes in health and disease via their adhesiveness. *International Journal of Molecular Sciences*. 2023;24(12). doi:10.3390/ijms241210382.
- Ates I, Yılmaz AD, Buttari B, Arese M, Saso L, Suzen S. A review of the potential of nuclear factor [erythroid-derived 2]-like 2 activation in autoimmune diseases. *Brain Sciences*. 2023;13(11). doi:10.3390/brainsci13111532.
- Aureli A, Del Cornò M, Marziani B, Gessani S, Conti L. Highlights on the role of galectin-3 in colorectal cancer and the preventive/therapeutic potential of food-derived inhibitors. *Cancers*. 2023;15(1). doi:10.3390/cancers15010052.
- Aurigemma C, Massucci M, Fraccaro C, Adamo M, D'Errigo P, Rosato S, Tarantini G, *et al.* Impact of chronic coronary artery disease and revascularization strategy in patients with severe aortic stenosis who underwent transcatheter aortic valve implantation. *American Journal of Cardiology*. 2023;206:14-22. doi:10.1016/j.amjcard.2023.08.045.
- Aurigemma C, Trani C, D'Errigo P, Barbanti M, Biancari F, Tarantini G, Rosato S, *et al.* Impact of vascular complications after transcatheter aortic valve implantation. VASC-OBSERVANT II sub-study. *Catheterization and Cardiovascular Interventions*. 2023;102(2):381-391. doi:10.1002/ccd.30695.
- Autio S, Koëter H, Carretero M, Hardy A, Mantovani A. Assessing assessors: Proposal for a guidance for evaluating the scientific performance of a pesticide regulatory authority. *European Journal of Risk Regulation*. 2023;14(1):178-190. doi:10.1017/err.2021.11.

- Azzopardi PS, Kerr JA, Francis KL, Sawyer SM, Kennedy EC, Steer AC, *et al.* The unfinished agenda of communicable diseases among children and adolescents before the COVID-19 pandemic, 1990–2019: A systematic analysis of the global burden of disease study 2019. *The Lancet*. 2023;402(10398):313-335. doi:10.1016/S0140-6736(23)00860-7.
- Baggieri M, Gioacchini S, Borgonovo G, Catinella G, Marchi A, Picone P, Magurano F, *et al.* Antiviral, virucidal and antioxidant properties of *Artemisia annua* against SARS-CoV-2. *Biomedicine and Pharmacotherapy*. 2023;168. doi:10.1016/j.biopha.2023.115682.
- Baglivo F, De Angelis L, Casigliani V, Arzilli G, Privitera GP, Rizzo C. Exploring the possible use of AI chatbots in public health education: Feasibility study. *JMIR Medical Education*. 2023;9. doi:10.2196/51421.
- Bagordo F, Grassi T, Savio M, Rota MC, Baldovin T, Vicentini C, Gabutti G, *et al.* Assessment of pertussis underreporting in Italy. *Journal of Clinical Medicine*. 2023;12(5). doi:10.3390/jcm12051732.
- Baiardi S, Mammana A, Dellavalle S, Rossi M, Redaelli V, Colaizzo E, Parchi P, *et al.* Defining the phenotypic spectrum of sporadic Creutzfeldt-Jakob disease MV2K: The kuru plaque type. *Brain*. 2023;146(8):3289-3300. doi:10.1093/brain/awad074.
- Balboni E, Filippini T, Rothman KJ, Costanzini S, Bellino S, Pezzotti P, Vinceti M, *et al.* The influence of meteorological factors on COVID-19 spread in Italy during the first and second wave. *Environmental Research*. 2023;228. doi: 10.1016/j.envres.2023.115796.
- Balestrieri M, Carnovale-Scalzo C, Garbuglia AR, Chiantore MV, Accardi L, Di Bonito P. Conventional therapy for genital herpesvirus and remission of HPV-related lesions: a case series. *Infectious Agents and Cancer*. 2023;18(1). doi:10.1186/s13027-023-00511-0.
- Bandino E, Gomez-Morales MA, Brundu D, Soddu M, Ludovisi A, Cabras PA, Pozio E, *et al.* The illegal rearing and slaughtering of pigs in the wild on the Mediterranean island of Sardinia favor an increase in the biomass of trichinella britovi in wild boars (sus scrofa) but do not affect the serological prevalence of infection. *Parasites and Vectors*. 2023;16(1). doi:10.1186/s13071-023-05927-6.
- Barchitta M, Maugeri A, Favara G, Lio RMS, La Rosa MC, D'Ancona F, Vinci VM, *et al.* The intertwining of healthcare-associated infections and COVID-19 in Italian intensive care units: an analysis of the SPIN-UTI project from 2006 to 2021. *Journal of Hospital Infection*. 2023;140:124-131. doi:10.1016/j.jhin.2023.07.021.
- Barola C, Bualetti E, Moretti S, Buiarelli F, Simonetti G, Lucarelli F, Galarini R, *et al.* Untargeted screening of Per- and Polyfluoroalkyl Substances (PFASs) in airborne particulate of three Italian e-waste recycling facilities. *Separations*. 2023;10(11). doi:10.3390/separations10110547.
- Baroncelli S, Galluzzo CM, Orlando S, Luhanga R, Mphwere R, Kavalo T, Giuliano M, *et al.* Insufficient measles antibody protection in 6-month-old Malawian infants: Reconsider vaccination schedule? *Tropical Medicine and International Health*. 2023;28(9):731-735. doi:10.1111/tmi.13920.
- Baroncelli S, Galluzzo CM, Orlando S, Pirillo MF, Luhanga R, Mphwere R, Giuliano M, *et al.* Rates of Seroprotection against vaccine-preventable infectious diseases in HIV-exposed and -unexposed Malawian infants. *Pathogens*. 2023;12(7). doi:10.3390/pathogens12070938.
- Barreca V, Boussadia Z, Polignano D, Galli L, Tirelli V, Sanchez M, Fiani ML, *et al.* Metabolic labelling of a subpopulation of small extracellular vesicles using a fluorescent palmitic acid analogue. *Journal of Extracellular Vesicles*. 2023;12(12). doi:10.1002/jev2.12392.
- Bartolo E, Giacomozzi C, Coppini DV, Gatt A. The pressure time integral: An underused, clinically significant parameter as a determinant of neuropathic ulceration in diabetes. *Gait and Posture*. 2023;100:210-215. doi:10.1016/j.gaitpost.2022.12.018.
- Bauer EM, Talone A, Imperatori P, Briancesco R, Bonadonna L, Carbone M. The addition of Co into CuO–ZnO oxides triggers high antibacterial activity and low cytotoxicity. *Nanomaterials*. 2023;13(21). doi:10.3390/nano13212823.
- Bauleo L, Fabri A, De Santis M, Soggiu ME, Ancona C. SENTIERI Project: air pollution and health impact of population living in industrial areas in Italy. *Epidemiologia e Prevenzione*. 2023;47(1-2):338-353. doi:10.19191/EP23.1-2-S1.007.
- Bazzani L, Imperia E, Scarpa F, Sanna D, Casu M, Borsetti A, Ciccozzi M, *et al.* SARS-CoV CH.1.1 Variant: genomic and structural insight. *Infectious Disease Reports*. 2023;15(3):292-298. doi:10.3390/idr15030029.
- Bedetti L, Miselli F, Minotti C, Latorre G, Loprieno S, Foglianese A, Berardi A, *et al.* Lumbar puncture and meningitis in infants with proven early- or late-onset sepsis: An Italian prospective multicenter observational study. *Microorganisms*. 2023;11(6). doi:10.3390/microorganisms11061546.

- Beikpour F, Borghi M, Scoccia E, Vicenza T, Valiani A, Pasquale SD, Farneti S, *et al.* High prevalence and genetic heterogeneity of genotype 3 hepatitis E virus in wild boar in Umbria, Central Italy. *Transboundary and Emerging Diseases*. 2023;2023. doi:10.1155/2023/3126419.
- Beikpour F, Pellegrini F, Lanave G, Camero M, Catella C, Di Martino B, Suffredini E, *et al.* Exploring the astrovirus of shellfish matrices using nanopore sequencing. *Veterinary Sciences*. 2023;10(3). doi:10.3390/vetsci10030175.
- Bellino S, La Salvia A, Cometa MF, Botta R. Cell-based medicinal products approved in the European Union: Current evidence and perspectives. *Frontiers in Pharmacology*. 2023;14. doi:10.3389/fphar.2023.1200808.
- Berardi A, Trevisani V, Di Caprio A, Caccamo P, Latorre G, Loprieno S, Lugli L, *et al.* Timing of symptoms of early-onset sepsis after intrapartum antibiotic prophylaxis: Can it inform the neonatal management? *Pathogens*. 2023;12(4). doi:10.3390/pathogens12040588.
- Berardinelli D, Tini A, Montanari E, Berretta P, Di Trana A. Liquid chromatography in forensic toxicology. *Liquid Chromatography: Applications*. 2023:913-941. doi:10.1016/B978-0-323-99969-4.00010-3.
- Berardini M, Gesualdi L, Morabito C, Ferranti F, Reale A, Zampieri M, Ricci G, *et al.* Simulated microgravity exposure induces antioxidant barrier deregulation and mitochondria enlargement in TCam-2 cell spheroids. *Cells*. 2023;12(16). doi:10.3390/cells12162106.
- Bernardo A, Visentin S. Demyelinating diseases: From molecular mechanisms to therapeutic strategies. *International Journal of Molecular Sciences*. 2023;24(5). doi:10.3390/ijms24054596.
- Bertani G, Di Tinco R, Bertoni L, Orlandi G, Pisciotta A, Rosa R, Carnevale G, *et al.* Flow-dependent shear stress affects the biological properties of pericyte-like cells isolated from human dental pulp. *Stem Cell Research and Therapy*. 2023;14(1). doi:10.1186/s13287-023-03254-2.
- Bhat DS, Malacaria E, Di Biagi L, Razzaghi M, Honda M, Hobbs KF, Spies M, *et al.* Therapeutic disruption of RAD52–ssDNA complexation via novel drug-like inhibitors. *NAR Cancer*. 2023;5(2). doi:10.1093/narcan/zcad018.
- Biancari F, Demal T, Nappi F, Onorati F, Francica A, Peterss S, Gatti G, *et al.* Baseline risk factors of in-hospital mortality after surgery for acute type A aortic dissection: an ERTAAD study. *Frontiers in Cardiovascular Medicine*. 2023;10. doi:10.3389/fcvm.2023.1307935.
- Bianchi D, Schinelli A, Fatta LM, Lonigro A, Lucidi F, Laghi F. Body image impact on quality of life and adolescents' binge eating: the indirect role of body image coping strategies. *Eating and Weight Disorders*. 2023;28(1). doi:10.1007/s40519-023-01607-7.
- Biffi A, Porcu G, Castellini G, Napoletano A, Coclite D, D'Angelo D, Cammarano RR, *et al.* Systemic hemostatic agents initiated in trauma patients in the pre-hospital setting: A systematic review. *European Journal of Trauma and Emergency Surgery*. 2023;49(3):1259-1270. doi:10.1007/s00068-022-02185-6.
- Biffignandi GB, Vola A, Sassera D, Najafi-Fard S, Morales MAG, Brunetti E, Tamarozzi F, *et al.* Antigen discovery by bioinformatics analysis and peptide microarray for the diagnosis of cystic echinococcosis. *PLoS Neglected Tropical Diseases*. 2023;17(4). doi:10.1371/journal.pntd.0011210.
- Binelli L, Dini V, Amatori S, Scotognella T, Giordano A, De Berardis B, Venditti I, *et al.* Gold nanorods as radiopharmaceutical carriers: Preparation and preliminary radiobiological in vitro tests. *Nanomaterials*. 2023;13(13). doi:10.3390/nano13131898.
- Biolatti M, Blangetti M, Baggieri M, Marchi A, Gioacchini S, Bajetto G, Dell'Oste V, *et al.* Strigolactones as broad-spectrum antivirals against β -Coronaviruses through targeting the main protease Mpro. *ACS Infectious Diseases*. 2023;9(7):1310-1318. doi:10.1021/acsinfecdis.3c00219.
- Bisconti M, De Palma A, Pacifici R, Rotolo MC, Pichini S, Brascia D, Marulli G, *et al.* Spontaneous pneumothorax secondary to bullous lung emphysema positive for cannabinoids upon toxicological examination. *Journal of Clinical Medicine*. 2023;12(15). doi:10.3390/jcm12154956.
- Bizzaro D, Becchetti C, Trapani S, Lavezzo B, Zanetto A, D'Arcangelo F, Burra P, *et al.* Influence of sex in alcohol-related liver disease: Pre-clinical and clinical settings. *United European Gastroenterology Journal*. 2023;11(2):218-227. doi:10.1002/ueg2.12370.
- Bizzarri F, Giuliani A, Mocenni C. Decision Making in Networks: A model of awareness raising. *Information (Switzerland)*. 2023;14(2). doi:10.3390/info14020072.
- Bizzoca D, Brunetti G, Moretti L, Piazzolla A, Vicenti G, Moretti FL, Solarino G, Moretti B. Polydeoxyribonucleotide in the treatment of tendon disorders, from basic science to clinical practice: A systematic review. *International Journal of Molecular Sciences*. 2023;24(5). doi:10.3390/ijms24054582.

- Blandino F, Malacaria E, Figlioli C, Noto A, Pugliese GM, Franchitto A, Pichierri P. Phosphorylation status of MUS81 is a modifier of olaparib sensitivity in BRCA2-deficient cells. *Nucleic Acids Research*. 2023;51(13):6723-6737. doi:10.1093/nar/gkad470.
- Bocca B, Battistini B, Leso V, Fontana L, Caimi S, Fedele M, Iavicoli I. Occupational exposure to metal engineered nanoparticles: A human biomonitoring pilot study involving Italian nanomaterial workers. *Toxics*. 2023;11(2). doi:10.3390/toxics11020120.
- Bocca B, Caimi S, Failla CM, Dellambra E, Lulli D, Carbone ML, Battistini B, *et al*. A SP-ICP-MS protocol for the detection of metal nanoparticles composition and size in tattooed ex vivo human skin explants. *Journal of Physics: Conference Series*. 2023;2579(1). doi:10.1088/1742-6596/2579/1/012008.
- Bocca B, Leso V, Battistini B, Caimi S, Senofonte M, Fedele M, Iavicoli I, *et al*. Human biomonitoring and personal air monitoring. An integrated approach to assess exposure of stainless-steel welders to metal-oxide nanoparticles. *Environmental Research*. 2023;216. doi:10.1016/j.envres.2022.114736.
- Boccolini D, Della Torre A, Balatsos G, Konstantos G, Petrić D, Schaffner F, Michaelakis A. Occurrence of *Anopheles algeriensis* in Attica region, Greece: identification of a breeding habitat. *Journal of the European Mosquito Control Association*. 2023;41(2):79-86. doi:10.52004/JEMCA2023.0002.
- Bonomi CG, Assogna M, Di Donna MG, Bernocchi F, De Lucia V, Nuccetelli M, Motta C, *et al*. Cerebrospinal fluid sTREM-2, GFAP, and β -S100 in symptomatic sporadic Alzheimer's disease: Microglial, astrocytic, and APOE contributions along the Alzheimer's disease continuum. *Journal of Alzheimer's Disease*. 2023;92(4):1385-1397. doi:10.3233/JAD-221010.
- Boone I, D'Errico ML, Iannetti L, Scavia G, Tozzoli R, Ethelberg S, Haller S, *et al*. Catering of high-risk foods and potential of stored food menu data for timely outbreak investigations in healthcare facilities, Italy and Germany. *Epidemiology and Infection*. 2023;151. doi:10.1017/S0950268823000468.
- Borghi M, Gallinaro A, Pirillo MF, Canitano A, Michelini Z, De Angelis ML, Cara A, *et al*. Different configurations of SARS-CoV-2 spike protein delivered by integrase-defective lentiviral vectors induce persistent functional immune responses, characterized by distinct immunogenicity profiles. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1147953.
- Borgi M, Collacchi B, Cirulli F, Medda E. Reduction in the use of green spaces during the COVID-19 pandemic and its impact on mental health. *Health and Place*. 2023;83. doi:10.1016/j.healthplace.2023.103093.
- Borioni A, Mammone FR, Risoluti R, Panusa A, Pierini M, Cirilli R. Insight into the photolytic degradation products of Rosuvastatin: Full chiral and structural elucidation and conversion kinetics by a combined chromatographic, spectroscopic and theoretical approach. *Journal of Pharmaceutical and Biomedical Analysis*. 2023;236. doi:10.1016/j.jpba.2023.115636.
- Borrea A, De Luca M, Ferrante A, Boussadia Z, Pignataro A, Martire A, Ammassari-Teule M. Fmr1-KO mice failure to detect object novelty associates with a post-test decrease of structural and synaptic plasticity upstream of the hippocampus. *Scientific Reports*. 2023;13(1). doi: 10.1038/s41598-023-27991-9.
- Bortolin E, Boniglia C, Campaniello M, Chiappinelli A, Foti M, Iammarino M, Tomaiuolo M, *et al*. Photo-stimulated luminescence approach for effective identification of irradiated fruit. *Applied Sciences (Switzerland)*. 2023;13(9). doi:10.3390/app13095767.
- Bouelet Ntsama IS, Frazzoli C, Pouokam GB, Colizzi V. Occurrence and dietary risk assessment of mycotoxins in most consumed foods in Cameroon: Exploring current data to understand futures challenges. *Foods*. 2023;12(8). doi:10.3390/foods12081713.
- Bozzuto G, Colone M, Toccaceli L, Molinari A, Calcabrini A, Stringaro A. Interaction of drug-sensitive and -resistant human melanoma cells with HUVEC Cells: A label-free cell-based impedance study. *Biomedicines*. 2023;11(6). doi:10.3390/biomedicines11061544.
- Brambilla M, Bisaglia C, Mancini P, Veneri C, Ferraro GB, Iaconelli M, Suffredini E, La Rosa G. Pig Farming in the Abruzzo region and Hepatitis E virus detection in swine slurries. *Lecture Notes in Civil Engineering*. 2023;337:393-400. doi:10.1007/978-3-031-30329-6_40.
- Brancaccio G, Coco B, Nardi A, Quaranta MG, Tosti ME, Ferrigno L, Aghemo A, *et al*. Trends in chronic hepatitis B virus infection in Italy over a 10-year period: Clues from the nationwide PITER and MASTER cohorts toward elimination. *International Journal of Infectious Diseases*. 2023;129:266-273. doi:10.1016/j.ijid.2023.02.006.
- Brancaleone E, Mattei D, Fuscoletti V, Lucentini L, Favero G, Frugis A, Gioia V, Lazzazzara M. Microplastic in drinking water: A pilot study. *Springer Water*. 2023;1637:165-172. doi:10.1007/978-3-031-34455-8_23.

- Branchi I. A mathematical formula of plasticity: Measuring susceptibility to change in mental health and data science. *Neuroscience and Biobehavioral Reviews*. 2023;152. doi:10.1016/j.neubiorev.2023.105272.
- Brando S, Vitale A, Bacon M. Promoting good nonhuman primate welfare outside regular working hours. *Animals*. 2023;13(8). doi:10.3390/ani13081423.
- Brera C, De Santis C, Marzona S, Gregori E, Prisco SS, Monti M, Chilosi G, Pantanali A. Exposure assessment to deoxynivalenol of children over 3 years deriving from the consumption of processed wheat-based products produced from a dedicated flour. *Toxins*. 2023;15(10). doi:10.3390/toxins15100615.
- Briancesco R, Paduano S, Paradiso R, Semproni M, Bonadonna L. Survival of different microbial strains in pure and diluted tattoo inks. *Letters in Applied Microbiology*. 2023;76(7). doi:10.1093/lambio/ovad078.
- Broger T, Koepfel L, Huerga H, Miller P, Gupta-Wright A, Blanc F-X, Fielding K, *et al.* Diagnostic yield of urine lipoarabinomannan and sputum tuberculosis tests in people living with HIV: a systematic review and meta-analysis of individual participant data. *The Lancet Global Health*. 2023;11(6):e903-e916. doi:10.1016/S2214-109X(23)00135-3.
- Bruno C, Di Stefano R, Ricceri V, La Rosa M, Cernigliaro A, Ciranni P, Scondotto S, *et al.* Fluoro-edenite non-neoplastic diseases in Biancavilla (Sicily, Italy): pleural plaques and/or pneumoconiosis? *Ann Ist Super Sanita*. 2023;59(3):187-193. doi:10.4415/ANN_23_03_03.
- Bruno M, Messineo V. Extraction and quantification of BMAA from fish tissue. *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin*. 2023:181-188. doi:10.1007/978-981-99-4514-6_26.
- Bruno M, Messineo V. Extraction and quantification of BMAA from water samples. *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin*. 2023:173-180. doi:10.1007/978-981-99-4514-6_25.
- Bruno M, Messineo V. Extraction and quantification of cylindrospermopsins from aquatic samples by ELISA. *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin*. 2023:315-324. doi:10.1007/978-981-99-4514-6_43.
- Bruno M, Messineo V, Marco Pisciotto ID, Gallo P. Extraction of cyanotoxins by filtration and other methods from biological materials (animal tissue: fish and mussels). *Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin*. 2023:295-302. doi:10.1007/978-981-99-4514-6_40.
- Bruno MR, Cannizzaro A, Olori A, Tombolini F, Angelosanto F, Sinopoli F, Campopiano A, *et al.* Size characteristics of asbestiform fibers in lung tissue of animals that grazed in areas rich in ophiolitic outcrops in Central Calabria (Southern Italy). *Science of the Total Environment*. 2023;856. doi:10.1016/j.scitotenv.2022.159061.
- Bruno R, Riccardi G, Iacobone F, Chiarotti F, Pirisinu L, Vanni I, Di Bari MA, *et al.* Strain-dependent morphology of reactive astrocytes in human- and animal-vole-adapted prions. *Biomolecules*. 2023;13(5). doi:10.3390/biom13050757.
- Bruno SM, Blaonà G, Lo Cicero S, Castelli G, Virgulti M, Testino G, Lucarelli M, *et al.* Quantitative Evaluation of CFTR gene expression: A comparison between relative quantification by real-time PCR and absolute quantification by droplet digital PCR. *Genes*. 2023;14(9). doi:10.3390/genes14091781.
- Bruschi F, Dupouy-Camet J, Boussinesq M, Pozio E. Comments on 'A case report of Trichinella spiralis pericarditis: an unusual cause of pericardial effusion and cardiac tamponade in an immunocompetent urban black African'. *European Heart Journal - Case Reports*. 2023;7(5). doi:10.1093/ehjcr/ytad179.
- Bucalo A, Conti G, Valentini V, Capalbo C, Bruselles A, Tartaglia M, Ottini L, *et al.* Male breast cancer risk associated with pathogenic variants in genes other than BRCA1/2: an Italian case-control study. *European Journal of Cancer*. 2023;188:183-191. doi:10.1016/j.ejca.2023.04.022.
- Buccarelli M, Beninati S, Tabolacci C. Editorial: Cancer stem cell differentiation: A realistic potential therapeutic option? *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1188765.
- Bucciardini R, Zetterquist P, Rotko T, Putatti V, Mattioli B, De Castro P, Costa G, *et al.* Addressing health inequalities in Europe: key messages from the Joint Action Health Equity Europe (JAHEE). *Archives of Public Health*. 2023;81(1). doi:10.1186/s13690-023-01086-3.
- Buonsenso F, Colombo M, Marchesi A, Mammone FR, Sannicolò F, Cirilli R, Pierini M. Evaluation of the stereochemical lability of benzo-cycloheptene-based drugs endowed with potentially modulable planar chirality. *European Journal of Organic Chemistry*. 2023;26(33). doi:10.1002/ejoc.202300568.
- Busardò FP, Pichini S, Kintz P. GHB-facilitated sexual assaults: How to properly assess a single GHB exposure in hair. *Drug Testing and Analysis*. 2023;15(7):796-797. doi:10.1002/dta.3475.

- Buttò S, Longhi EV. HIV. *Managing Psychosexual Consequences in Chronic Diseases*. 2023;447-467. doi:10.1007/978-3-031-31307-3_36.
- Cabé CM, Novault S, Choi AJ, Seffer V, Cano LB, Libri V, Hasan M. High-quality brain and bone marrow nuclei preparation for single nuclei multiome assays. *Journal of Visualized Experiments*. 2023;2023(202). doi:10.3791/65715.
- Cafaro A, Pigliasco F, Barco S, Riva A, Striano P, Manfredini L, Cangemi G, *et al*. Therapeutic drug monitoring of medical cannabis in pediatrics: The experience of Giannina Gaslini Institute. *Biochimica Clinica*. 2023;47(3):271-276. doi:10.19186/BC_2023.038.
- Caggianelli G, Sferrazza S, Pampoorickal K, Accettone R, Di Nitto M, Ivziku D, Fiorini J, D'Angelo D. Effectiveness of transitional care interventions in patients with serious illness and their caregivers: A systematic review protocol. *JBIE Evidence Synthesis*. 2023;21(4):762-768. doi:10.11124/JBIES-22-00119.
- Caloni F, De Angelis I, Gribaldo L, Heinonen T, Kandarova H, Kral V, Hartung T, *et al*. Women in alternatives. *ALTEX*. 2023;40(3):545-548. doi:10.14573/altex.2303211.
- Camandona F, Vaccari L, Travan L, Maso G, Stampalija T, Zanazzo L, Pichini S, *et al*. Reduced prevalence of fetal exposure to alcohol in Italy: a nationwide survey. *American Journal of Obstetrics and Gynecology MFM*. 2023;5(6). doi:10.1016/j.ajogmf.2023.100944.
- Camia M, Scorza M, Lipparini A, Martorana L, Nardocci F, Padovani R, Rubichi S, Benassi E. Psychological health of mothers and siblings of children with autism spectrum disorder during COVID-19 pandemic: New evidence in Italian families. *Acta Biomedica*. 2023;94(5). doi:10.23750/abm.v94i5.14522.
- Caminada S, Carrani FM, Simonelli M, Crateri S, Musyoka JM, Muga R, Tosti ME, *et al*. Knowledge, attitudes and practices regarding HIV/AIDS and STIs among youths and key populations in informal settlements of Nairobi, Kenya. *Ann Ist Super Sanita*. 2023;59(1):80-92. doi:10.4415/ANN_23_01_12.
- Caminada S, Mele A, Ferrigno L, Alfonsi V, Crateri S, Iantosca G, Sabato M, Tosti ME. Risk of parenterally transmitted hepatitis following exposure to invasive procedures in Italy: SEIEVA surveillance 2000-2021. *Journal of Hepatology*. 2023;79(1):61-68. doi:10.1016/j.jhep.2023.03.002.
- Camoni L, Gigantesco A, Guzzini G, Pellegrini E, Mirabella F. Epidemiology of perinatal depression in Italy: systematic review and meta-analysis. *Ann Ist Super Sanita*. 2023;59(2):139-148. doi:10.4415/ANN_23_02_07.
- Camoni L, Tosti ME, Pezzullo AM, Marchetti M, Cadeddu C. Clinical and organizational impact of the use of different cardiac troponin assays for the diagnosis of myocardial infarction without persistent elevation of the ST segment at presentation (NSTEMI) in 12 Italian emergency departments (EDs): the TROCAR study. *Internal and Emergency Medicine*. 2023;18(3):733-741. doi:10.1007/s11739-022-03169-5.
- Campa A, Gupta S. Relaxation dynamics in a long-range system with mixed Hamiltonian and non-Hamiltonian interactions. *Journal of Statistical Physics*. 2023;190(1). doi:10.1007/s10955-022-03033-y.
- Campa A, Gupta S. Synchronization in a system of Kuramoto oscillators with distributed Gaussian noise. *Physical Review E*. 2023;108(6). doi:10.1103/PhysRevE.108.064124.
- Cancelliere R, Micheli L, Suffredini E, Bellucci S, Betta G, Ferrigno L, Maffucci A, Miele G. Coronavirus label-free immunosensor: Preliminary results. *Lecture Notes in Electrical Engineering*. 2023;999:16-21. doi:10.1007/978-3-031-25706-3_3.
- Candelise N, Santilli F, Fabrizi J, Caissutti D, Spinello Z, Moliterni C, Misasi R, *et al*. The importance of stem cells isolated from human dental pulp and exfoliated deciduous teeth as therapeutic approach in nervous system pathologies. *Cells*. 2023;12(13). doi:10.3390/cells12131686.
- Candini V, Brescianini S, Chiarotti F, Zarbo C, Zamparini M, Caserotti M, de Girolamo G, *et al*. Conspiracy mentality and health-related behaviour during the COVID-19 pandemic: a multiwave survey in Italy. *Public Health*. 2023;214:124-132. doi:10.1016/j.puhe.2022.11.005.
- Cannas A, Campanale A, Minella D, Messina F, Butera O, Nisii C, Sabbatucci M, *et al*. Epidemiological and molecular investigation of the Heater-Cooler Unit (HCU)-related outbreak of invasive mycobacterium chimaera infection occurred in Italy. *Microorganisms*. 2023;11(9). doi:10.3390/microorganisms11092251.
- Canosa A, Martino A, Giuliani A, Moglia C, Vasta R, Grassano M, Chiò A, *et al*. Brain metabolic differences between pure bulbar and pure spinal ALS: a 2-[18F]FDG-PET study. *Journal of Neurology*. 2023;270(2):953-959. doi:10.1007/s00415-022-11445-9.

- Canosa A, Martino A, Manera U, Vasta R, Grassano M, Palumbo F, Pagani M, *et al.* Role of brain 2-[18F]fluoro-2-deoxy-D-glucose-positron-emission tomography as survival predictor in amyotrophic lateral sclerosis. *European Journal of Nuclear Medicine and Molecular Imaging*. 2023;50(3):784-791. doi:10.1007/s00259-022-05987-3.
- Capone F, Morrow D, Moretti F. Ensuring efficient development of personalized medicine by addressing regulatory needs: What role can research infrastructures play? *International Journal of Biological Markers*. 2023;38(2):77-80. doi:10.1177/03936155231179981.
- Caprari P, Profumo E, Massimi S, Buttari B, Riganò R, Regine V, Sorrentino F, *et al.* Hemorheological profiles and chronic inflammation markers in transfusion-dependent and non-transfusion-dependent thalassemia. *Frontiers in Molecular Biosciences*. 2023;9. doi:10.3389/fmolb.2022.1108896.
- Carannante A, Vacca P, Fontana S, Dal Conte I, Ghisetti V, Cusini M, Stefanelli P, *et al.* Seven years of culture collection of *Neisseria gonorrhoeae*: Antimicrobial resistance and molecular epidemiology. *Microbial Drug Resistance*. 2023;29(3):85-95. doi:10.1089/mdr.2021.0483.
- Cardamone E, Di Benedetto R, Lorenzoni G, Gallipoli S, Ghidina M, Zobec F, Silano M, *et al.* Adherence to Mediterranean diet in Italy (ARIANNA) cross-sectional survey: study protocol. *BMJ Open*. 2023;13(3). doi:10.1136/bmjopen-2022-067534.
- Carere M, Lacchetti I, di Domenico K, Cristiano W, Mancini L, De Felip E, Tancioni L, *et al.* Fish-kills in the urban stretch of the Tiber River after a flash-storm: Investigative monitoring with effect-based methods, targeted chemical analyses, and fish assemblage examinations. *Water, Air, and Soil Pollution*. 2023;234(3). doi:10.1007/s11270-023-06102-4.
- Carmassi C, Sampogna G, Di Vincenzo M, Cipolla S, Toni C, Albert U, Fiorillo A, *et al.* Acute stress symptoms in general population during the first wave of COVID lockdown in Italy: Results from the COMET trial. *Brain and Behavior*. 2023;13(12). doi:10.1002/brb3.3314.
- Carpentieri V, Cugno S, Lockic K, Pascale E, Adriani W. DAT1 5'-untranslated-region methylation patterns as biomarkers of ADHD psycho-pathology: Contribution to disease prognosis and to monitoring of a successful therapy. *Biomedicine*. 2023;11(9). doi:10.3390/biomedicine11092546.
- Carpentieri V, Lambacher G, Troianiello M, Pucci M, Di Pietro D, Laviola G, Adriani W, *et al.* Methylation dynamics on 5'-UTR of DAT1 gene as a bio-marker to recognize therapy success in ADHD children. *Children*. 2023;10(3). doi:10.3390/children10030584.
- Carreras G, Monti F, Lugo A, Gallus S, Stival C, Molinaro S, Gorini G, *et al.* Smoking intensity changes during the COVID-19 pandemic waves in a cohort of smokers in Italy. *Ann Ist Super Sanita*. 2023;59(3):219-222. doi:10.4415/ANN_23_03_08.
- Caruba MO, Ragni M, Ruocco C, Aliverti S, Silano M, Amico A, Nisoli E, *et al.* Role of portion size in the context of a healthy, balanced diet: A case study of European Countries. *International Journal of Environmental Research and Public Health*. 2023;20(6). doi:10.3390/ijerph20065230.
- Cascini S, Canevelli M, Agabiti N, Angelici L, Davoli M, Bacigalupo I, Visco C, *et al.* Case Identification and characterization of migrants with dementia in the Lazio Region using health administrative data. *Journal of Alzheimer's Disease*. 2023;92(3):843-852. doi:10.3233/JAD-221146.
- Castellani G, Buccarelli M, Arasi MB, Rossi S, Pisanu ME, Bellenghi M, Lintas C, Tabolacci C. BRAF Mutations in melanoma: Biological aspects, therapeutic implications, and circulating biomarkers. *Cancers*. 2023;15(16). doi:10.3390/cancers15164026.
- Castelli G, Logozzi M, Mizzoni D, Di Raimo R, Cerio A, Dolo V, Pelosi E, *et al.* Ex vivo anti-leukemic effect of exosome-like grapefruit-derived nanovesicles from organic farming—The potential role of ascorbic acid. *International Journal of Molecular Sciences*. 2023;24(21). doi:10.3390/ijms242115663.
- Caston RA, Fortini P, Chen K, Bauer J, Dogliotti E, Yin YW, Demple B. Maintenance of flap endonucleases for long-patch base excision DNA repair in mouse muscle and neuronal cells differentiated in vitro. *International Journal of Molecular Sciences*. 2023;24(16). doi:10.3390/ijms241612715.
- Casulli A, Abela-Ridder B, Petrone D, Fabiani M, Bobić B, Carmena D, Santolamazza F, *et al.* Unveiling the incidences and trends of the neglected zoonosis cystic echinococcosis in Europe: a systematic review from the MEmE project. *The Lancet Infectious Diseases*. 2023;23(3):e95-e107. doi:10.1016/S1473-3099(22)00638-7.
- Casulli A, Antinori S, Bartoloni A, D'Amelio S, Gabrielli AF, Gazzoli G, Rinaldi L, Bruschi F. Neglected tropical diseases in Italy: Introducing IN-NTD, the Italian network for NTDs. *Parasitology*. 2023;150(12):1082-1088. doi:10.1017/S0031182023000422.

- Casulli A, Pane S, Randi F, Scaramozzino P, Carvelli A, Marras CE, Putignani L, *et al.* Primary cerebral cystic echinococcosis in a child from Roman countryside: Source attribution and scoping review of cases from the literature. *PLoS Neglected Tropical Diseases*. 2023;17(9). doi:10.1371/journal.pntd.0011612.
- Catalano G, Zaza A, Banella C, Pelosi E, Castelli G, de Marinis E, Noguera NI, *et al.* MCL1 regulates AML cells metabolism via direct interaction with HK2. Metabolic signature at onset predicts overall survival in AMLs' patients. *Leukemia*. 2023;37(8):1600-1610. doi:10.1038/s41375-023-01946-5.
- Cataldo C, Bellenghi M, Masella R, Busani L. One Health challenges and actions: Integration of gender considerations to reduce risks at the human-animal-environmental interface. *One Health*. 2023;16. doi:10.1016/j.onehlt.2023.100530.
- Cataldo C, Masella R, Busani L. Gender gap reduction and the one health benefits. *One Health*. 2023;16. doi:10.1016/j.onehlt.2023.100496.
- Catelan D, Biggeri A, Bucchi L, Manno V, Pappagallo M, Stoppa G, Minelli G, *et al.* Epidemiologic transition of lung cancer mortality in Italy by sex, province of residence and birth cohort (1920-1929 to 1960-1969). *International Journal of Cancer*. 2023;153(10):1746-1757. doi:10.1002/ijc.34657.
- Cattaneo C, Urakcheeva I, Giacomini G, Stazi MA, Lana S, Arnofi A, Salemi M, Toccaceli V. Attitude and concerns of healthy individuals regarding post-mortem brain donation. A qualitative study on a nation-wide sample in Italy. *BMC Medical Ethics*. 2023;24(1). doi:10.1186/s12910-023-00980-3.
- Cattani A, Galluzzi A, Fecchio M, Pigorini A, Mattia M, Massimini M. Adaptation Shapes Local Cortical Reactivity: From Bifurcation Diagram and Simulations to Human Physiological and Pathological Responses. *eNeuro*. 2023;10(7). doi:10.1523/ENEURO.0435-22.2023.
- Cauteruccio S, Pelliccioli V, Grecchi S, Cirilli R, Licandro E, Arnaboldi S. Bipolar electrochemical analysis of chirality in complex media through miniaturized stereoselective light-emitting systems. *Chemosensors*. 2023;11(2). doi:10.3390/chemosensors11020131.
- Ceccarelli E, Minelli G, Egidi V, Jona Lasinio G. Assessment of excess mortality in Italy in 2020–2021 as a function of selected macro-factors. *International Journal of Environmental Research and Public Health*. 2023;20(4). doi:10.3390/ijerph20042812.
- Cella E, Giovanetti M, Benedetti F, Scarpa F, Johnston C, Borsetti A, Ciccozzi M, *et al.* Joining forces against antibiotic resistance: The One Health solution. *Pathogens*. 2023;12(9). doi:10.3390/pathogens12091074.
- Cerra S, Dini V, Salamone TA, Hajareh Haghighi F, Mercurio M, Cartoni A, Fratoddi I, *et al.* Acrylates-based hydrophilic co-polymeric nanobeads as nanocarriers for imaging agents. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 2023;674. doi:10.1016/j.colsurfa.2023.131829.
- Cerra S, Salamone TA, Bearzotti A, Hajareh Haghighi F, Mercurio M, Marsotto M, Fratoddi I, *et al.* Thiol-functionalized palladium nanoparticles networks: Synthesis, characterization, and room temperature (toxic) vapor detection. *Particle and Particle Systems Characterization*. 2023;40(4). doi:10.1002/ppsc.202200189.
- Cesarini G, Secco S, Taurozzi D, Venditti I, Battocchio C, Marcheggiani S, Puccinelli C, *et al.* Teratogenic effects of environmental concentration of plastic particles on freshwater organisms. *Science of the Total Environment*. 2023;898. doi:10.1016/j.scitotenv.2023.165564.
- Chakrabarti SS, Saso L, Bala S, Saha S, Profumo E, Buttari B, Chakrabarti S. Role of oxidative stress in the pathogenesis of metabolic syndrome. *Metabolic Syndrome: From Mechanisms to Interventions*. 2023:143-156. doi:10.1016/B978-0-323-85732-1.00021-9.
- Checconi P, Coni C, Limongi D, Baldelli S, Ciccarone F, De Angelis M, Palamara AT, *et al.* Influenza virus replication is affected by glutaredoxin1-mediated protein deglutathionylation. *FASEB Journal*. 2023;37(2). doi:10.1096/fj.202201239RR.
- Chiantore MV, Iuliano M, Mongiovi RM, Luzi F, Mangino G, Grimaldi L, Di Bonito P, *et al.* MicroRNAs differentially expressed in actinic keratosis and healthy skin scrapings. *Biomedicines*. 2023;11(6). doi:10.3390/biomedicines11061719.
- Chiarotti F, Kodra Y, De Santis M, Bellenghi M, Taruscio D, Carè A, Petrini M. Gender and burden differences in family caregivers of patients affected by ten rare diseases. *Ann Ist Super Sanita*. 2023;59(2):122-131. doi:10.4415/ANN_23_02_05.
- Chinelli A, Salfa MC, Cellini A, Ceccarelli L, Farinella M, Rancilio L, Tavoschi L, *et al.* Sexuality education in Italy 2016-2020: a national survey investigating coverage, content and evaluation of school-based educational activities. *Sex Education*. 2023;23(6):756-768. doi:10.1080/14681811.2022.2134104.

- Chiodi V, Rappa F, Lo Re O, Chaldakov GN, Lelouvier B, Micale V, Domenici MR, Vinciguerra M. Deficiency of histone variant macroH2A1.1 is associated with sexually dimorphic obesity in mice. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-46304-8.
- Chirico F, Settimo G, Magnavita N. Indoor air quality and indoor environmental quality: The role of occupational health surveillance and the cooperation between public and occupational health stakeholders. *Journal of Health and Social Sciences*. 2023;8(4):262-269. doi:10.19204/2023/NDOO1.
- Cialdai F, Brown AM, Baumann CW, Angeloni D, Baatout S, Benchoua A, Monici M, *et al*. How do gravity alterations affect animal and human systems at a cellular/tissue level? *npj Microgravity*. 2023;9(1). doi:10.1038/s41526-023-00330-y.
- Ciardullo S, Salvatore MA, Mandolini D, Spinelli A, Bucciarelli M, Andreozzi S, Buoncristiano M, Nardone P. Trend in Breakfast Consumption among primary school children in Italy. *Nutrients*. 2023;15(21). doi:10.3390/nu15214632.
- Cignarella A, Vegeto E, Bolego C, Trabace L, Conti L, Ortona E. Sex-oriented perspectives in immunopharmacology. *Pharmacological Research*. 2023;197. doi:10.1016/j.phrs.2023.106956.
- Cipolletta S, Tomaino SCM, Brena A, Di Ciaccio P, Gentile M, Procaccio F, Cardillo M. Life beyond life: Perceptions of post-mortem organ donation and consent to donate—A focus group study in Italy. *British Journal of Health Psychology*. 2023;28(4):1222-1240. doi:10.1111/bjhp.12681.
- Cipriani M, Pichiorri F, Colamarino E, Toppi J, Tamburella F, Lorusso M, Puopolo M, *et al*. The Promotoer, a brain-computer interface-assisted intervention to promote upper limb functional motor recovery after stroke: a statistical analysis plan for a randomized controlled trial. *Trials*. 2023;24(1). doi:10.1186/s13063-023-07773-4.
- Cittadini C, Germinario EAP, Maroccia Z, Cosentino L, Maselli V, Gambardella L, Fabbri A, *et al*. Effects of the Rho GTPase-activating toxin CNF1 on fibroblasts derived from Rett syndrome patients: A pilot study. *Journal of Cellular and Molecular Medicine*. 2023;27(10):1315-1326. doi:10.1111/jcmm.17624.
- Coclite D, Franco Gensini G, Giuseppe Macri P, Napoletano A. Rigorous methodology and appropriate process are essential for high quality CPGs development. *IJC Heart and Vasculature*. 2023;45. doi:10.1016/j.ijcha.2023.101197.
- Colaceci S, Apuzzo L, Solfizi M, Trivelli G, Di Tora S, Dellafiore F, Marchetti F, *et al*. ‘They put the baby on me; the life I felt growing inside me was finally taking shape’. Lived experiences of women with vision impairments during pregnancy and motherhood: A phenomenological qualitative study. *Midwifery*. 2023;116. doi:10.1016/j.midw.2022.103535.
- Colaizzo E, Puopolo M, Tiple D, Vaianella L, Vanacore N, Milanese A, Onder G, *et al*. Guillain-Barré syndrome in patients dying with COVID-19 in Italy: a retrospective study. *Ann Ist Super Sanita*. 2023;59(3):194-198. doi:10.4415/ANN_23_03_04.
- Colangeli L, Aprile G, Carcone C, D’Adamo M, Medda E, Sbraccia P, Guglielmi V. Effects of COVID-19 vaccination on clinical outcomes in patients hospitalized in Internal Medicine during Omicron variant spreading. *Internal and Emergency Medicine*. 2023;18(2):677-680. doi:10.1007/s11739-022-03185-5.
- Colangeli L, Escobar Marcillo DI, Simonelli V, Iorio E, Rinaldi T, Sbraccia P, Fortini P, Guglielmi V. The crosstalk between gut microbiota and white adipose tissue mitochondria in obesity. *Nutrients*. 2023;15(7). doi:10.3390/nu15071723.
- Collacchi B, Pinchaud N, Borgi M, Cirulli F. Equine-Assisted Activities (EAAs) for children with Autism Spectrum Disorder (ASD): Positive effects revealed using an ethological approach. *Applied Sciences (Switzerland)*. 2023 ;13(13). doi:10.3390/app13137417.
- Colombo E, Olla S, Minnelli C, Formato A, Veroni C, Corbisiero S, Seneci P, *et al*. Synthesis and characterization of edaravone analogues as remyelinating agents and putative mechanistic probes. *Molecules*. 2023;28(19). doi:10.3390/molecules28196928.
- Comelli A, Genovese C, Gobbi F, Brindicci G, Capone S, Corpolongo A, Zammarchi L, *et al*. Schistosomiasis in non-endemic areas: Italian consensus recommendations for screening, diagnosis and management by the Italian Society of Tropical Medicine and Global Health (SIMET), endorsed by the Committee for the Study of Parasitology of the Italian Association of Clinical Microbiologists (CoSP-AMCLI), the Italian Society of Parasitology (SoIPa), the Italian Society of Gastroenterology and Digestive Endoscopy (SIGE), the Italian Society of Gynaecology and Obstetrics (SIGO), the Italian Society of Colposcopy and Cervico-Vaginal Pathology (SICPCV), the Italian Society of General Medicine and Primary Care (SIMG), the Italian Society of Infectious and Tropical Diseases

- (SIMIT), the Italian Society of Pediatrics (SIP), the Italian Society of Paediatric Infectious Diseases (SITIP), the Italian Society of Urology (SIU). *Infection*. 2023;51(5):1249-1271. doi:10.1007/s15010-023-02050-7.
- Conte AL, Brunetti F, Marazzato M, Longhi C, Maurizi L, Raponi G, Conte MP, *et al*. Atopic dermatitis-derived *Staphylococcus aureus* strains: what makes them special in the interplay with the host. *Frontiers in Cellular and Infection Microbiology*. 2023;13. doi:10.3389/fcimb.2023.1194254.
- Conte G, Arigliani E, Martinelli M, Di Noia S, Chiarotti F, Cardona F. Daydreaming and psychopathology in adolescence: An exploratory study. *Early Intervention in Psychiatry*. 2023;17(3):263-271. doi:10.1111/eip.13323.
- Contessa GM, Mazzucconi D, Rizzo A, De Crescenzo S, Ferrari P, D'Arienzo M. Environmental impact assessment of radioactive gaseous releases from modern accelerators: case studies of low- and medium-energy regime. *European Physical Journal Plus*. 2023;138(12). doi:10.1140/epjp/s13360-023-04657-z.
- Conti S, Fornari C, Ferrara P, Antonazzo IC, Madotto F, Traini E, Mantovani LG, *et al*. Time-trends in air pollution impact on health in Italy, 1990–2019: An analysis from the global burden of disease study 2019. *International Journal of Public Health*. 2023;68. doi:10.3389/ijph.2023.1605959.
- Coppola C, Kondili LA, Staiano L, Cammarota S, Citarella A, Aloisio MP, Trama U, *et al*. Hepatitis C virus micro-elimination plan in Southern Italy: The “HCV ICEberg” project. *Pathogens*. 2023;12(2). doi:10.3390/pathogens12020195.
- Coppola L, La Rocca C. Special issue “Molecular mechanisms of bisphenol A toxicity and effects of environmental levels on health”. *International Journal of Molecular Sciences*. 2023;24(9). doi:10.3390/ijms24098028.
- Coppola V, Marino I, Warnken U, Falchi M, Pasquini L, Biffoni M, De Maria R, Haas TL. The autophagic protein FYCO1 controls TNFRSF10/TRAIL receptor induced apoptosis and is inactivated by CASP8 (caspase 8). *Autophagy*. 2023;19(10):2733-2751. doi:10.1080/15548627.2023.2229656.
- Coratti G, Ricci M, Capasso A, D'Amico A, Sansone V, Bruno C, Mercuri E, *et al*. Prevalence of spinal muscular atrophy in the era of disease-modifying therapies: An Italian nationwide survey. *Neurology*. 2023;100(11):522-528. doi:10.1212/WNL.0000000000201654.
- Cordani M, Condello M, Meschini S, Strippoli R. Editorial: Autophagy modulation in cancer treatment utilizing nanomaterials and nanocarriers. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1217401.
- Corrales-Gutierrez I, Gomez-Baya D, Leon-Larios F, Medero-Canela R, Marchei E, Mendoza-Berjano R, García-Algar Ó. Alcohol consumption assessed by a biomarker and self-reported drinking in a sample of pregnant women in the South of Europe: A Comparative Study. *Toxics*. 2023;11(11). doi:10.3390/toxics11110930.
- Corsello A, Macchi M, D'Oria V, Pigazzi C, Alberti I, Treglia G, Milani GP, *et al*. Effects of vitamin D supplementation in obese and overweight children and adolescents: A systematic review and meta-analysis. *Pharmacological Research*. 2023;192. doi:10.1016/j.phrs.2023.106793.
- Corsi Decenti E, Salvatore MA, Mancon A, Portella G, Rocca A, Vocale C, Torri A, *et al*. A large series of molecular and serological specimens to evaluate mother-to-child SARS-CoV-2 transmission: a prospective study from the Italian obstetric surveillance system. *International Journal of Infectious Diseases*. 2023;126:1-9. doi:10.1016/j.ijid.2022.10.045.
- Corsi Decenti E, Salvatore MA, Mandolini D, Donati S, Antonio Schettini SC, Simeone D, Vimercati A, *et al*. Vaccination against SARS-CoV-2 in pregnancy during the Omicron wave: the prospective cohort study of the Italian obstetric surveillance system. *Clinical Microbiology and Infection*. 2023;29(6):772-780. doi:10.1016/j.cmi.2023.01.013.
- Corsi Decenti E, Salvatore MA, Mandolini D, Sampaolo L, D'Aloja P, Alberi I, Donati S, *et al*. Perinatal care in SARS-CoV-2 infected women: the lesson learnt from a national prospective cohort study during the pandemic in Italy. *BMC Public Health*. 2023;23(1). doi:10.1186/s12889-023-17390-0.
- Corsi GI, Tichkule S, Sannella AR, Vatta P, Asnicar F, Segata N, Cacciò SM, *et al*. Recent genetic exchanges and admixture shape the genome and population structure of the zoonotic pathogen *Cryptosporidium parvum*. *Molecular Ecology*. 2023;32(10):2633-2645. doi:10.1111/mec.16556.
- Cosentino L, Witt SH, Dukal H, Zidda F, Siehl S, Flor H, De Filippis B. Methyl-CpG binding protein 2 expression is associated with symptom severity in patients with PTSD in a sex-dependent manner. *Translational Psychiatry*. 2023;13(1). doi:10.1038/s41398-023-02529-9.
- Cozzi L, Vicenza T, Battistini R, Masotti C, Suffredini E, Di Pasquale S, Serracca L, *et al*. Effects of essential oils and hydrolates on the infectivity of murine norovirus. *Viruses*. 2023;15(3). doi:10.3390/v15030682.

- Crescioli G, Finocchietti M, Paoletti O, Brunori P, Sciancalepore F, Tuccori M, Kirchmayer U, *et al.* Potentially inappropriate drug use in myasthenia gravis: a real-world population-based cohort study in Italy. *Frontiers in Neurology*. 2023;14. doi:10.3389/fneur.2023.1293626.
- Crescioli G, Maggini V, Raschi E, Gonella LA, Luxi N, Ippoliti I, Lombardi N, *et al.* Suspected adverse reactions to medications and food supplements containing *Serenoa repens*: A worldwide analysis of pharmacovigilance and phytovigilance spontaneous reports. *Phytotherapy Research*. 2023;37(11):5289-5299. doi:10.1002/ptr.7960.
- Creti R, Imperi M, Stanziale A, Giuliani G, Fazii P, Savini V. Group B streptococci (GBS) strains evading molecular diagnostics showed novel chromosomal deletions encompassing the CAMP-factor (cfb) encoding gene. *European Journal of Clinical Microbiology and Infectious Diseases*. 2023;42(7):913-916. doi:10.1007/s10096-023-04620-x.
- Cristiano W, Raimondi T, Valente D, De Gregorio C, Torti V, Ferrario V, Giacomina C, *et al.* Singing more, singing harsher: occurrence of nonlinear phenomena in a primate's song. *Animal Cognition*. 2023;26(5):1661-1673. doi:10.1007/s10071-023-01809-7.
- Croce D, Borazio F, Gambosi G, Basili R, Del Manso M, Petrone D, Pilati S, *et al.* Intelligent natural language processing for epidemic intelligence. *Italian Journal of Computational Linguistics*. 2023;9(2):77-98. doi:10.4000/ijcol.1250.
- Croce L, Chiovato L, Tonacchera M, Petrosino E, Tanda ML, Moleti M, Rotondi M, *et al.* Iodine status and supplementation in pregnancy: an overview of the evidence provided by meta-analyses. *Reviews in Endocrine and Metabolic Disorders*. 2023;24(2):241-250. doi:10.1007/s11154-022-09760-7.
- Crotti S, Cruciani D, Spina S, Piscioneri V, Natalini Y, Pezzotti G, Sabbatucci M, Papini M. A Terbinafine sensitive trichophyton indotineae strain in Italy: The first clinical case of tinea corporis and onychomycosis. *Journal of Fungi*. 2023;9(9). doi:10.3390/jof9090865.
- Cruciani M, Masiello F, Pati I, Marano G, Pupella S, De Angelis V. Platelet-rich plasma for the treatment of alopecia: a systematic review and meta-analysis. *Blood Transfusion*. 2023;21(1):24-36. doi:10.2450/2021.0216-21.
- Cucinotta F, Lintas C, Tomaiuolo P, Baccarin M, Picinelli C, Castronovo P, Persico AM, *et al.* Diagnostic yield and clinical impact of chromosomal microarray analysis in autism spectrum disorder. *Molecular Genetics and Genomic Medicine*. 2023;11(8). doi:10.1002/mgg3.2182.
- Curcio G, Adriani W. Editorial: Insights in consciousness and empathy: 2022. *Frontiers in Behavioral Neuroscience*. 2023;17. doi:10.3389/fnbeh.2023.1298405.
- Cutrupi F, Rossi M, Cadonna M, Poznanski E, Manara S, Postinghel M, Grasselli E, *et al.* Evaluation of concentration procedures, sample pre-treatment, and storage condition for the detection of SARS-CoV-2 in wastewater. *Environmental Science and Pollution Research*. 2023;30(48):106660-106670. doi:10.1007/s11356-023-29696-y.
- D'Alessandro D, Rebecchi A, Appolloni L, Brambilla A, Brusaferrro S, Buffoli M, Capolongo S, *et al.* Re-thinking the environment, cities, and living spaces for public health purposes, according with the COVID-19 lesson: The LVII Erice charter. *Land*. 2023;12(10). doi:10.3390/land12101863.
- D'Avanzo B, Barbato A, Monzio Compagnoni M, Caggiu G, Allevi L, Lora A, *et al.* The quality of mental health care for people with bipolar disorders in the Italian mental health system: the QUADIM project. *BMC Psychiatry*. 2023;23(1). doi:10.1186/s12888-023-04921-7.
- da Cas R, Ippoliti I, Ruggeri P, Annunziata A, Civitelli G, Vischetti E, Geraci S. Healthcare and drug use among homeless people: The experience of the Caritas Outpatient Clinic in Rome. *Recenti Progressi in Medicina*. 2023;114(9):532-533. doi:10.1701/4088.40800.
- Dagostin F, Tagliapietra V, Marini G, Cataldo C, Bellenghi M, Pizzarelli S, Rizzoli A, *et al.* Ecological and environmental factors affecting the risk of tick-borne encephalitis in Europe, 2017 to 2021. *Eurosurveillance*. 2023;28(42). doi:10.2807/1560-7917.ES.2023.28.42.2300121.
- Dal Maso L, Pierannunzio D, Francisci S, De Paoli A, Toffolutti F, Vaccarella S, Zoppini G, *et al.* Trends in radioactive iodine treatment after total thyroidectomy in Italy, 2001-2018. *European Thyroid Journal*. 2023;12(4). doi:10.1530/ETJ-23-0051.
- D'Auria LJ, Rofrano G, Danese A, Pisciotto IDM, Signorelli D, Vecchio D, Esposito M, *et al.* Buffalo milk quality in southern Italy: trace elements & endocrine disruptors. A One Health analysis. *Revista Científica de la Facultad de Veterinaria*. 2023;33:229-231. doi:10.52973/refcv-wbc087.
- Davoli E, Gallus S, Mattioli F, Lugo A, Solimini R, Domínguez FR, Troasur MM, Vardavas C. Fees for laboratory analyses of tobacco and related products in Europe: The next step forward. *Tobacco Prevention and Cessation*. 2023;9(April). doi:10.18332/tpc/161896.

- De Alteriis E, Incerti G, Carteni F, Chiusano ML, Colantuono C, Palomba E, Mazzoleni S, *et al.* Extracellular DNA secreted in yeast cultures is metabolism-specific and inhibits cell proliferation. *Microbial Cell*. 2023;10(12):277-295. doi:10.15698/mic2023.12.810.
- De Angelis L, Baglivo F, Arzilli G, Privitera GP, Ferragina P, Tozzi AE, Rizzo C. ChatGPT and the rise of large language models: the new AI-driven infodemic threat in public health. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1166120.
- De Angelis M, Anichini G, Palamara AT, Nencioni L, Gori Savellini G. Dysregulation of intracellular redox homeostasis by the SARS-CoV-2 ORF6 protein. *Virology Journal*. 2023;20(1). doi:10.1186/s12985-023-02208-7.
- de Bruin O, Engjom H, Vousden N, Ramakrishnan R, Aabakke AJM, Åyräs O, Bloemenkamp KWM, *et al.* Variations across Europe in hospitalization and management of pregnant women with SARS-CoV-2 during the initial phase of the pandemic: Multi-national population-based cohort study using the International Network of Obstetric Survey Systems (INOSS). *Acta Obstetrica et Gynecologica Scandinavica*. 2023;102(11):1521-1530. doi:10.1111/aogs.14643.
- De Feo MS, Frantellizzi V, Locuratolo N, Di Rocco A, Farcomeni A, Pauletti C, Spanu A, *et al.* Role of functional neuroimaging with 123I-MIBG and 123I-FP-CIT in de novo Parkinson's disease: A multicenter study. *Life*. 2023;13(8). doi:10.3390/life13081786.
- De Giglio O, D'ambrosio M, Calia C, Spagnuolo V, Oliva M, Lopuzzo M, Montagna MT, *et al.* Case series study of nosocomial Legionnaires' disease in Apulia region (southern Italy): The role of different molecular methods in identifying the infection source. *Acta Biomedica*. 2023;94. doi:10.23750/abm.v94iS3.15048.
- De Gregorio A, Serafino A, Krasnowska EK, Superti F, Di Fazio MR, Fuggetta MP, Hammarberg Ferri I, Fiorentini C. Protective effect of *Limosilactobacillus fermentum* ME-3 against the increase in paracellular permeability induced by chemotherapy or inflammatory conditions in Caco-2 cell models. *International Journal of Molecular Sciences*. 2023;24(7). doi:10.3390/ijms24076225.
- de Lara ALMV, Bhandari PM, Wu Y, Levis B, Thombs B, Benedetti A, Zhang Y, *et al.* A case study of an individual participant data meta-analysis of diagnostic accuracy showed that prediction regions represented heterogeneity well. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-36129-w.
- De Luca L, D'Errigo P, Rosato S, Badoni G, Giordani B, Mureddu GF, Baglio G, *et al.* Impact of COVID-19 diagnosis on mortality in patients with ischemic stroke admitted during the 2020 pandemic in Italy. *Journal of Clinical Medicine*. 2023;12(14). doi:10.3390/jcm12144560.
- De Luca L, Rosato S, D'Errigo P, Giordani B, Mureddu GF, Badoni G, Seccareccia F, Baglio G. Covid-19 diagnosis and mortality in patients with non-ST-elevation myocardial infarction admitted in Italy during the national outbreak. *International Journal of Cardiology*. 2023;370:447-453. doi:10.1016/j.ijcard.2022.11.008.
- De Medici D, Cook N, Rodriguez-Lazaro D. Editorial: New advances in identification and quantification of foodborne pathogens, volume II. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1205923.
- De Michele M, Iacobucci M, Letteri F, Andreoli C, Lorenzano S, Canese R, Toni D, *et al.* A transient magnetic resonance spectroscopy peri-ischemic peak: a possible radiological biomarker of post-stroke neurogenesis. *Neurological Sciences*. 2023;44(3):967-978. doi:10.1007/s10072-022-06479-w.
- De Michele M, Lorenzano S, Bertuccini L, Iosi F, Toni D. "Time lost is clot resolution lost": the neglected perspective of the therapeutic time window for ischemic stroke. *Frontiers in Neurology*. 2023;14. doi:10.3389/fneur.2023.1177609.
- De Michele M, Lorenzano S, Piscopo P, Rivabene R, Crestini A, Chistolini A, Toni D, *et al.* SARS-CoV-2 infection predicts larger infarct volume in patients with acute ischemic stroke. *Frontiers in Cardiovascular Medicine*. 2023;9. doi:10.3389/fcvm.2022.1097229.
- De Picker LJ, Morrens M, Branchi I, Haarman BCM, Terada T, Kang MS, Ottroy J, *et al.* TSPO PET brain inflammation imaging: A transdiagnostic systematic review and meta-analysis of 156 case-control studies. *Brain, Behavior, and Immunity*. 2023;113:415-431. doi:10.1016/j.bbi.2023.07.023.
- De Sabato L, Ianiro G, Alborali GL, Kroneman A, Grierson SS, Krumova-Valcheva GL, Di Bartolo I, *et al.* Molecular characterization and phylogenetic analysis of Hepatitis E Virus (HEV) strains from pigs farmed in eight European Countries between 2020 and 2022. *Transboundary and emerging diseases*. 2023;2023. doi:10.1155/2023/2806835.
- De Sabato L, Ianiro G, Filipello V, Arnaboldi S, Righi F, Ostanello F, Di Bartolo I, *et al.* Absence of Hepatitis E Virus (HEV) in Italian lagomorph species sampled between 2019 and 2021. *Animals*. 2023;13(3). doi:10.3390/ani13030545.

- De Sabato L, Ianiro G, Manzia F, Monini M, Chiappini B, Di Bartolo I, Vaccari G. Erinaceus coronavirus persistence in hedgehogs (*Erinaceus europaeus*) in a non-invasive, in vivo, experimental setting. *Frontiers in Veterinary Science*. 2023;10. doi:10.3389/fvets.2023.1213990.
- De Santis R, Faggioni G, Amoroso A, Ciammaruconi A, Pomponi A, Stella Lia M, Lista F, *et al.* Durability of neutralizing antibodies against yellow fever virus after vaccination in healthy adults. *Vaccine*. 2023;41(17):2761-2763. doi:10.1016/j.vaccine.2023.03.022.
- de Silvestro G, Catalano L, Marano G, Piccinini V, Cannata L, Ostuni A, de Angelis V. The Italian registry of therapeutic apheresis: year of activity 2021. *Transfusion and Apheresis Science*. 2023;62(3). doi:10.1016/j.transci.2023.103652.
- De Simone G, Monaca SD, Fattibene P, Bocedi A, Coletta M, Ascenzi P. Ferrous nitrosylated cytochrome c: The unusual strength of the proximal His18-Fe bond. *Journal of Inorganic Biochemistry*. 2023;247. doi:10.1016/j.jinorgbio.2023.112338.
- De Simone R, Ajmone-Cat MA, Tartaglione AM, Calamandrei G, Minghetti L. Maternal suboptimal selenium intake and low-level lead exposure affect offspring's microglial immune profile and its reactivity to a subsequent inflammatory hit. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-45613-2.
- De Vita D, Frezza C, Sciubba F, Toniolo C, Badiali C, Petrucci R, Foddai S, *et al.* Phytochemical analysis and in vitro antileukemic activity of alkaloid-enriched extracts from vinca sardoa (stearn) pignatti. *Molecules*. 2023;288(15). doi:10.3390/molecules28155639.
- de Vries PLM, Deneux-Tharaux C, Baud D, Chen KK, Donati S, Goffinet F, van den Akker T, *et al.* Postpartum haemorrhage in high-resource settings: Variations in clinical management and future research directions based on a comparative study of national guidelines. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2023;130(13):1639-1652. doi:10.1111/1471-0528.17551.
- Deconinck E, Raimondo M, Borioni A, Grange Y, Rebière H, Mihailova A, Bertrand M, *et al.* Clustering of tadalafil API samples according to their manufacturer in the context of API falsification detection. *Journal of Pharmaceutical Sciences*. 2023;112(11):2834-2842. doi:10.1016/j.xphs.2023.05.015.
- Del Fante C, Masiello F, Vaglio S, Lombardini L, Coluzzi S, Rondinelli MB, De Angelis V, *et al.* A survey on preoperative autologous blood donation policy in bone marrow stem cell donors in Italy. *Blood Transfusion*. 2023;21(4):337-344. doi:10.2450/2022.0134-22.
- Deligianni E, Pizzi E, Kavelaki I, Siden-Kiamos I, Sapienza FU, Fioravanti R, Currà C, *et al.* Screening of the activity of sixty essential oils against plasmodium early mosquito stages in vitro and machine learning analysis reveals new putative inhibitors of malaria parasites. *International Journal for Parasitology: Drugs and Drug Resistance*. 2023;23:87-93. doi:10.1016/j.ijpddr.2023.11.002.
- Demuru E, Rossi S, Ventura L, Dal Maso L, Guzzinati S, Katalinic A, Huws DW, *et al.* Estimating complete cancer prevalence in Europe: validity of alternative vs standard completeness indexes. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1114701.
- Derme M, Piccioni MG, Brunelli R, Crognale A, Denotti M, Ciolli P, Fiore M, *et al.* Oxidative stress in a mother consuming alcohol during pregnancy and in her newborn: A case report. *Antioxidants*. 2023;12(6). doi:10.3390/antiox12061216.
- D'Errigo P, Marcellusi A, Biancari F, Barbanti M, Cerza F, Tarantini G, Rosato S, *et al.* Financial burden of transcatheter aortic valve implantation. *American Journal of Cardiology*. 2023;203:1-8. doi:10.1016/j.amjcard.2023.06.088.
- Descarpentrie A, Calas L, Cornet M, Heude B, Charles M-A, Avraam D, Lioret S, *et al.* Lifestyle patterns in European preschoolers: Associations with socio-demographic factors and body mass index. *Pediatric Obesity*. 2023;18(12). doi:10.1111/ijpo.13079.
- Di Antonio G, Vinci GV, Pietronero L, Javarone MA. The rise of rationality in blockchain dynamics. *New Journal of Physics*. 2023;25(12). doi:10.1088/1367-2630/ad149a.
- Di Blasio N, Acampora A, Bonomi A, Ciurleo R, Deroma L, Donati S, Marchesini G, Pagano E. A&F: obstacles to Implementing interventions in the health system. *Recenti Progressi in Medicina*. 2023;114(7):432-440. doi:10.1701/4062.40462.
- Di Blasio N, Angelici L, Bonomi A, Ciurleo R, Deroma L, Giusti A, Acampora A, *et al.* A&F: Integrating research into practice and practice into research. *Recenti Progressi in Medicina*. 2023;114(4):196-203. doi:10.1701/4009.39887.

- Di Bona S, Artino E, Buiarelli F, Di Filippo P, Galarini R, Lorenzetti S, Goracci L, *et al.* Metabolic stability of eight airborne OrganoPhosphate Flame Retardants (OPFRs) in human liver, skin microsomes and human hepatocytes. *Separations*. 2023;10(11). doi:10.3390/separations10110548.
- Di Carlo C, Ampollini M, Antignani S, Caprio M, Carpentieri C, Caccia B, Bochicchio F. Extreme reverse seasonal variations of indoor radon concentration and possible implications on some measurement protocols and remedial strategies. *Environmental Pollution*. 2023;327. doi:10.1016/j.envpol.2023.121480.
- Di Carlo C, Maiorana A, Ampollini M, Antignani S, Caprio M, Carpentieri C, Bochicchio F. Models of radon exhalation from building structures: General and case-specific solutions. *Science of the Total Environment*. 2023;885. doi:10.1016/j.scitotenv.2023.163800.
- Di Fiore C, Pandolfi P, Carriera F, Iannone A, Settimo G, Mattei V, Avino P. The presence of aromatic substances in incense: Determining indoor air quality and its impact on human health. *Applied Sciences (Switzerland)*. 2023;13(12). doi:10.3390/app13127344.
- Di Giacomo S, Di Sotto A, Percaccio E, Scuotto E, Battistelli C, Mazzanti G, Menniti-Ippolito F, Ippoliti I. Interaction of *Garcinia cambogia* (Gaertn.) Desr. and drugs as a possible mechanism of liver injury: The case of Montelukast. *Antioxidants*. 2023;12(9). doi:10.3390/antiox12091771.
- Di Giacomo S, Percaccio E, Vitalone A, Ingallina C, Mannina L, Macone A, Di Sotto A. Characterization of the chemopreventive properties of *Cannabis sativa* L. Inflorescences from monoecious cultivars grown in Central Italy. *Plants*. 2023;12(22). doi:10.3390/plants12223814.
- Di Giorgi A, La Maida N, Taoussi O, Pichini S, Busardò FP, Tini A, Di Trana A. Analysis of perfluoroalkyl substances (PFAS) in conventional and unconventional matrices: Clinical outcomes. *Journal of Pharmaceutical and Biomedical Analysis Open*. 2023;1. doi:10.1016/j.jpba.2023.100002.
- Di Giorgi A, Sprega G, Poyatos L, Papaseit E, Pérez-Mañá C, Di Trana A, Farré M, *et al.* Sweat testing for the detection of methylone after controlled administrations in humans. *International Journal of Molecular Sciences*. 2023;24(8). doi:10.3390/ijms24087395.
- Di Nucci A, Pilloni S, Scognamiglio U, Rossi L. Adherence to Mediterranean diet and food neophobia occurrence in children: A study carried out in Italy. *Nutrients*. 2023;15(24). doi:10.3390/nu15245078.
- Di Paola V, Morrone M, Poli V, Fuso A, Pascale E, Adriani W. How can CpG methylations, and pair-to-pair correlations between the main (gene) and the opposite strands, suggest a bending DNA loop: Insights into the 5'-UTR of DAT1. *Genes*. 2023;14(1). doi:10.3390/genes14010190.
- Di Pietro M, Filardo S, Mattioli R, Bozzuto G, Molinari A, Mosca L, Sessa R. Extra virgin olive oil-based formulations: A “green” strategy against *Chlamydia trachomatis*. *International Journal of Molecular Sciences*. 2023;24(16). doi:10.3390/ijms241612701.
- Di Prete A, Del Grosso D, Focaroli V, Paoletti M, Pecora G, Hodges EA, Addressi E, *et al.* Complementary feeding approach and maternal responsiveness in 8- and 12-month-old Italian infants: A longitudinal study. *Appetite*. 2023;190. doi:10.1016/j.appet.2023.107028.
- Di Raimo R, Mizzoni D, Spada M, Dolo V, Fais S, Logozzi M. Oral treatment with plant-derived exosomes restores redox balance in H₂O₂-treated mice. *Antioxidants*. 2023;12(6). doi:10.3390/antiox12061169.
- Di Rocco M, Galosi S, Follo FC, Lanza E, Folli V, Martire A, Leuzzi V, Martinelli S. Phenotypic Assessment of pathogenic variants in GNAO1 and response to caffeine in *C. elegans* models of the disease. *Genes*. 2023;14(2). doi:10.3390/genes14020319.
- Di Sotto A, Di Giacomo S. Plant Polyphenols and human health: Novel findings for future therapeutic developments. *Nutrients*. 2023;15(17). doi:10.3390/nu15173764.
- Di Sotto A, Valipour M, Azari A, Di Giacomo S, Irannejad H. Benzoindolizidine alkaloids tylophorine and lycorine and their analogues with antiviral, anti-inflammatory, and anticancer properties: Promises and challenges. *Biomedicines*. 2023;11(10). doi:10.3390/biomedicines11102619.
- Di Trana A, La Maida N, Frolidi R, Scendon R, Busardò FP, Pichini S. The new synthetic benzimidazole opioid etonitazepine: An emerging fatal harm and a challenge for laboratory medicine. *Clinical Chemistry and Laboratory Medicine*. 2023;61(10):E200-E202. doi:10.1515/cclm-2023-0186.
- Di Trana A, Montana A, Lo Faro AF, Busardò FP, Pichini S. Molecular insights of new psychoactive substances (NPS) 2.0. *International Journal of Molecular Sciences*. 2023;24(24). doi:10.3390/ijms242417492.

- Di Vincenzo M, Luciano M, Collacchi B, Felice GDE, Giona L, Piegari E, Berry A, *et al.* The predictive role of proinflammatory and neuroendocrine factors in the acute phases of bipolar disorder: study protocol of a longitudinal controlled trial. *Rivista di Psichiatria*. 2023;58(6):293-301. doi:10.1708/4143.41409.
- Díaz Méndez AB, Sacconi A, Tremante E, Lulli V, Caprara V, Rosanò L, Rizzo MG, *et al.* A diagnostic circulating miRNA signature as orchestrator of cell invasion via TKS4/TKS5/EFHD2 modulation in human gliomas. *Journal of Experimental and Clinical Cancer Research*. 2023;42(1). doi:10.1186/s13046-023-02639-8.
- Díez-Gonzalez F, Caprioli A, Morabito S, Scavia G. Shiga toxin-producing escherichia coli and other pathogenic escherichia coli. *Encyclopedia of Food Safety*. Second Edition. 2023;Volume 1-4:1-4;V2-V2-292. doi:10.1016/B978-0-12-822521-9.00166-0.
- Dinarelli S, Sikora A, Sorbo A, Rossi M, Passeri D. Atomic force microscopy as a tool for mechanical characterization at the nanometer scale. *Nanomaterials and Energy*. 2023;12(2):71-80. doi:10.1680/jnaen.23.00016.
- Dini V, Esposito G, Sacconi A, D'Andrea M, Tabocchini MA, Anello P, Strigari L, *et al.* Effectiveness of flattening-filter-free versus flattened beams in V79 and glioblastoma patient-derived stem-like cells. *International Journal of Molecular Sciences*. 2023;24(2). doi:10.3390/ijms24021107.
- Doak SH, Andreoli C, Burgum MJ, Chaudhry Q, Bleeker EAJ, Bossa C, Dusinska M, *et al.* Current status and future challenges of genotoxicity OECD test guidelines for nanomaterials: a workshop report. *Mutagenesis*. 2023;38(4):183-191. doi:10.1093/mutage/gead017.
- Domanović D, von Bonsdorff L, Tiberghien P, Strengers P, Hotchko M, O'Leary P, Thijssen-Timmer D, *et al.* Plasma collection and supply in Europe: Proceedings of an international plasma and fractionation association and European blood alliance symposium. *Vox Sanguinis*. 2023;118(9):798-806. doi:10.1111/vox.13491.
- Donati S. Vaccination in pregnancy for Omicron variant COVID-19. *Medico e Bambino*. 2023;42(2). doi:10.53126/MEB42082.
- Donati S, Buoncristiano M, D'Aloja P, Maraschini A, Corsi Decenti E, Lega I. Uptake and adherence to national guidelines on postpartum haemorrhage in Italy: The MOVIE before–after observational study. *International Journal of Environmental Research and Public Health*. 2023;20(7). doi:10.3390/ijerph20075297.
- Donato F, Ceretti E, Viola GCV, Marullo M, Zani D, Ubaldi S, Montano L, *et al.* Efficacy of a short-term lifestyle change intervention in healthy young men: The FASt randomized controlled trial. *International Journal of Environmental Research and Public Health*. 2023;20(10). doi:10.3390/ijerph20105812.
- Dong P, Mattei F, Lindsay MA. Editorial: Non-coding RNA in improving the efficacy of cancer immunotherapy. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1210235.
- Donsante S, Siciliano G, Ciardo M, Palmisano B, Messina V, de Turris V, Alano P, *et al.* An in vivo humanized model to study homing and sequestration of Plasmodium falciparum transmission stages in the bone marrow. *Frontiers in Cellular and Infection Microbiology*. 2023;13. doi:10.3389/fcimb.2023.1161669.
- Dorrucci M, Regine V, Pugliese L, Suligoi B. Impact of COVID-19 epidemic on temporal pattern of new HIV diagnoses in Italy, 2021 database. *European Journal of Public Health*. 2023;33(6):1171-1176. doi:10.1093/eurpub/ckad156.
- Drago C, Gatto A, Ruggeri M. Telemedicine as technoinnovation to tackle COVID-19: A bibliometric analysis. *Technovation*. 2023;120. doi:10.1016/j.technovation.2021.102417.
- Duminuco A, Scarso S, Cupri A, Parrinello NL, Villari L, Scuderi G, Milone G, *et al.* Leishmania infection during ruxolitinib treatment: The cytokines-based immune response in the setting of immunocompromised patients. *Journal of Clinical Medicine*. 2023;12(2). doi:10.3390/jcm12020578.
- Dumit VI, Ammar A, Bakker MI, Bañares MA, Bossa C, Costa A, Nymark P, *et al.* From principles to reality. FAIR implementation in the nanosafety community. *Nano Today*. 2023;51. doi:10.1016/j.nantod.2023.101923.
- Dunbar AJ, Kim D, Lu M, Farina M, Bowman RL, Yang JL, Hoffman R, *et al.* CXCL8/CXCR2 signaling mediates bone marrow fibrosis and is a therapeutic target in myelofibrosis. *Blood*. 2023;141(20):2508-2519. doi:10.1182/blood.2022015418.
- Dvoráček S, Dimmito MP, Sebastiani J, La Regina G, Silvestri R, Pieretti S, Mollica A, *et al.* Rimonabant-based compounds bearing hydrophobic amino acid derivatives as cannabinoid receptor subtype 1 ligands. *ACS Medicinal Chemistry Letters*. 2023;14(4):479-486. doi:10.1021/acsmchemlett.3c00024.
- Egerstrom N, Rojas-Rueda D, Martuzzi M, Jalaludin B, Nieuwenhuijsen M, So R, Cole-Hunter T, *et al.* Health and economic benefits of meeting WHO air quality guidelines, Western Pacific Region. *Bulletin of the World Health Organization*. 2023;101(2):130-139. doi:10.2471/BLT.22.288938.

- Elmer A, Lütolf VV, Carella C, Beyeler F, Krügel N, Straka L, Cardillo M, Immer F. Importance and potential of European cross-border deceased donor organ allocation through FOEDUS-EOEO platform. *Transplant International*. 2023;36. doi:10.3389/ti.2023.11327.
- Equestre M, Marcantonio C, Marascio N, Centofanti F, Martina A, Simeoni M, Bruni R, *et al.* Characterization of SARS-CoV-2 variants in military and civilian personnel of an air force airport during three pandemic waves in Italy. *Microorganisms*. 2023;11(11). doi:10.3390/microorganisms11112711.
- Erenpreisa J, Giuliani A, Cragg MS. Special Issue “Advances in genome regulation in cancer”. *International Journal of Molecular Sciences*. 2023;24(19). doi:10.3390/ijms241914567.
- Erenpreisa J, Giuliani A, Yoshikawa K, Falk M, Hildenbrand G, Salmina K, Hausmann M, *et al.* Spatial-temporal genome regulation in stress-response and cell-fate change. *International Journal of Molecular Sciences*. 2023;24(3). doi:10.3390/ijms24032658.
- Errico G, Del Grosso M, Pagnotta M, Marra M, Carollo M, Cerquetti M, Giufrè M, *et al.* Whole-genome sequencing and molecular analysis of ceftazidime–avibactam-resistant KPC-producing *Klebsiella pneumoniae* from intestinal colonization in elderly patients. *Antibiotics*. 2023;12(8). doi:10.3390/antibiotics12081282.
- Esposito V, Carocci A, Luciani F, Battistone A, Gaggioli A, Esposito F. Validation and application of a SEC-HPLC method for the determination of total protein in therapeutic immunoglobulins as an alternative to the European Pharmacopoeia methods. *Pharmeuropa bio & scientific notes*. 2023;2023:69-81.
- Fabiani M, Mateo-Urdiales A, Sacco C, Fotakis EA, Rota MC, Petrone D, Raccanello N, *et al.* Protection against severe COVID-19 after second booster dose of adapted bivalent (original/Omicron BA.4-5) mRNA vaccine in persons ≥ 60 years, by time since infection, Italy, 12 September to 11 December 2022. *Eurosurveillance*. 2023;28(8). doi:10.2807/1560-7917.ES.2023.28.8.2300105.
- Fabiani M, Mateo-Urdiales A, Sacco C, Rota MC, Fotakis EA, Petrone D, Pezzotti P, *et al.* Relative effectiveness of bivalent Original/Omicron BA.4-5 mRNA vaccine in preventing severe COVID-19 in persons 60 years and above during SARS-CoV-2 Omicron XBB.1.5 and other XBB sublineages circulation, Italy, April to June 2023. *Eurosurveillance*. 2023;28(32). doi:10.2807/1560-7917.ES.2023.28.32.2300397.
- Fabiani M, Mateo-Urdiales A, Sacco C, Rota MC, Petrone D, Bressi M, Pezzotti P, *et al.* Relative effectiveness of a 2nd booster dose of COVID-19 mRNA vaccine up to four months post administration in individuals aged 80 years or more in Italy: A retrospective matched cohort study. *Vaccine*. 2023;41(1):76-84. doi:10.1016/j.vaccine.2022.11.013.
- Fabri A, Pasetto R, Marsili D, Zona A, De Santis M, Iavarone I. Sustainability of Italian seaports located near contaminated sites: results of an exploratory analysis. *Ann Ist Super Sanita*. 2023;59(2):159-169. doi:10.4415/ANN_23_02_09.
- Fabricci M, Trinca A, Talotti L, Busetti M, Fotakis EA, Merakou C, Turello G, *et al.* A urokinase-associated outbreak of *Ralstonia mannitolilytica* bloodstream infections in haemodialysis patients in north-eastern Italy, January to April 2023. *Eurosurveillance*. 2023;28(28). doi:10.2807/1560-7917.ES.2023.28.28.2300328.
- Facchin G, Bella A, Del Manso M, Rota MC, Filia A. Decline in reported measles cases in Italy in the COVID-19 era, January 2020 – July 2022: The need to prevent a resurgence upon lifting non-pharmaceutical pandemic measures. *Vaccine*. 2023;41(7):1286-1289. doi:10.1016/j.vaccine.2023.01.021.
- Faggioni G, De Santis R, Moramarco F, Di Donato M, De Domenico A, Molinari F, Lista F, *et al.* Pan-yellow fever virus detection and lineage assignment by real-time RT-PCR and amplicon sequencing. *Journal of Virological Methods*. 2023;316. doi:10.1016/j.jviromet.2023.114717.
- Fanciulli G, La Salvia A, Di Molfetta S, Cannavale G, Puliani G, Verrico M, Faggiano A, *et al.* Predictive factors of response to streptozotocin in neuroendocrine pancreatic neoplasms. *Journal of Clinical Medicine*. 2023;12(24). doi:10.3390/jcm12247557.
- Fanciulli G, Modica R, La Salvia A, Grossrubatscher EM, Florio T, Ferraù F, Faggiano A, *et al.* Proteasome inhibitors in medullary thyroid carcinoma: time to restart with clinical trials? *Frontiers in Endocrinology*. 2023;14. doi:10.3389/fendo.2023.1145926.
- Fasciana T, Antonelli A, Bianco G, Lombardo D, Codda G, Roscetto E, Giammanco A, *et al.* Multicenter study on the prevalence of colonization due to carbapenem-resistant Enterobacterales strains before and during the first year of COVID-19, Italy 2018–2020. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1270924.
- Fattibene P, Tromprier F, Bassinet C, Ciesielski B, Discher M, Eakins J, Yasuda H, *et al.* Reflections on the future developments of research in retrospective physical dosimetry. *Physics Open*. 2023;14. doi:10.1016/j.physo.2022.100132.

- Fauci AJ, D'Angelo D, Coclite D, Napoletano A, Gianola S, Ferrara C, Nitto MD, Gensini G. Exploring the definition and methodology of "best practice" in the health care literature: a scoping review protocol. *JBIM Evidence Synthesis*. 2023;21(10):2134-2141. doi:10.11124/JBIES-23-00046.
- Fazio N, La Salvia A. Precision medicine in gastroenteropancreatic neuroendocrine neoplasms: Where are we in 2023? *Best Practice and Research: Clinical Endocrinology and Metabolism*. 2023;37(5). doi:10.1016/j.beem.2023.101794.
- Fazzo L, Grande E, Zona A, Minelli G, Cialesi R, Iavarone I, Grippo F. Mortality rates from asbestos-related diseases in Italy during the first year of the COVID-19 pandemic. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1243261.
- Fazzo L, Manno V, Iavarone I, Minelli G, De Santis M, Beccaloni E, Comba P, *et al*. The health impact of hazardous waste landfills and illegal dumps contaminated sites: An epidemiological study at ecological level in Italian Region. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.996960.
- Fazzo L, Minelli G, De Santis M, Ceccarelli E, Iavarone I, Zona A. The epidemiological surveillance of mesothelioma mortality in Italy as a tool for the prevention of asbestos exposure. *International Journal of Environmental Research and Public Health*. 2023;20(11). doi:10.3390/ijerph20115957.
- Fazzo L, Minichilli F, Manno V, Iavarone I, Benedetti M, Contiero P, Ricci P, *et al*. Global evaluation of the mortality and hospitalization in the Italian contaminated sites included in the SENTIERI project. *Epidemiologia e Prevenzione*. 2023;47(1-2):366-374. doi:10.19191/EP23.1-2-S1.009.
- Fedele G, Palmieri A, Onder G. The immune response to SARS-CoV-2 vaccination in older people. *The Lancet Healthy Longevity*. 2023;4(5):e177-e178. doi:10.1016/S2666-7568(23)00060-0.
- Fedele G, Russo G, Schiavoni I, Leone P, Olivetta E, Perri V, Stefanelli P, *et al*. Early IgG / IgA response in hospitalized COVID-19 patients is associated with a less severe disease. *Diagnostic microbiology and infectious disease*. 2023;105(1). doi:10.1016/j.diagmicrobio.2021.115539.
- Fedele G, Schiavoni I, Trentini F, Leone P, Olivetta E, Fallucca A, Stefanelli P, *et al*. A 12-month follow-up of the immune response to SARS-CoV-2 primary vaccination: evidence from a real-world study. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1272119.
- Federico M. The limitations of current t cell-driven anticancer immunotherapies can be overcome with an original extracellular-vesicle-based vaccine strategy. *Vaccines*. 2023;11(12). doi:10.3390/vaccines11121847.
- Feraldi A, De Santis B, Finocchietti M, Debernach F, Mandile A, Alfò M. Evaluation of statistical treatment of left-censored contamination data: Example involving deoxynivalenol occurrence in pasta and pasta substitute products. *Toxins*. 2023;15(9). doi:10.3390/toxins15090521.
- Ferheen I, Spurio R, Mancini L, Marcheggiani S. Detection of *Morganella morganii* bound to a plastic substrate in surface water. *Journal of Global Antimicrobial Resistance*. 2023;32:104-107. doi:10.1016/j.jgar.2023.01.008.
- Feriotto G, Marchetti P, Rondanin R, Tagliati F, Aguzzi S, Beninati S, Mischiati C, *et al*. Cytotoxicity of isoxazole curcumin analogs on chronic myeloid leukemia-derived K562 cell lines sensitive and resistant to imatinib. *International Journal of Molecular Sciences*. 2023;24(3). doi:10.3390/ijms24032356.
- Feriotto G, Rondanin R, Marchetti P, Tagliati F, Beninati S, Tabolacci C, Mischiati C, *et al*. Characterization of stable pyrazole derivatives of curcumin with improved cytotoxicity on osteosarcoma cell lines. *Life*. 2023;13(2). doi:10.3390/life13020431.
- Ferrantelli F, Manfredi F, Chiozzini C, Leone P, Pugliese K, Spada M, Federico M, *et al*. SARS-CoV-2-Specific CD8+ T-Cells in blood but not in the lungs of vaccinated K18-hACE2 mice after infection. *Vaccines*. 2023;11(9). doi:10.3390/vaccines11091433.
- Ferraris F, Adelantado C, Raggi A, Savini S, Zougagh M, Ríos Á, Cubadda F. An ICP-MS-based analytical strategy for assessing compliance with the ban of E 171 as a food additive on the EU market. *Nanomaterials*. 2023;13(22). doi:10.3390/nano13222957.
- Ferraris F, Raggi A, Ponti J, Mehn D, Gilliland D, Savini S, Cubadda F, *et al*. Agglomeration behavior and fate of food-grade titanium dioxide in human gastrointestinal digestion and in the lysosomal environment. *Nanomaterials*. 2023;13(13). doi:10.3390/nano13131908.
- Ferroni E, Ruggieri A, Biscaglia L, Mangia C. Sex and gender approach in epidemiology and public health research. *Journal of Sex- and Gender-Specific Medicine*. 2023;9(1):3-5. doi:10.1723/4031.40061.
- Filardo S, Di Pietro M, Bozzuto G, Fracella M, Bitossi C, Molinari A, Sessa R, *et al*. Interferon-ε as potential inhibitor of *Chlamydia trachomatis* infection. *Microbial Pathogenesis*. 2023;185. doi:10.1016/j.micpath.2023.106427.

- Fiore A, Treglia I, Ciccaglioni G, Ortoffi MF, Gattuso A. Application of a Loop-Mediated Isothermal Amplification (LAMP) assay for the detection of *Listeria monocytogenes* in cooked ham. *Foods*. 2023;12(1). doi:10.3390/foods12010193.
- Ruggieri F, Forte G, Bocca B, Casentini B, Petrangeli AB, Salatino A, Gimeno D. Potentially harmful elements released by volcanic ash of the 2021 Tajogaite eruption (Cumbre Vieja, La Palma Island, Spain): Implications for human health. *Science of the Total Environment*. 2023;905. doi:10.1016/j.scitotenv.2023.167103.
- Flex E, Albadri S, Radio FC, Cecchetti S, Lauri A, Priolo M, Tartaglia M, *et al.* Dominantly acting KIF5B variants with pleiotropic cellular consequences cause variable clinical phenotypes. *Human Molecular Genetics*. 2023;32(3):473-488. doi:10.1093/hmg/ddac213.
- Floridia M, Galluzzo CM, Orlando S, Luhanga R, Mphwere R, Kavalo T, Giuliano M, *et al.* Micronutrient and nutritional status of HIV-exposed and HIV-unexposed Malawian infants in the first year of life: Assessment of ferritin, vitamin A, and D status and its association with growth. *Nutrients*. 2023;15(14). doi:10.3390/nu15143282.
- Floridia M, Orlando S, Andreotti M, Mphwere R, Kavalo T, Ciccacci F, Giuliano M, *et al.* A 12-month prospective study of HIV-infected and HIV-uninfected women and their infants in Malawi: Comparative analysis of clinical events and infant growth. *American Journal of Tropical Medicine and Hygiene*. 2023;108(2):394-402. doi:10.4269/ajtmh.22-0482.
- Folorunso OM, Bocca B, Ruggieri F, Frazzoli C, Chijioke-Nwauche I, Orisakwe OE. Heavy metals and inflammatory, oxidative/antioxidant and DNA damage biomarkers among people living with HIV/AIDS (PLWHA) in Niger Delta, Nigeria. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*. 2023;58(4):295-313. doi:10.1080/10934529.2023.2185004.
- Formisano R, D'Ippolito M, Giustini M, Della Vedova C, Laurenza L, Matteis M, Menna C, Rendina EA. The impact of early surgical treatment of tracheal stenosis on neurorehabilitation outcome in patients with severe acquired brain injury. *Brain Injury*. 2023;37(1):74-82. doi:10.1080/02699052.2022.2143899.
- Forte G, Ariu F, Bocca B, Solinas G, Leoni GG, Podda A, Madeddu R, Bogliolo L. Heavy metal(loid) accumulation in the ovarian tissue of free-ranging queens and bitches inhabiting highly polluted urban environments. *Animals*. 2023;13(4). doi:10.3390/ani13040650.
- Forte J, Hanieh PN, Poerio N, Olimpieri T, Ammendolia MG, Fraziano M, Rinaldi F, *et al.* Mucoadhesive rifampicin-liposomes for the treatment of pulmonary infection by *Mycobacterium abscessus*: Chitosan or ϵ -Poly-L-Lysine decoration. *Biomolecules*. 2023;13(6). doi:10.3390/biom13060924.
- Fortinguerra F, Belleudi V, Poggi FR, Perna S, Bortolus R, Donati S, Serra E, *et al.* Monitoring medicine prescriptions before, during and after pregnancy in Italy. *PLoS ONE*. 2023;18(6). doi:10.1371/journal.pone.0287111.
- Fortini D, García-Fernández A, Lucarelli C, Dionisi AM, Arena S, Owczarek S, Villa L, *et al.* Isolation and characterisation of human-derived blaKPC-3-producing *Salmonella enterica* Serovar Rissen in 2018. *Antibiotics*. 2023;12(9). doi:10.3390/antibiotics12091377.
- Fragale A, Stellacci E, Romagnoli G, Licursi V, Parlato S, Canini I, Gabriele L, *et al.* Reversing vemurafenib-resistance in primary melanoma cells by combined romidepsin and type I IFN treatment through blocking of tumorigenic signals and induction of immunogenic effects. *International Journal of Cancer*. 2023;153(5):1080-1095. doi:10.1002/ijc.34602.
- Francescangeli F, De Angelis ML, Rossi R, Cuccu A, Giuliani A, De Maria R, Zeuner A. Dormancy, stemness, and therapy resistance: interconnected players in cancer evolution. *Cancer and Metastasis Reviews*. 2023;42(1):197-215. doi:10.1007/s10555-023-10092-4.
- Franchi E, Parini S, Capelli G, Perali C, Lombardi I, Amoroso A, Spolverato G, *et al.* Women in transplant surgery in Italy. *Transplantation*. 2023;107(4):793-796. doi:10.1097/TP.0000000000004381.
- Franciosa G, Guida S, Gomez Miguel MJ, Von Hunolstein C. Live biotherapeutic products and their regulatory framework in Italy and Europe. *Ann Ist Super Sanita*. 2023;59(1):56-67. doi:10.4415/ANN_23_01_09.
- Franzo M, Pascucci S, Serrao M, Marinozzi F, Bini F. Breakthrough in occupational therapy with mixed-reality exergaming for cerebellar ataxia patients. 2023 *IEEE International Symposium on Medical Measurements and Applications, MeMeA 2023 - Conference Proceedings 2023*. doi:10.1109/MeMeA57477.2023.10171955.
- Franzò M, Pica A, Pascucci S, Marinozzi F, Bini F. Hybrid system mixed reality and marker-less motion tracking for sports rehabilitation of martial arts athletes. *Applied Sciences (Switzerland)*. 2023;13(4). doi:10.3390/app13042587.

- Franzò M, Pica A, Pascucci S, Serrao M, Marinozzi F, Bini F. A proof of concept combined using mixed reality for personalized neurorehabilitation of cerebellar ataxic patients. *Sensors*. 2023;23(3). doi:10.3390/s23031680.
- Frasca L, Ocone G, Palazzo R. Safety of COVID-19 Vaccines in patients with autoimmune diseases, in patients with cardiac issues, and in the healthy population. *Pathogens*. 2023;12(2). doi:10.3390/pathogens12020233.
- Fraternali A, De Angelis M, De Santis R, Amatore D, Masini S, Monittola F, Crinelli R, *et al.* Targeting SARS-CoV-2 by synthetic dual-acting thiol compounds that inhibit Spike/ACE2 interaction and viral protein production. *FASEB Journal*. 2023;37(2). doi:10.1096/fj.202201157RR.
- Frazzoli C, Grasso G, Husaini DC, Ajibo DN, Orish FC, Orisakwe OE. Immune system and epidemics: The role of African indigenous bioactive substances. *Nutrients*. 2023;15(2). doi:10.3390/nu15020273.
- Frazzoli C, Mantovani A. Editorial: The environment-animal-human web: a “One Health” view of toxicological risk analysis, volume II. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1208636.
- Fucic A, Mantovani A, Vena J, Bloom MS, Sincic N, Vazquez M, Aguado-Sierra J. Impact of endocrine disruptors from mother’s diet on immuno-hormonal orchestration of brain development and introduction of the virtual human twin tool. *Reproductive Toxicology*. 2023;117. doi:10.1016/j.reprotox.2023.108357.
- Fulceri F, Gila L, Caruso A, Micai M, Romano G, Scattoni ML. Building bricks of integrated care pathway for Autism Spectrum Disorder: A systematic review. *International Journal of Molecular Sciences*. 2023;24(7). doi:10.3390/ijms24076222.
- Furuhashi A, Kitazawa A, Yao J, Matos dos Santos CE, Rathman J, Yang C, Honma M, *et al.* Evaluation of QSAR models for predicting mutagenicity: outcome of the Second Ames/QSAR international challenge project. *SAR and QSAR in Environmental Research*. 2023;34(12):983-1001. doi:10.1080/1062936X.2023.2284902.
- Gabutti G, Grassi T, Bagordo F, Savio M, Rota MC, Castiglia P, Tramuto F, *et al.* Sero-epidemiological study of Varicella in the Italian general population. *Vaccines*. 2023;11(2). doi:10.3390/vaccines11020306.
- Gaddini L, Bernardo A, Greco A, Campa A, Esposito G, Matteucci A. Adaptive response in rat retinal cell cultures irradiated with γ -rays. *International Journal of Molecular Sciences*. 2023;24(3). doi:10.3390/ijms24031972.
- Galati L, Gupta P, Tufaro A, Marinaro M, Saponaro C, Escobar Marcillo DI, Gheit T, *et al.* Evaluation of human papillomavirus DNA in colorectal cancer and adjacent mucosal tissue samples. *Infectious Agents and Cancer*. 2023;18(1). doi:10.1186/s13027-023-00552-5.
- Galli MC. Preface. *Advances in Experimental Medicine and Biology*. 2023:430.
- Gallus S, Bosetti C, Gorini G, Stival C, Boffi R, Lugo A, Cattaruzza MS, *et al.* The Association of tobacco smoking, second-hand smoke, and novel tobacco products with COVID-19 severity and mortality in Italy: Results from the COSMO-IT study. *Journal of Epidemiology*. 2023;33(7):367-371. doi:10.2188/jea.JE20220321.
- Galluzzo L, Noale M, Maggi S, Feraldi A, Baldereschi M, Di Carlo A, Onder G. Frailty prevalence, incidence, and association with incident disability in the Italian longitudinal study on aging. *Gerontology*. 2023;69(3):249-260. doi:10.1159/000525581.
- Galosi S, Novelli M, Di Rocco M, Flex E, Messina E, Pollini L, Martinelli S, *et al.* GNAO1 Haploinsufficiency: The milder end of the GNAO1 phenotypic spectrum. *Movement Disorders*. 2023;38(12):2313-2314. doi:10.1002/mds.29585.
- Garcia-Fernandez A, Janowicz A, Marotta F, Napoleoni M, Arena S, Primavilla S, Villa L, *et al.* Antibiotic resistance, plasmids, and virulence-associated markers in human strains of *Campylobacter jejuni* and *Campylobacter coli* isolated in Italy. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1293666.
- Gargiulo G, Groth C, D’Avenio G, Grigioni M, Biancolini ME. A Digital twin of an operating theatre. *Healthy Buildings Europe 2023: Beyond Disciplinary Boundaries*. 2023:1:326-334.
- Garraud O, Politis C, Henschler R, Vlaar API, Haddad A, Ertuğrul Özüç N, Vuk T, *et al.* Ethics in transfusion medicine: Are the intricate layers of ethics all universal? A global view. *Transfusion Clinique et Biologique*. 2023;30(3):347-354. doi:10.1016/j.tracli.2023.03.004.
- Gatto A, Drago C, Ruggeri M. On the frontline—A bibliometric study on sustainability, development, coronaviruses, and COVID-19. *Environmental Science and Pollution Research*. 2023;30(15):42983-42999. doi:10.1007/s11356-021-18396-0.
- Gbadamosi FI, Popoola Y, Olaniyan F, Adesola RO, Unim B. Rural-urban variation in willingness to donate blood in Ibadan Region, Nigeria. *Ann Ist Super Sanita*. 2023;59(2):114-121. doi:10.4415/ANN_23_02_04.

- Gelippi M, Blasi MF, Gauger MFW, Favero G, Mattei D, Hochscheid S, Cicala D, *et al.* The simultaneous stable isotope analysis of skin and blood gives insights on habitats shifts in Mediterranean loggerhead turtles (*Caretta caretta*, Linneus 1758). *Estuarine, Coastal and Shelf Science*. 2023;293. doi:10.1016/j.ecss.2023.108482.
- Gentilini D, Muzza M, de Filippis T, Vigone MC, Weber G, Calzari L, Persani L, *et al.* Stochastic epigenetic mutations as possible explanation for phenotypical discordance among twins with congenital hypothyroidism. *Journal of Endocrinological Investigation*. 2023;46(2):393-404. doi:10.1007/s40618-022-01915-2.
- Giacchetti N, Lattanzi GM, Aceti F, Vanacore N, Williams R. States of mind with respect to attachment: a comparative study between women who killed their children and mothers diagnosed with post-partum depression. *Nordic Journal of Psychiatry*. 2023;77(1):3-13. doi:10.1080/08039488.2022.2039760.
- Giannetti M, Canale, VC, Micheli L, Fiori M, Mazzuca C, Palleschi A. An insight into the degradation processes of the anti-hypertensive drug furosemide. *Molecules*. 2023;28(1). doi:10.3390/molecules28010381.
- Giannoni F, Lanni A, Iacobino A, Fattorini L. Epidemiology and drug susceptibility of nontuberculous mycobacteria (NTM) in Italy in 2016-2020. *Ann Ist Super Sanita*. 2023;59(2):132-138. doi:10.4415/ANN_23_02_06.
- Gianola S, Barger S, Biffi A, Cimbanassi S, D'Angelo D, Coclite D, Chiara O, *et al.* Structured approach with primary and secondary survey for major trauma care: an overview of reviews. *World Journal of Emergency Surgery*. 2023;18(1). doi:10.1186/s13017-022-00472-6.
- Gianola S, Castellini G, Biffi A, Porcu G, Napoletano A, Coclite D, Chiara O, *et al.* Volume replacement in the resuscitation of trauma patients with acute hemorrhage: an umbrella review. *International Journal of Emergency Medicine*. 2023;16(1). doi:10.1186/s12245-023-00563-4.
- Giansanti D. A deep dive into the nexus between digital health and life sciences amidst the COVID-19 pandemic: An editorial expedition. *Life*. 2023;13(5). doi:10.3390/life13051154.
- Giansanti D. Advancing dermatological care: a comprehensive narrative review of tele-dermatology and mhealth for bridging gaps and expanding opportunities beyond the COVID-19 pandemic. *Healthcare (Switzerland)*. 2023;11(13). doi:10.3390/healthcare11131911.
- Giansanti D. AI-enabled fusion of medical imaging, behavioral analysis and other systems for enhanced autism spectrum disorder. Comment on Jönemo *et al.* Evaluation of augmentation methods in classifying autism spectrum disorders from fMRI data with 3D convolutional neural networks. *Diagnostics* 2023, 13, 2773. *Diagnostics (Basel)*. 2023;13(23):3545. doi:10.3390/diagnostics13233545
- Giansanti D. An umbrella review of the fusion of fMRI and AI in autism. *Diagnostics*. 2023;13(23). doi:10.3390/diagnostics13233552.
- Giansanti D. Bridging the gap: exploring opportunities, challenges, and problems in integrating assistive technologies, robotics, and automated machines into the health domain. *Healthcare (Switzerland)*. 2023;11(17). doi:10.3390/healthcare11172462.
- Giansanti D. Precision medicine 2.0: How digital health and AI are changing the game. *Journal of Personalized Medicine*. 2023;13(7). doi:10.3390/jpm13071057.
- Giansanti D. Synergizing intelligence and building a smarter future: artificial intelligence meets bioengineering. *Bioengineering*. 2023;10(6). doi:10.3390/bioengineering10060691.
- Giansanti D. Ten years of telehealth and digital healthcare: Where are we? *Healthcare (Switzerland)*. 2023;11(6). doi:10.3390/healthcare11060875.
- Giansanti D. The artificial intelligence in teledermatology: a narrative review on opportunities, perspectives, and bottlenecks. *International Journal of Environmental Research and Public Health*. 2023;20(10). doi:10.3390/ijerph20105810.
- Giansanti D. The chatbots are invading us: a map point on the evolution, applications, opportunities, and emerging problems in the health domain. *Life*. 2023;13(5). doi:10.3390/life13051130.
- Giansanti D. The neural odyssey: unveiling the potential of neuroscience–ICT convergence. *Biology*. 2023;12(6). doi:10.3390/biology12060840.
- Giansanti D. The Perspective of mhealth in the self-assessment of the parkinson's disease. Comment on Kalafati *et al.* Testing of motor coordination in degenerative neurological diseases. *Healthcare* 2022, 10, 1948. *Healthcare (Switzerland)*. 2023;11(6). doi:10.3390/healthcare11060850.

- Gigante G, Giuliani A. Reconstruction of the temporal correlation network of all-cause mortality fluctuation across Italian Regions: the importance of temperature and among-nodes flux. *Entropy*. 2023;25(1). doi:10.3390/e25010021.
- Gigante G, Giuliani A, Mattia M. A novel network approach to multiscale biological regulation. *Cell Systems*. 2023;14(3):177-179. doi:10.1016/j.cels.2023.02.004.
- Gili A, Caminiti M, Lupi C, Zichichi S, Minicucci I, Pezzotti P, Stracci F, *et al.* Socio-economic factors associated with ethnic disparities in SARS-CoV-2 infection and hospitalization. *International Journal of Environmental Research and Public Health*. 2023;20(15). doi:10.3390/ijerph20156521.
- Giorgi Rossi P, Carrozzi G, Falini P, Sampaolo L, Gorini G, Zorzi M, Mantellini P, *et al.* The impact of the COVID-19 pandemic on Italian population-based cancer screening activities and test coverage: Results from national cross-sectional repeated surveys in 2020. *eLife*. 2023;12. doi:10.7554/eLife.81804.
- Giorgioni L, Ambrosone A, Cometa MF, Salvati AL, Magrelli A. CAR-T State of the art and future challenges, a regulatory perspective. *International Journal of Molecular Sciences*. 2023;24(14). doi:10.3390/ijms241411803.
- Giovanetti M, Cella E, Ivanov I, Grigorova L, Stoikov I, Donchev D, Alexiev I, *et al.* Genomic epidemiology and lineage dynamics of SARS-CoV-2 in Bulgaria: insights from a three-year pandemic analysis. *Viruses*. 2023;15(9). doi:10.3390/v15091924.
- Giovanetti M, Cella E, Moretti S, Scarpa F, Ciccozzi A, Slavov SN, Borsetti A, *et al.* Monitoring monkeypox: safeguarding global health through rapid response and global surveillance. *Pathogens*. 2023;12(9). doi:10.3390/pathogens12091153.
- Giovannini D, De Angelis C, Astorino MD, Fratini E, Cisbani E, Bazzano G, Pazzaglia S, *et al.* In vivo radiobiological investigations with the TOP-IMPLART proton beam on a medulloblastoma mouse model. *International Journal of Molecular Sciences*. 2023;24(9). doi:10.3390/ijms24098281.
- Giufre M, Cardines R, Marra M, Carollo M, Cerquetti M, Stefanelli P. Antibiotic susceptibility and molecular typing of invasive haemophilus influenzae isolates, with emergence of ciprofloxacin resistance, 2017–2021, Italy. *Microorganisms*. 2023;11(2). doi:10.3390/microorganisms11020315.
- Giuliano M, Orlando S, Andreotti M, Mthiko B, Mphwere R, Kavalo T, Floridia M, *et al.* Maternal retention and early infant HIV diagnosis in a prospective cohort study of HIV-positive women and their children in Malawi. *International Journal of STD and AIDS*. 2023;34(1):54-61. doi:10.1177/09564624221136647.
- Giuliano M, Pirillo MF, Orlando S, Luhanga R, Mphwere R, Kavalo T, Floridia M, *et al.* Cytomegalovirus viremia in HIV-exposed and HIV-unexposed infants in Malawi. *Acta Tropica*. 2023;246. doi:10.1016/j.actatropica.2023.106987.
- Giuliano M, Tiple D, Agostoni P, Armocida B, Biardi L, Bonfigli AR, Onder G, *et al.* Italian good practice recommendations on management of persons with Long-COVID. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1122141.
- Giusti F, Martos C, Trama A, Bettio M, Sanvisens A, Audisio R, Van Eycken L, *et al.* Cancer treatment data available in European cancer registries: Where are we and where are we going? *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1109978.
- Giustini M, Luzi I, Spinelli A, Andreozzi S, Bucciarelli M, Buoncristiano M, Nardone P, Ciardullo S. Exploring changes in children's well-being due to COVID-19 restrictions: the Italian EpaS-ISS study. *Italian Journal of Pediatrics*. 2023;49(1). doi:10.1186/s13052-023-01521-9.
- Gjorgieva Ackova D, Maksimova V, Smilkov K, Buttari B, Arese M, Saso L. Alkaloids as natural NRF2 inhibitors: chemoprevention and cytotoxic action in cancer. *Pharmaceuticals*. 2023;16(6). doi:10.3390/ph16060850.
- Golini E, Marinelli S, Pisu S, Angelis FD, Vacca V, Rava A, Mandillo S, *et al.* Wheel running adversely affects disease onset and neuromuscular interplay in amyotrophic lateral sclerosis slow progression mouse model. *Current Neurovascular Research*. 2023;20(3):362-376. doi:10.2174/1567202620666230823095922.
- Golkocheva-Markova E, Ismailova C, Kevorkyan A, Raycheva R, Zhelyazkova S, Kotsev S, Ciccaglione AR, *et al.* Age and gender trends in the prevalence of markers for hepatitis e virus exposure in the heterogeneous Bulgarian population. *Life*. 2023;13(6). doi:10.3390/life13061345.
- Gorini G, Carreras G, Lugo A, Gallus S, Masocco M, Spizzichino L, Minardi V. Electronic cigarette use as an aid to quit smoking: Evidence from PASSI survey, 2014–2021. *Preventive Medicine*. 2023;166. doi:10.1016/j.ypmed.2022.107391.

- Gorla R, Tua L, D'Errigo P, Barbanti M, Biancari F, Tarantini G, Rosato S, *et al.* Incidence and predictors of 30-day and 6-month stroke after TAVR: Insights from the multicenter OBSERVANT II study. *Catheterization and Cardiovascular Interventions*. 2023;102(6):1122-1131. doi:10.1002/ccd.30848.
- Graziano S, Vari MR, Pichini S, Busardò FP, Cassano T, Di Trana A. Hexahydrocannabinol pharmacology, toxicology, and analysis: the first evidence for a recent new psychoactive substance. *Current Neuropharmacology*. 2023;21(12):2424-2430. doi:10.2174/1570159X21666230623104624.
- Grecco A, Macchiaroli N, Pérez MG, Casulli A, Cucher MA, Rosenzvit MC. microRNA silencing in a whole worm cestode model provides insight into miR-71 function. *International Journal for Parasitology*. 2023;53(13):699-710. doi:10.1016/j.ijpara.2023.08.002.
- Greco D. Influenza. *Sustainable Development Goals Series*. 2023;2781:129-132. doi:10.1007/978-3-031-33851-9_19.
- Greco D, Ochola E. Recent pandemics: SARS, MERS, Ebola, and Zika. *Sustainable Development Goals Series*. 2023;2781:133-136. doi:10.1007/978-3-031-33851-9_20.
- Grossi AA, Puoti F, Maggiore U, Cardillo M. Refusal rates to organ donation in intensive care units among immigrant populations in Italy. *Transplant International*. 2023;36. doi:10.3389/ti.2023.11674.
- Grossi AA, Puoti F, Masiero L, Troni A, Cianchi T, Maggiore U, Cardillo M. Inequities in organ donation and transplantation among immigrant populations in Italy: a narrative review of evidence, gaps in research and potential areas for intervention. *Transplant International*. 2023;36. doi:10.3389/ti.2023.11216.
- Guerrieri A, Esposito A, Picardi A, Meldolesi GN. Proposing a natural language processing approach to detect personal meaning organizations linguistic patterns. *2023 IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering, MetroXRINE 2023 – Proceedings*. 2023:966-970. doi:10.1109/MetroXRINE58569.2023.10405582.
- Guerrizio MA, Zito S, Mammarella F, Frulio R, Trotta MP, Da Cas R, Maestri E, Trotta F. Effectiveness of different local actions to control vitamin D prescription in Italy. *Ann Ist Super Sanita*. 2023;59(4):271-279. doi:10.4415/ANN_23_04_06.
- Guzzetta G, Ajelli M, Miglietta A, Fazio C, Neri A, Merler S, Rezza G, Stefanelli P. Evaluating the effect of targeted strategies as control tools for hypervirulent meningococcal C outbreaks: a case study from Tuscany, Italy, 2015 to 2016. *Eurosurveillance*. 2023;28(19). doi:10.2807/1560-7917.ES.2023.28.19.2200650.
- Guzzi PH, di Paola L, Puccio B, Lomoio U, Giuliani A, Veltri P. Computational analysis of the sequence-structure relation in SARS-CoV-2 spike protein using protein contact networks. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-30052-w.
- Haller PM, Goßling A, Magnussen C, Brenner H, Schöttker B, Iacoviello L, Westermann D, *et al.* Biomarker-based prediction of fatal and non-fatal cardiovascular outcomes in individuals with diabetes mellitus. *European Journal of Preventive Cardiology*. 2023;30(12):1218-1226. doi:10.1093/eurjpc/zwad122.
- Hamoudi R, Conti L, Olive D, MacRobert A. Editorial: Understanding the immuno-oncological mechanism of cancer using systems immunology approaches. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1325619.
- Henry NB, Soulama I, Sermé SS, Bolscher JM, Huijs TTG, Coulibaly AS, Bousema T, *et al.* Assessment of the transmission blocking activity of antimalarial compounds by membrane feeding assays using natural *Plasmodium falciparum* gametocyte isolates from West-Africa. *PLoS ONE*. 2023;18(7). doi:10.1371/journal.pone.0284751.
- Hitziger M, Esposito R, Canali M, Aragrande M, Häsler B, Rüegg SR. One Health governance: Knowledge integration in One Health policy formulation, implementation and evaluation. *Integrated approaches to health: A handbook for the evaluation of One Health*. 2023: 228-245. doi:10.3920/9789086868759_009.
- Hoogervorst LA, Geurkink TH, Lübbecke A, Buccheri S, Schoones JW, Torre M, Marang-Van de Mheen PJ, *et al.* Quality and utility of european cardiovascular and orthopaedic registries for the regulatory evaluation of medical device safety and performance across the implant lifecycle: a systematic review. *International Journal of Health Policy and Management*. 2023;12(1). doi:10.34172/ijhpm.2023.7648.
- Ianiro G, Monini M, Ammendolia MG, De Sabato L, Ostanello F, Vaccari G, Di Bartolo I. In vitro replication of swine Hepatitis E Virus (HEV): Production of cell-adapted strains. *Animals*. 2023;13(2). doi:10.3390/ani13020276.
- Ianiro G, Pavoni E, Aprea G, Romantini R, Alborali GL, D'Angelantonio D, Di Bartolo I, *et al.* Cross-sectional study of hepatitis E virus (HEV) circulation in Italian pig farms. *Frontiers in Veterinary Science*. 2023;10. doi:10.3389/fvets.2023.1136225.

- Iera J, Seghieri C, Tavošchi L, Isonne C, Baccolini V, Petrone D, D'Ancona F, *et al.* Early warning systems for emerging profiles of antimicrobial resistance in Italy: A national survey. *International Journal of Environmental Research and Public Health*. 2023;20(9). doi:10.3390/ijerph20095623.
- Imperia E, Bazzani L, Scarpa F, Borsetti A, Petrosillo N, Giovanetti M, Ciccozzi M. Avian influenza: could the H5N1 virus be a potential next threat? *Microbiology Research*. 2023;14(2):635-645. doi:10.3390/microbiolres14020045.
- Incocciati A, Kubeš J, Piacentini R, Cappelletti C, Botta S, Bertuccini L, Bonamore A, *et al.* Hydrophobicity-enhanced ferritin nanoparticles for efficient encapsulation and targeted delivery of hydrophobic drugs to tumor cells. *Protein Science*. 2023;32(12). doi:10.1002/pro.4819.
- Ingelido AM, Abate V, Abballe A, De Filippis SP, Dellatte E, De Luca S, De Felip E, *et al.* Determinants of exposure to polychlorinated biphenyls in the Italian population in the last decades. *Environmental Science and Pollution Research*. 2023;30(16):47012-47024. doi:10.1007/s11356-023-25590-9.
- Ippoliti I, Ancidoni A, Da Cas R, Pierantozzi A, Vanacore N, Trotta F. Anti-dementia drugs: a descriptive study of the prescription pattern in Italy. *Neurological Sciences*. 2023;44(5):1587-1595. doi:10.1007/s10072-022-06586-8.
- Isonne C, Petrone D, Del Manso M, Iera J, Caramia A, Bandini L, D'Ancona F, *et al.* The impact of rotavirus vaccination on discharges for pediatric gastroenteritis in Italy: an eleven year (2009–2019) nationwide analysis. *Vaccines*. 2023;11(6). doi:10.3390/vaccines11061037.
- Jude TC, Beck R, Braghieri A, Cole P, Di Salvo R, Elsner D, Sonnenschein A, *et al.* The BGOOD experiment at ELSA. *Journal of Physics: Conference Series*. 2023;2586(1). doi:10.1088/1742-6596/2586/1/012003.
- Kahnau P, Mieske P, Wilzopolski J, Kalliokoski O, Mandillo S, Hölter SM, Hohlbaum K, *et al.* A systematic review of the development and application of home cage monitoring in laboratory mice and rats. *BMC Biology*. 2023;21(1). doi:10.1186/s12915-023-01751-7.
- Kimassoum D, Ngum NL, Bechir M, Haroun A, Tidjani A, Frazzoli C. Geophagy: A survey on the practice of soil consumption in N'Djamena, Chad. *Journal of Global Health Reports*. 2023;7. doi:10.29392/001c.74955.
- Kiouri DP, Ntallis C, Kelaidonis K, Peana M, Tsiodras S, Mavromoustakos T, Chasapis CT, *et al.* Network-based prediction of side effects of repurposed antihypertensive sartans against COVID-19 via proteome and drug-target interactomes. *Proteomes*. 2023;11(2). doi:10.3390/proteomes11020021.
- Kleinfelder K, Lotti V, Eramo A, Amato F, Lo Cicero S, Castelli G, Sorio C, *et al.* In silico analysis and therotyping of an ultra-rare CFTR genotype (W57G/A234D) in primary human rectal and nasal epithelial cells. *iScience*. 2023;26(11). doi:10.1016/j.isci.2023.108180.
- Klotz C, Schmid MW, Winter K, Ignatius R, Weisz F, Saghaug CS, Aebischer T, *et al.* Highly contiguous genomes of human clinical isolates of *Giardia duodenalis* reveal assemblage- and sub-assemblage-specific presence-absence variation in protein-coding genes. *Microbial Genomics*. 2023;9(3). doi:10.1099/mgen.0.000963.
- Knijn A, Michelacci V, Gigliucci F, Tozzoli R, Chiani P, Minelli F, Morabito S, *et al.* IRIDA-ARIES Genomics, a key player in the One Health surveillance of diseases caused by infectious agents in Italy. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1151568.
- Kohl K, Jude TC, Alef S, Beck R, Braghieri A, Cole PL, Tarakanov V, *et al.* Measurement of the $\gamma n \rightarrow K\Sigma$ differential cross section over the K^* threshold. *European Physical Journal A*. 2023;59(11). doi:10.1140/epja/s10050-023-01133-1.
- Kolkhir P, Grad DA, Charalampous P, Oliveira CC, Mechili EA, Unim B, Haagsma J, *et al.* An EU task force to assess the burden of rare diseases. *Nature Medicine*. 2023;29(3):516-517. doi:10.1038/s41591-023-02207-9.
- Kondili LA, Andreoni M, Aghemo A, Mastroianni CM, Merolla R, Gallinaro V, D'Offizi G, Craxi A. Forecasting the long-term impact of COVID-19 on hepatitis C elimination plans in Italy: A mathematical modelling approach. *Liver International*. 2023;43(12):2615-2624. doi:10.1111/liv.15712.
- Kondili LA, Craxi A. Migrants and hepatitis: A tale of two worlds. *Journal of Viral Hepatitis*. 2023;30(8):634-637. doi:10.1111/jvh.13866.
- Kondili LA, Craxi L, Nava F, Babudieri S, D'Ambrosio R, Marcellusi A, Aghemo A, *et al.* From prioritization to universal treatment: Successes and challenges of Hepatitis C Virus elimination in Italy. *Journal of Infectious Diseases*. 2023;228:S211-S220. doi:10.1093/infdis/jiad038.
- Kondili LA, Quaranta MG, Cavalletto L, Calvaruso V, Ferrigno L, D'Ambrosio R, Vella S, *et al.* Profiling the risk of hepatocellular carcinoma after long-term HCV eradication in patients with liver cirrhosis in the PITER cohort. *Digestive and Liver Disease*. 2023;55(7):907-917. doi:10.1016/j.dld.2023.01.153.

- Kondili LA, Rumi MG, Craxi A. Hospital HCV elimination in addition to universal precautions could reduce incidence and infection burden in Italy. *Journal of Hepatology*. 2023;79(5):e187-e188. doi:10.1016/j.jhep.2023.04.024.
- Koumantakis E, Comoretto RI, Dalmasso P, Bersia M, Lemma P, Lazzeri G, Charrier L, *et al.* Risk behaviors among migrant adolescents in Italy. *Children*. 2023;10(11). doi:10.3390/children10111816.
- Krumova-Valcheva GL, Di Bartolo I, Smith RP, Gyurova E, Mateva G, Milanov M, Daskalov H, *et al.* Detection of HEV RNA using one-step Real-Time RT-PCR in farrow-to-Finish pig farms in Bulgaria. *Pathogens*. 2023;12(5). doi:10.3390/pathogens12050673.
- La Bella G, Basanisi MG, Nobili G, Coppola R, Damato AM, Donatiello A, La Salandra G, *et al.* Evidence of circulation and phylogenetic analysis of Hepatitis E Virus (HEV) in wild boar in South-East Italy. *Viruses*. 2023;15(10). doi:10.3390/v15102021.
- La Maida N, Di Giorgi A, Pellegrini M, Ceccanti M, Caruso S, Ricci G, Pichini S, *et al.* Erratum to reduced prevalence of fetal exposure to alcohol in Italy: a nationwide survey American Journal of Obstetrics & Gynecology MFM. Volume 5, Issue 6, June 2023, 100944 (American Journal of Obstetrics & Gynecology MFM (2023) 5(6), (S258993323000861), (10.1016/j.ajogmf.2023.100944)). *American Journal of Obstetrics and Gynecology MFM*. 2023;5(9). doi:10.1016/j.ajogmf.2023.101059.
- La Rocca C, Tassinari R, Tait S, Carè A, Maranghi F. Sex and gender differences in toxicological studies. *Encyclopedia of Toxicology, Fourth Edition: Volume 1-9*. 2023;8:V8-V8-486. doi:10.1016/B978-0-12-824315-2.00731-4.
- La Rosa G, Brandtner D, Bonanno Ferraro G, Veneri C, Mancini P, Iaconelli M, Anna-Maria P, *et al.* Wastewater surveillance of SARS-CoV-2 variants in October–November 2022 in Italy: detection of XBB.1, BA.2.75 and rapid spread of the BQ.1 lineage. *Science of the Total Environment*. 2023;873. doi:10.1016/j.scitotenv.2023.162339.
- La Rosa G, Mancini P, Veneri C, Ferraro GB, Lucentini L, Iaconelli M, Suffredini E. Detection of monkeypox virus DNA in airport wastewater, Rome, Italy. *Emerging Infectious Diseases*. 2023;29(1):193-196. doi:10.3201/eid2901.221311.
- La Salvia A, Giuffrida D, Modica R. Editorial: Neuroendocrine tumors: the road to precision medicine. *Frontiers in Endocrinology*. 2023;14. doi:10.3389/fendo.2023.1253319.
- La Salvia A, Modica R, Rossi RE, Spada F, Rinziavillo M, Panzuto F, Fazio N, *et al.* Targeting neuroendocrine tumors with octreotide and lanreotide: Key points for clinical practice from NET specialists. *Cancer Treatment Reviews*. 2023;117. doi:10.1016/j.ctrv.2023.102560.
- Lacarbonara F, Di Nitto M, Biagioli V, Durante A, Sollazzo F, Torino F, Vellone E, *et al.* Development and content validity of the Self-Care of Oral Anticancer Agents Index (SCOAII). *Seminars in Oncology Nursing*. 2023;39(3). doi:10.1016/j.soncn.2023.151402.
- Lacchetti I, Carere M, Cristiano W, Mancini L. The role of ecotoxicology in the health impact assessment: an innovative ecosystem approach for the protection of human health in Italy. *Ann Ist Super Sanita*. 2023;59(1):51-55. doi:10.4415/ANN_23_01_08.
- Lalle M, Cacciò SM. Giardiasis from a one health perspective. *Zoonoses: Infections Affecting Humans and Animals*. 2023;1285-1311. doi:10.1007/978-3-031-27164-9_33.
- Lanni A, Iacobino A, Fattorini L, Giannoni F. Eradication of drug-tolerant Mycobacterium tuberculosis 2022: where we stand. *Microorganisms*. 2023;11(6). doi:10.3390/microorganisms11061511.
- Latina R, Varrassi G, Di Biagio E, Giannarelli D, Gravante F, Paladini A, De Marinis MG, *et al.* Chronic non-cancer pain management in a tertiary pain clinic network: a retrospective study. *Pain and Therapy*. 2023;12(1):151-164. doi:10.1007/s40122-022-00446-1.
- Lauterio A, Cillo U, Spada M, Trapani S, De Carlis R, Bottino G, Andorno E, *et al.* Improving outcomes of in situ split liver transplantation in Italy over the last 25 years. *Journal of Hepatology*. 2023;79(6):1459-1468. doi:10.1016/j.jhep.2023.07.009.
- Lazzarini E, Silvestris DA, Benvenuto G, Osti D, Fattore L, Paterra R, Indraccolo S, *et al.* Genome-wide profiling of patient-derived glioblastoma stem-like cells reveals recurrent genetic and transcriptomic signatures associated with brain tumors. *Journal of Neuro-Oncology*. 2023;163(1):47-59. doi:10.1007/s11060-023-04287-6.
- Lazzeri G, Ciardullo S, Spinelli A, Pierannunzio D, Dzielska A, Kelly C, Nardone P, *et al.* The correlation between adolescent daily breakfast consumption and socio-demographic: trends in 23 European Countries participating in the health behaviour in school-aged children study (2002–2018). *Nutrients*. 2023;15(11). doi:10.3390/nu15112453.

- Leese E, Jones K, Bocca B, Bousoumah R, Castaño A, Galea KS, van Dael M, *et al.* HBM4EU chromates study – the measurement of hexavalent and trivalent chromium in exhaled breath condensate samples from occupationally exposed workers across Europe. *Toxicology Letters*. 2023;375:59-68. doi:10.1016/j.toxlet.2022.12.009.
- Leinert C, Fotteler M, Kocar TD, Dallmeier D, Kestler HA, Wolf D, Denking M, *et al.* Supporting SURgery with GEriatric Co- Management and AI (SURGE-Ahead): A study protocol for the development of a digital geriatrician. *PLoS ONE*. 2023;18(6). doi:10.1371/journal.pone.0287230.
- Lenti MV, Aronico N, Bianchi PI, D'Agate CC, Neri M, Volta U, Di Sabatino A, *et al.* Diagnostic delay in adult coeliac disease: An Italian multicentre study. *Digestive and Liver Disease*. 2023;55(6):743-750. doi:10.1016/j.dld.2022.11.021.
- Leoni C, Majorani C, Cresti R, Marcello I, Berardi E, Fava L, Attias L, D'Ilio S. Determination and risk assessment of phthalates in face masks. An Italian study. *Journal of Hazardous Materials*. 2023;443. doi:10.1016/j.jhazmat.2022.130176.
- Leoni C, Viscogliosi G, Onesimo R, Verdolotti T, Biagini T, Mazza T, Zampino G, *et al.* Further case of enlarged spinal nerve roots in KRAS-related Noonan syndrome. *Clinical Genetics*. 2023;104(1):136-138. doi:10.1111/cge.14308.
- L'Episcopia M, Doderer-Lang C, Perrotti E, Priuli GB, Cavallari S, Guidetti C, Severini C, *et al.* Polymorphism analysis of drug resistance markers in Plasmodium falciparum isolates from Benin. *Acta Tropica*. 2023;245. doi:10.1016/j.actatropica.2023.106975.
- Leseva MN, Buttari B, Saso L, Dimitrova PA. Infection meets inflammation: N6-Methyladenosine, an internal messenger RNA modification as a tool for pharmacological regulation of host–pathogen interactions. *Biomolecules*. 2023;13(7). doi:10.3390/biom13071060.
- Leso V, Battistini B, Vetrani I, Reppuccia L, Fedele M, Ruggieri F, Bocca B, Iavicoli I. The endocrine disrupting effects of nanoplastic exposure: A systematic review. *Toxicology and Industrial Health*. 2023;39(11):613-629. doi:10.1177/07482337231203053.
- Li Puma DD, Colussi C, Bandiera B, Puliatti G, Rinaudo M, Cocco S, Grassi C, *et al.* Interleukin 1 β triggers synaptic and memory deficits in Herpes simplex virus type-1-infected mice by downregulating the expression of synaptic plasticity-related genes via the epigenetic MeCP2/HDAC4 complex. *Cellular and Molecular Life Sciences*. 2023;80(6). doi:10.1007/s00018-023-04817-5.
- Li TY, de Girolamo G, Zamparini M, Malvezzi M, Candini V, Calamandrei G, Götz FM, *et al.* Openness buffers the impact of Belief in Conspiracy Theories on COVID-19 vaccine hesitancy: Evidence from a large, representative Italian sample. *Personality and Individual Differences*. 2023;208. doi:10.1016/j.paid.2023.112189.
- Licata L, Via A, Turina P, Babbi G, Benevenuta S, Carta C, Capriotti E, *et al.* Resources and tools for rare disease variant interpretation. *Frontiers in Molecular Biosciences*. 2023;10. doi:10.3389/fmolb.2023.1169109.
- Linkevicius M, Bonnin RA, Alm E, Svartstrom O, Apfalter P, Hartl R, Kohlenberg A, *et al.* Rapid cross-border emergence of NDM-5-producing Escherichia coli in the European Union/European Economic Area, 2012 to June 2022. *Eurosurveillance*. 2023;28(19). doi:10.2807/1560-7917.ES.2023.28.19.2300209.
- Lintas C, Facchiano A, Azzarà A, Cassano I, Tabolacci C, Galasso C, Gurrieri F. Deletion of a single lysine residue at position 292 of CAMK2A disrupts protein function, causing severe epileptic encephalopathy and intellectual disability. *Genes*. 2023;14(7). doi:10.3390/genes14071353.
- Lista F, Peragallo MS, Biselli R, De Santis R, Mariotti S, Nisini R, D'Amelio R. Have diagnostics, therapies, and vaccines made the difference in the pandemic evolution of COVID-19 in comparison with “Spanish Flu”? *Pathogens*. 2023;12(7). doi:10.3390/pathogens12070868.
- Liutsko L, Oughton D, Tomkiv Y, Fattibene P, Monaca SD, Nuccetelli C, Cardis E, *et al.* Resilience after a nuclear accident: readiness in using mobile phone applications to measure radiation and health indicators in various groups (SHAMISEN SINGS project). *Journal of Radiological Protection*. 2023;43(4). doi:10.1088/1361-6498/ad115a.
- Lo Cicero S, Castelli G, Blaonà G, Bruno Sabina M, Sette G, Pigliucci R, Eramo A, *et al.* L1077P CFTR pathogenic variant function rescue by Elexacaftor–Tezacaftor–Ivacaftor in cystic fibrosis patient-derived air–liquid interface (ALI) cultures and organoids: in vitro guided personalized therapy of non-F508del patients. *Respiratory Research*. 2023;24(1). doi:10.1186/s12931-023-02516-0.
- Lo Cicero S, Castelli G, Blaonà G, Bruno SM, Sette G, Pigliucci R, Eramo A, *et al.* Correction to: L1077P CFTR pathogenic variant function rescue by Elexacaftor–Tezacaftor–Ivacaftor in cystic fibrosis patient-derived air–liquid interface (ALI) cultures and organoids: in vitro guided personalized therapy of non-F508del patients (Respiratory

- Research, (2023), 24, 1, (217), 10.1186/s12931-023-02516-0). *Respiratory Research*. 2023;24(1). doi:10.1186/s12931-023-02535-x.
- Lo Faro AF, Berardinelli D, Cassano T, Dendramis G, Montanari E, Montana A, Huestis MA, *et al*. New psychoactive substances intoxications and fatalities during the COVID-19 epidemic. *Biology*. 2023;12(2). doi:10.3390/biology12020273.
- Lo Faro AF, Sprega G, Berardinelli D, Tini A, Poyatos L, Pichini S, Chankvetadze B, *et al*. Development of enantioselective high-performance liquid chromatography-tandem mass spectrometry method for quantitative determination of methylone and some of its metabolites in oral fluid. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*. 2023;1228. doi:10.1016/j.jchromb.2023.123824.
- Lo Moro G, Leombruni P, Bert F, Siliquini R, Corradi A, Gualano MR, Casuccio A, *et al*. Mental health of medical students belonging to sexual minorities: A focus on help-seeking behavior in an Italian multicenter survey. *Current Psychology*. 2023;42(6):4336-4340. doi:10.1007/s12144-021-01541-w.
- Lo Presti A, Carannante A, Fazio C, Neri A, Vacca P, Ambrosio L, Stefanelli P, *et al*. FHbp variants among meningococci of serogroup B in Italy: Evolution and selective pressure, 2014–2017. *PLoS ONE*. 2023;18(2). doi:10.1371/journal.pone.0277976.
- Lo Presti A, Del Chierico F, Altomare A, Zorzi F, Monteleone G, Putignani L, Ciccozzi M, *et al*. Phylogenetic analysis of Prevotella copri from fecal and mucosal microbiota of IBS and IBD patients. *Therapeutic Advances in Gastroenterology*. 2023;16. doi:10.1177/17562848221136328.
- Lo Presti A, Di Martino A, Ambrosio L, De Sabato L, Knijn A, Vaccari G, Stefanelli P, *et al*. Tracking the selective pressure profile and gene flow of SARS-CoV-2 Delta variant in Italy from April to October 2021 and frequencies of key mutations from three representative Italian Regions. *Microorganisms*. 2023;11(11). doi:10.3390/microorganisms11112644.
- Logozzi M, Orefice NS, Di Raimo R, Mizzone D, Fais S. The importance of detecting, quantifying, and characterizing exosomes as a new diagnostic/prognostic approach for tumor patients. *Cancers*. 2023;15(11). doi:10.3390/cancers15112878.
- Lohrmann F, Hufnagel M, Kunze M, Afshar B, Creti R, Detcheva A, Grandi G, *et al*. Neonatal invasive disease caused by Streptococcus agalactiae in Europe: the DEVANI multi-center study. *Infection*. 2023;51(4):981-991. doi:10.1007/s15010-022-01965-x.
- Lombardi A, Voli A, Mancusi A, Girardi S, Proroga YTR, Pierri B, Tosco A, *et al*. SARS-CoV-2 RNA in wastewater and bivalve mollusk samples of Campania, Southern Italy. *Viruses*. 2023;15(8). doi:10.3390/v15081777.
- Lombardo FL, Alegiani SS, Mayer F, Cipriani M, Lo Giudice M, Ludolph AC, Ni Obáin N, *et al*. A randomized double-blind clinical trial on safety and efficacy of tauroursodeoxycholic acid (TUDCA) as add-on treatment in patients affected by amyotrophic lateral sclerosis (ALS): the statistical analysis plan of TUDCA-ALS trial. *Trials*. 2023;24(1). doi:10.1186/s13063-023-07638-w.
- Longo B, Fazio C, Meini S, Neri A, Andreoli E, Vacca P, Stefanelli P, *et al*. Primary septic arthritis of the knee caused by Neisseria meningitidis serogroup B in an elderly patient. Case report and review of the literature. *Infection*. 2023;51(2):499-506. doi:10.1007/s15010-022-01928-2.
- Longo B, Pomahac B, Giacalone M, Cardillo M, Cervelli V. 18 years of face transplantation: adverse outcomes and challenges. *Journal of Plastic, Reconstructive and Aesthetic Surgery*. 2023;87:187-199. doi:10.1016/j.bjps.2023.09.043.
- Lopez AJ, Andreadaki M, Vahokoski J, Deligianni E, Calder LJ, Camerini S, Kursula I, *et al*. Structure and function of Plasmodium actin II in the parasite mosquito stages. *PLoS Pathogens*. 2023;19(3). doi:10.1371/journal.ppat.1011174.
- López-Ureña N-M, Calero-Bernal R, Koudela B, Cherchi S, Possenti A, Tosini F, Álvarez-García G, *et al*. Limited value of current and new in silico predicted oocyst-specific proteins of Toxoplasma gondii for source-attributing serology. *Frontiers in Parasitology*. 2023;2. doi:10.3389/fpara.2023.1292322.
- Loro A, Borg MB, Battaglia M, Amico AP, Antenucci R, Benanti P, Baricich A, *et al*. Balance rehabilitation through robot-assisted gait training in post-stroke patients: a systematic review and meta-analysis. *Brain Sciences*. 2023;13(1). doi:10.3390/brainsci13010092.
- Lucchetti D, Luongo F, Colella F, Gurreri E, Artemi G, Desiderio C, Fiori ME, *et al*. Exploiting bioactive natural products of marine origin: Evaluation of the meroterpenoid metachromin V as a novel potential therapeutic drug for colorectal cancer. *Biomedicine and Pharmacotherapy*. 2023;162. doi:10.1016/j.biopha.2023.114679.

- Luzi AM, Colucci A, Gallo P, De Mei B, Mastrobattista L, De Santis M, Gallo C, *et al.* The communicative-relational operating model of the Italian national institute of health for an effective telephone intervention in public health, structured on basic counselling skills. *Annali di Igiene Medicina Preventiva e di Comunità*. 2023;35(4):379-402. doi:10.7416/ai.2023.2555.
- Macchia I, La Sorsa V, Urbani F, Moretti S, Antonucci C, Afferni C, Schiavoni G. Eosinophils as potential biomarkers in respiratory viral infections. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1170035.
- Maceroni M, Monforte M, Cariola R, Falsini B, Rizzo S, Savastano MC, Minnella AM, *et al.* Artificial intelligence for evaluation of retinal vasculopathy in facioscapulohumeral dystrophy using OCT angiography: A case series. *Diagnostics*. 2023;13(5). doi:10.3390/diagnostics13050982.
- Maggini V, Crescioli G, Ippoliti I, Gallo E, Menniti-Ippolito F, Chiaravalloti A, Firenzuoli F, *et al.* Safety profile of vitamin D in Italy: an analysis of spontaneous reports of adverse reactions related to drugs and food supplements. *Journal of Clinical Medicine*. 2023;12(14). doi:10.3390/jcm12144726.
- Maggiorella MT, Sernicola L, Picconi O, Pizzi E, Belli R, Fulgenzi D, Buttò S, *et al.* Epidemiological and molecular characterization of HBV and HCV infections in HIV-1-infected inmate population in Italy: a 2017–2019 multicenter cross-sectional study. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-41814-x.
- Magnani C, Mensi C, Binazzi A, Marsili D, Grosso F, Ramos-Bonilla JP, Marinaccio A, *et al.* The Italian experience in the development of mesothelioma registries: a pathway for other countries to address the negative legacy of asbestos. *International Journal of Environmental Research and Public Health*. 2023;20(2). doi:10.3390/ijerph20020936.
- Magnussen C, Ojeda FM, Leong DP, Alegre-Diaz J, Amouyel P, Aviles-Santa L, Blankenberg S, *et al.* Global effect of modifiable risk factors on cardiovascular disease and mortality. *New England Journal of Medicine*. 2023;389(14):1273-1285. doi:10.1056/NEJMoa2206916.
- Magurano F, Micucci M, Nuzzo D, Baggieri M, Picone P, Gioacchini S, D'Auria M, *et al.* A potential host and virus targeting tool against COVID-19: Chemical characterization, antiviral, cytoprotective, antioxidant, respiratory smooth muscle relaxant effects of *Paulownia tomentosa* Steud. *Biomedicine and Pharmacotherapy*. 2023;158. doi:10.1016/j.biopha.2022.114083.
- Mathesh S, Li J, Travieso T, Psaradelli D, Negri D, Klotman M, Cara A, Blasi M. Integrase defective lentiviral vector promoter impacts transgene expression in target cells and magnitude of vector-induced immune responses. *Viruses*. 2023;15(11). doi:10.3390/v15112255.
- Maida CM, Tramuto F, Giammanco GM, Palermo R, Priano W, De Grazia S, Mazzucco W, *et al.* Wastewater-based epidemiology as a tool to detect SARS-CoV-2 circulation at the community level: findings from a one-year wastewater investigation conducted in Sicily, Italy. *Pathogens*. 2023;12(6). doi:10.3390/pathogens12060748.
- Maisonneuve E, de Bruin O, Favre G, Goncé A, Donati S, Engjom H, Panchaud A, *et al.* Evolution of national guidelines on medicines used to treat COVID-19 in pregnancy in 2020–2022: A Scoping Review. *Journal of Clinical Medicine*. 2023;12(13). doi:10.3390/jcm12134519.
- Maisto N, Mango D, Bettucci A, Barbato G, Ammendolia MG, Rinaldi F, Carafa M, *et al.* FUS and surfactant-based nanocarriers: a combined strategy for nose to brain drug delivery. *Journal of Drug Delivery Science and Technology*. 2023;90. doi:10.1016/j.jddst.2023.104977.
- Malaca S, Pesares M, Kapoor A, Berretta P, Busardò FP, Pirani F. Pharmacology and toxicology of xylazine: quid novum? *European Review for Medical and Pharmacological Sciences*. 2023;27(15):7337-7345. doi:10.26355/eurev_202308_33305.
- Malara A, Noale M, Trevisan C, Abbatecola AM, Borselli G, Cafariello C, Onder G, *et al.* Efficacy of COVID-19 control measures on post-vaccination outbreak in Italian long term care facilities: Implications for policies. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1091974.
- Mallozzi C, Peponi R, Gaddini L, Casella I, Chiodi V, Popoli P, Domenici MR. Functional interaction between adenosine A2A and mGlu5 receptors mediates STEP Phosphatase activation and promotes STEP/mGlu5R binding in mouse hippocampus and neuroblastoma cell line. *Biomolecules*. 2023;13(9). doi:10.3390/biom13091350.
- Maltar-Strmečki N, Bortolin E, Kenzhina L, Patrono C, Testa A. Editorial: Developing novel materials and new techniques of biological and physical retrospective dosimetry for affected individuals in radiological and nuclear emergencies. *Frontiers in Public Health*. 2023;10. doi:10.3389/fpubh.2022.1117269.
- Mammone FR, Rotundo P, Ferretti R, Puxeddu M, Silvestri R, Cirilli R. Chemo- and enantio-selective reversed-phase HPLC analysis of rosuvastatin using a cellulose-based chiral stationary phase in gradient elution mode. *Journal of Pharmaceutical and Biomedical Analysis*. 2023;225. doi:10.1016/j.jpba.2023.115239.

- Mammone FR, Zanitti L, Puxeddu M, La Regina G, Silvestri R, Borioni A, Cirilli R. A novel validated UHPLC method for the estimation of Rosuvastatin and its complete impurity profile in tablet formulations. *Molecules*. 2023;28(1). doi:10.3390/molecules28010431.
- Mancini-Terracciano C, Ambrosino A, Campana L, Cassano B, Collamati F, Faccini R, Solfaroli Camillocci E, *et al*. Experimental validation of an innovative approach in biokinetics study for personalised dosimetry of molecular radiation therapy treatments. *Physics in Medicine and Biology*. 2023;68(19). doi:10.1088/1361-6560/acf910.
- Mancuso E, Di Domenico M, Di Gialleonardo L, Menegon M, Toma L, Di Luca M, Monaco F, *et al*. Tick species diversity and molecular identification of spotted fever group Rickettsiae collected from migratory birds arriving from Africa. *Microorganisms*. 2023;11(8). doi:10.3390/microorganisms11082036.
- Mancuso M, Bulzoni R, Mannisi M, Martelli F, Giacomozzi C. 3D-printed insoles for people with type 2 diabetes: An Italian, ambulatory case report on the innovative care model. *Diabetology*. 2023;4(3):339-355. doi:10.3390/diabetology4030029.
- Mandolesi S, Niglio T, d'Alessandro A, Fabiani SS, Siqueira T, Lenci C. Improvements in one severe progressive multiple sclerosis patient quality of life after an intensity fluid dynamic treatment. *Clinica Terapeutica*. 2023;174(3):224-230. doi:10.7417/CT.2023.2524.
- Manfredi F, Chiozzini C, Ferrantelli F, Leone P, Pugliese K, Spada M, Federico M, *et al*. Antiviral effect of SARS-CoV-2 N-specific CD8⁺ T cells induced in lungs by engineered extracellular vesicles. *npj Vaccines*. 2023;8(1). doi:10.1038/s41541-023-00686-y.
- Manganelli M, Testai E, Tazart Z, Scardala S, Codd GA. Co-occurrence of taste and odor compounds and cyanotoxins in cyanobacterial blooms: Emerging risks to human health? *Microorganisms*. 2023;11(4). doi:10.3390/microorganisms11040872.
- Mangano VD, Campani D, Cacciato Insilla A, Coco B, Gomez Morales MA, Brunetto M, Bruschi F, *et al*. An unexpected case of *Opisthorchis felinus* infection revealed during liver transplantation. *Pathogens*. 2023;12(8). doi:10.3390/pathogens12081003.
- Manica M, Litvinova M, De Bellis A, Guzzetta G, Mancuso P, Vicentini M, Merler S, *et al*. Estimation of the incubation period and generation time of SARS-CoV-2 Alpha and Delta variants from contact tracing data. *Epidemiology and Infection*. 2023;151. doi:10.1017/S0950268822001947.
- Manno V, Maraschini A, Conti S, Minelli G. The hospitalization risk profile of opioids users. *Evaluating the Impact of Laws Regulating Illicit Drugs on Health and Society*. 2023:63-75. doi:10.2174/9789815079241123010008.
- Mantovani A, Baldi F. Environmental advocacy (Non US). *Encyclopedia of Toxicology, Fourth Edition: Volume 1-9*. 2023;4:V4-V4-156. doi:10.1016/B978-0-12-824315-2.00073-7.
- Mantovani A, Taruscio D. Nutrition, food safety and human reproductive and developmental health. *Reproductive Toxicology*. 2023;120. doi:10.1016/j.reprotox.2023.108423.
- Manzi S, Nelli L, Fortuna C, Severini F, Toma L, Di Luca M, Pombi M, *et al*. A modified BG-Sentinel trap equipped with FTA card as a novel tool for mosquito-borne disease surveillance: a field test for flavivirus detection. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-39857-1.
- Marano G, Da Cas R, Pierantozzi A, Ippoliti I, Cangini A, Menniti-Ippolito F, Trotta F. A preliminary analysis of luspatercept use and expenditure in Italy in the first semester of 2022. *Ann Ist Super Sanita*. 2023;59(2):99-100. doi:10.4415/ANN_23_02_01.
- Marano G, da Cas R, Zito S, Ippoliti I, Cangini A, Pierantozzi A, Fortinguerra F, *et al*. Strategie terapeutiche per il trattamento delle malattie emorragiche congenite. *Recenti Progressi in Medicina*. 2023;114(5):258-267. doi:10.1701/4032.40074.
- Marano G, da Cas R, Zito S, Ippoliti I, Fortinguerra F, Pierantozzi A, Cangini A, *et al*. Terapia dell'emofilia A: spesa e consumo per l'anno 2022 e scenari di spesa futura. *Recenti Progressi in Medicina*. 2023;114(5):268-276. doi:10.1701/4032.40075.
- Marascio N, Cilburunoglu M, Torun EG, Centofanti F, Mataj E, Equestre M, Yalcinkaya KT, *et al*. Molecular characterization and cluster analysis of SARS-CoV-2 viral isolates in Kahramanmaraş City, Turkey: The Delta VOC wave within one month. *Viruses*. 2023;15(3). doi:10.3390/v15030802.
- Marceca M, Fara GM, Giammanco G, Signorelli C, Vitale F, Declich S, Sabato M, *et al*. The Erice 58 Charter on 'The health of migrants. An equity challenge for the public health system'. *Annali di Igiene Medicina Preventiva e di Comunità*. 2023;35(6):707-714. doi:10.7416/ai.2023.2577.

- Marcheggiani S, Puccinelli C, Chiudioni F, Mancini L. COVID-19 lockdown pandemic period effects in highly impacted aquatic ecosystems. *Environmental Toxicology and Chemistry*. 2023;42(5):966-977. doi:10.1002/etc.5551.
- Marchei E, Gomez-Ruiz L-M, Acosta-López A, Ramos-Gutiérrez R-Y, Varela-Busaka M-B, Lombroni C, Garcia-Algar O, *et al.* Assessment of alcohol consumption in mexican pregnant women by hair testing of ethyl glucuronide. *Alcohol*. 2023;111:59-65. doi:10.1016/j.alcohol.2023.06.001.
- Marchetti A, Facchinetti G, Petrucci G, Piredda M, Mastroianni C, Artico M, D'angelo D, De Marinis MG. Nurses experience with body care among palliative care patients: A phenomenological study. *International Journal of Palliative Nursing*. 2023;29(12):579-587. doi:10.12968/ijpn.2023.29.12.579.
- Marchetti F, Preziosi J, Zambri F, Tambascia G, Di Nolfi A, Scardetta P, Giusti A, *et al.* Health needs and perception of health care quality among Asylum Seekers and Refugees in an Italian local health authority: A qualitative study. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1125125.
- Marchetti M, De Berardis B, Bigioni I, Mariano A, Superti F, Scotto d'Abusco A. In Vitro antiviral and anti-inflammatory activities of n-acetylglucosamine: Development of an alternative and safe approach to fight viral respiratory infections. *International Journal of Molecular Sciences*. 2023;24(6). doi:10.3390/ijms24065129.
- Marcon F, Bignami M, Karran P. Mutation and aging: news from the pool. *Aging*. 2023;15(11):4566-4567. doi:10.18632/aging.204779.
- Marcon F, Salemi M, D'Ippolito C, Picardi A, Toccaceli V, Nisticò L, Fagnani C, *et al.* Investigating genetic and environmental substrates of the relationship between positive mental health and biological aging—A study protocol. *Brain Sciences*. 2023;13(12). doi:10.3390/brainsci13121720.
- Marengoni A, Cangini A, Pierantozzi A, Onder G, Da Cas R, Ippoliti I, Zito S, Trotta F. Reply to the letter "Paracetamol: should we hide it within the NSAID category to dismiss its real infodemiology analysis?" *Aging Clinical and Experimental Research*. 2023;35(4). doi:10.1007/s40520-023-02379-x.
- Marengoni A, Cangini A, Pierantozzi A, Onder G, Da Cas R, Ippoliti I, Marconi E, *et al.* Impact of COVID-19 pandemic on medication use in the older Italian population. *Aging Clinical and Experimental Research*. 2023;35(2):443-453. doi:10.1007/s40520-022-02303-9.
- Margani V, Pascucci S, Talamonti R, Serani E, Bini F, Marinozzi F, Barbara M, *et al.* Augmented virtual reality in vestibular assessment: A dynamic gait application. *Audiology and Neurotology*. 2023;28(4):308-316. doi:10.1159/000529993.
- Marianelli C, Verrubbi V, Pruiti Ciarello F, Ippolito D, Pacciarini ML, Di Marco Lo Presti V. Geo-epidemiology of animal tuberculosis and *Mycobacterium bovis* genotypes in livestock in a small, high-incidence area in Sicily, Italy. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1107396.
- Mariano A, Bigioni I, Marchetti M, Scotto d'Abusco A, Superti F. Repositioned natural compounds and nanoformulations: A promising combination to counteract cell damage and inflammation in respiratory viral infections. *Molecules*. 2023;28(10). doi:10.3390/molecules28104045.
- Marin A-M, Mederle O-A, Marucci G, Popovici D-C, Mederle N. First identification and molecular characterization of *Trichinella britovi* (Nematoda: Trichinellidae) from the pine marten (*Martes martes* Linnaeus, 1758) in Romania. *Microorganisms*. 2023;11(9). doi:10.3390/microorganisms11092339.
- Marinaccio L, Zengin G, Pieretti S, Minosi P, Szucs E, Benyhe S, Mollica A, *et al.* Food-inspired peptides from spinach Rubisco endowed with antioxidant, antinociceptive and anti-inflammatory properties. *Food Chemistry: X*. 2023;18. doi:10.1016/j.fochx.2023.100640.
- Mariotti S, Chiantore MV, Teloni R, Iacobino A, Capocéfalo A, Michelini Z, Nisini R, *et al.* New monoclonal antibodies specific for different epitopes of the spike protein of SARS-CoV-2 and its major variants: Additional tools for a more specific COVID-19 diagnosis. *Biomedicines*. 2023;11(2). doi:10.3390/biomedicines11020610.
- Mariotto AB, Botta L, Bernasconi A, Zou Z, Gatta G, Capocaccia R. Prediction of risk of metastatic recurrence for female breast cancer patients in the presence of competing causes of death. *Cancer Epidemiology Biomarkers and Prevention*. 2023;32(12):1683-1689. doi:10.1158/1055-9965.EPI-23-0544.
- Marra V, Valentini S, Abballe A, De Luca S, Ferri F, Fulgenzi AR, De Felip E, *et al.* Organochlorinated pesticides in Italian women of reproductive age: Serum levels and determinants of exposure. *Hygiene and Environmental Health Advances*. 2023;6. doi:10.1016/j.heha.2023.100053.

- Marsili D, Iavarone I, Pasetto R, Soggiu ME, Fazzo L, Minelli G, Zona A, *et al.* The concept map of SENTIERI Project: a communication interactive digital tool of the national epidemiological surveillance system of Italian contaminated sites. *Epidemiologia e Prevenzione*. 2023;47(1-2):385-391. doi:10.19191/EP23.1-2-S1.011.
- Marsili D, Pasetto R, Iavarone I. Environmental public health communication to engage stakeholders and foster social capacity in poorly involved communities living in industrial contaminated sites: the case study of Porto Torres (Italy). *Frontiers in Communication*. 2023;8. doi:10.3389/fcomm.2023.1217427.
- Marsili G, Acchioni C, Remoli AL, Amatore D, Sgarbanti R, De Angelis M, Sgarbanti M, *et al.* Identification of anti-influenza A compounds inhibiting the viral non-structural protein 1 (NS1) using a type I interferon-driven screening strategy. *International Journal of Molecular Sciences*. 2023;24(13). doi:10.3390/ijms241310495.
- Martellone L, Brancaleone E, Mattei D, Fuscoletti V, Lucentini L, Favero G, Gruppo Nazionale di Lavoro Microplastiche. Microplastics in drinking water: Italian National Working Group and analytical methods. *Springer Water*. 2023;1637:141-148. doi:10.1007/978-3-031-34455-8_20.
- Martinelli D, Quattrone F, Fortunato F, Maggio ED, Filia A, Rota MC, Lopalco PL, Prato R. Role of the national Immunisation Technical Advisory Groups in 13 European countries in the decision-making process on vaccine recommendations. *Eurosurveillance*. 2023;28(43). doi:10.2807/1560-7917.ES.2023.28.43.2300131.
- Martini S, Saracco M, Cocchis D, Pittaluga F, Lavezzo B, Barisone F, Romagnoli R, *et al.* Favorable experience of transplant strategy including liver grafts from COVID-19 donors: One-year follow-up results. *Transplant Infectious Disease*. 2023;25(5). doi:10.1111/tid.14126.
- Martino F, Martino E, Albanese CV, Paravati V, Niglio T, Zanoni C, Puddu PE. The abnormal ratio of android-gynoid fat, measured by dual-energy X-Ray absorptiometry (DEXA) scans, is moderately useful for diagnosing metabolic syndrome in children and adolescents. *Journal of Clinical Densitometry*. 2023;26(1):16-22. doi:10.1016/j.jocd.2022.10.001.
- Martuzzi M. Preface. *Epidemiologia e Prevenzione*. 2023;47(1-2):7-8.
- Marziano V, Guzzetta G, Menegale F, Sacco C, Petrone D, Mateo Urdiales A, Merler S, *et al.* Estimating SARS-CoV-2 infections and associated changes in COVID-19 severity and fatality. *Influenza and other Respiratory Viruses*. 2023;17(8). doi:10.1111/irv.13181.
- Marziliano M, Zoratto F, Alleva E. Using videos from social media to study the begging behaviour of peregrine falcon (*Falco peregrinus*) nestlings. *Rendiconti Lincei*. 2023;34(1). doi:217-225 10.1007/s12210-022-01129-x.
- Mascarenhas J, Migliaccio AR, Kosiorek H Bhawe R, Palmer J, Kuykendall A, Mesa R, Hoffman R, *et al.* A Phase Ib trial of AVID200, a TGF β 1/3 Trap, in patients with myelofibrosis. *Clinical Cancer Research*. 2023;29(18):3622-3632. doi:10.1158/1078-0432.CCR-23-0276.
- Masi I, Ottavi F, Del Rio D, Caprara V, Vastarelli C, Giannitelli SM, Rosanò L, *et al.* The interaction of β -arrestin1 with talin1 driven by endothelin A receptor as a feature of α 5 β 1 integrin activation in high-grade serous ovarian cancer. *Cell Death and Disease*. 2023;14(1). doi:10.1038/s41419-023-05612-7.
- Masiello F, Pati I, Veropalumbo E, Pupella S, Cruciani M, De Angelis V. Ultrasound-guided injection of platelet-rich plasma for tendinopathies: a systematic review and meta-analysis. *Blood Transfusion*. 2023;21(2):119-136. doi:10.2450/2022.0087-22.
- Masone A, Zucchelli C, Caruso E, Lavigna G, Eraña H, Giachin G, Chiesa R, *et al.* A tetracationic porphyrin with dual anti-prion activity. *iScience*. 2023;26(9). doi:10.1016/j.isci.2023.107480.
- Mastrososa I, Del Duca G, Pinnetti C, Lorenzini P, Vergori A, Brita AC, Antinori A, *et al.* What is the impact of post-COVID-19 syndrome on health-related quality of life and associated factors: a cross-sectional analysis. *Health and Quality of Life Outcomes*. 2023;21(1). doi:10.1186/s12955-023-02107-z.
- Mastrososa I, Gagliardini R, Mondì A, Lorenzini P, Cerva C, Vergori A, Vitale P, *et al.* Sarilumab plus standard of care vs standard of care for the treatment of severe COVID-19: a phase 3, randomized, open-labeled, multi-center study (ESCAPE study). *eClinicalMedicine*. 2023;57. doi:10.1016/j.eclinm.2023.101895.
- Mastrososa I, Pinnetti C, Brita AC, Mondì A, Lorenzini P, Del Duca G, Antinori A, *et al.* Declining prevalence of human immunodeficiency virus (HIV)-associated neurocognitive disorders in recent years and associated Factors in a large cohort of antiretroviral therapy-treated individuals with HIV. *Clinical Infectious Diseases*. 2023;76(3):E629-E637. doi:10.1093/cid/ciac658.
- Masucci C, Pepe S, La Rocca U, Zullino V, De Propriis MS, Barberi W, Di Rocco A, *et al.* Case report: Severe cutaneous adverse event associated with checkpoint inhibition in the setting of CAR T-cell therapy: beyond CRS. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1171031.

- Matarrese P, Maccari S, Gambardella L, Vona R, Barbagallo F, Vezzi V, Ambrosio C, *et al.* Benzodiazepine diazepam regulates cell surface β 1-adrenergic receptor density in human monocytes. *European Journal of Pharmacology*. 2023;948. doi:10.1016/j.ejphar.2023.175700.
- Matarrese P, Vona R, Ascione B, Cittadini C, Tocci A, Mileo AM. Tumor microenvironmental cytokines drive NSCLC cell aggressiveness and drug-resistance via YAP-mediated autophagy. *Cells*. 2023;12(7). doi:10.3390/cells12071048.
- Mateo-Urdiales A, Sacco C, Fotakis EA, Del Manso M, Bella A, Riccardo F, Fabiani M, *et al.* Relative effectiveness of monovalent and bivalent mRNA boosters in preventing severe COVID-19 due to omicron BA.5 infection up to 4 months post-administration in people aged 60 years or older in Italy: a retrospective matched cohort study. *The Lancet Infectious Diseases*. 2023;23(12):1349-1359. doi:10.1016/S1473-3099(23)00374-2.
- Mateo-Urdiales A, Sacco C, Petrone D, Bella A, Riccardo F, Del Manso M, Fabiani M, *et al.* Estimated effectiveness of a primary cycle of protein recombinant vaccine NVX-CoV2373 against COVID-19. *JAMA Network Open*. 2023;6(10). doi:10.1001/jamanetworkopen.2023.36854.
- Mattei E, Lino S, Censi F, Calcagnini G, Calò L. Personalized antiarrhythmic therapy using a self-managed daily-ECG device. *Diagnostics*. 2023;13(18). doi:10.3390/diagnostics13182864.
- Mattei E, Vivarelli C, Franci D, Pavoncello S, Aureli T, Calcagnini G, Censi F. Pacemakers, implantable defibrillators, and 5G technology: What we need to know. *Health Physics*. 2023;125(3):202-206. doi:10.1097/HP.0000000000001699.
- Mattei F, George JT, Jolly MK. Editorial: Organoids, organs-on-chip, nanoparticles and in silico approaches to dissect the tumor-immune dynamics and to unveil the drug resistance mechanisms to therapy in the tumor microenvironment. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1253551.
- Mattei F, Jolly MK. Interdisciplinary research in cancer and immunity employing biophysical approaches. *iScience*. 2023;26(5). doi:10.1016/j.isci.2023.106507.
- Maugliani A, Baldi F. Surveys as a valid tool for assessing food safety knowledge amongst pregnant women in high-income countries: a rapid review. *Reproductive Toxicology*. 2023;119. doi:10.1016/j.reprotox.2023.108411.
- Mauro FR, Giannarelli D, Galluzzo CM, Visentin A, Frustaci AM, Sportoletti P, Baroncelli S, *et al.* Antibody response to the SARS-CoV-2 vaccine and COVID-19 vulnerability during the Omicron pandemic in patients with CLL: two-year follow-up of a multicenter study. *Cancers*. 2023;15(11). doi:10.3390/cancers15112993.
- Mauro FR, Visentin A, Giannarelli D, Molinari MC, Proietti G, Petrella M, Focosi D, *et al.* Pre-exposure prophylaxis with tixagevimab/cilgavimab in patients with chronic lymphocytic leukaemia treated with targeted agents. *British Journal of Haematology*. 2023;201(3):564-567. doi:10.1111/bjh.18701.
- Mazzalai E, Giannini D, Tosti ME, D'Angelo F, Declich S, Jaljaa A, Marceca M, *et al.* Risk of Covid-19 severe outcomes and mortality in migrants and ethnic minorities compared to the general population in the European WHO region: a systematic review. *Journal of International Migration and Integration*. 2023;24(3):1305-1335. doi:10.1007/s12134-023-01007-x.
- Mazzarella L, Santoro F, Ravasio R, Fumagalli V, Massa PE, Rodighiero S, Pelicci PG, *et al.* Inhibition of the lysine demethylase LSD1 modulates the balance between inflammatory and antiviral responses against coronaviruses. *Science Signaling*. 2023;16(816). doi:10.1126/scisignal.ade0326.
- Mazzarini M, Arciprete F, Picconi O, Valeri M, Verachi P, Martelli F, Zingariello M, *et al.* Single cell analysis of the localization of the hematopoietic stem cells within the bone marrow architecture identifies niche-specific proliferation dynamics. *Frontiers in Medicine*. 2023;10. doi:10.3389/fmed.2023.1166758.
- Melfi F, Carradori S, Mencarelli N, Campestre C, Gallorini M, Di Giacomo S, Di Sotto A. Natural products as a source of new anticancer chemotypes. *Expert Opinion on Therapeutic Patents*. 2023;33(11):721-744. doi:10.1080/13543776.2023.2265561.
- Melo US, Jatzlau J, Prada-Medina CA, Flex E, Hartmann S, Ali S, Spielmann M, *et al.* Enhancer hijacking at the ARHGAP36 locus is associated with connective tissue to bone transformation. *Nature Communications*. 2023;14(1). doi:10.1038/s41467-023-37585-8.
- Meloni M, Brambilla L, Carriero F, Frabetti A, Leone MG, Magri G, Ceriotti L, *et al.* VitroScreen seminar - substance-based medical device qualification and classification: Pre-clinical approaches to mechanism of action. *ALTEX*. 2023;40(3):549-552. doi:10.14573/altex.2303301.
- Menegatti D, Manfredi S, Pietrabissa A, Poli C, Giuseppe A. Hierarchical federated learning for edge intelligence through average consensus. *IFAC-PapersOnLine*. 2023;56(2):862-868. doi:10.1016/j.ifacol.2023.10.1673.

- Menegon M, Casale F, Mancuso E, Di Luca M, Severini F, Monaco F, Toma L. Argas ticks (Ixodida: Argasidae) on migratory birds from Africa: first record of a genotype close to Argas africanus in Italy. *Ticks and Tick-borne Diseases*. 2023;14(5). doi:10.1016/j.ttbdis.2023.102205.
- Menniti-Ippolito F, Aiello E, Arzenton E, Assisi A, Blaznik U, Castenmiller JJM, Vo Van Regnault G, *et al*. Erice Manifesto 2022: On the surveillance of potential harms caused by food supplements in Europe. *Drug Safety*. 2023;46(5):435-437. doi:10.1007/s40264-023-01284-6.
- Menniti-Ippolito F, Mele A, Da Cas R, De Masi S, Chiarotti F, Fabiani M, COVIDVaxDia Study Group. Safety and efficacy of COVID-19 vaccines in patients on dialysis: a multicentre cohort study in Italy. *Journal of Nephrology*. 2023;36(7):2013-2022. doi:10.1007/s40620-023-01708-7.
- Mensah GA, Fuster V, Murray CJL, Roth GA, Global Burden of Cardiovascular Diseases and Risks Collaborators. Global Burden of Cardiovascular Diseases and Risks, 1990-2022. *Journal of the American College of Cardiology*. 2023;82(25):2350-2473. doi:10.1016/j.jacc.2023.11.007.
- Merlo D, Mollinari C. The Need for a Break. *Current Alzheimer Research*. 2023;20(8):523-525. doi:10.2174/0115672050272291231013140116.
- Merlo I, Crea M, Berta P, Ieva F, Carle F, Rea F, Corrao G, *et al*. Detecting early signals of COVID-19 outbreaks in 2020 in small areas by monitoring healthcare utilisation databases: first lessons learned from the Italian Alert_CoV project. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*. 2023;28(1). doi:10.2807/1560-7917.ES.2023.28.1.2200366.
- Micai M, Fatta LM, Gila L, Caruso A, Salvitti T, Fulceri F, Scattoni ML, *et al*. Prevalence of co-occurring conditions in children and adults with autism spectrum disorder: A systematic review and meta-analysis. *Neuroscience and Biobehavioral Reviews*. 2023;155. doi:10.1016/j.neubiorev.2023.105436.
- Michalec B, De Angelis C, Foltynska G, Horwacik T, Reniers B, Wochnik A, Kopeć R, Swakoń J. Alanine/EPR dosimetry for mailed intercomparison at ocular proton therapy facilities - preliminary results for three centres for irradiations at CCB IFJ PAN eyeline. *Radiation Protection Dosimetry*. 2023;199(14):1616-1619. doi:10.1093/rpd/ncad127.
- Michalik B, Dvorzhak A, Pereira R, Lourenço J, Haanes H, Di Carlo C, Popic JM, *et al*. A methodology for the systematic identification of naturally occurring radioactive materials (NORM). *Science of the Total Environment*. 2023;881. doi:10.1016/j.scitotenv.2023.163324.
- Michelacci V, Asséré A, Cacciò S, Cavauiolo M, Mooijman K, Morabito S, Hendriksen RS, *et al*. European Union Reference Laboratories support the National food, feed and veterinary Reference Laboratories with rolling out whole genome sequencing in Europe. *Microbial genomics*. 2023;9(7). doi:10.1099/mgen.0.001074.
- Milani GP, Edefonti V, De Cosmi V, Bettocchi S, Mazzocchi A, Silano M, Pietrobelli A, Agostoni C. Protein and growth during the first year of life: a systematic review and meta-analysis. *Pediatric Research*. 2023;94(3):878-891. doi:10.1038/s41390-023-02531-3.
- Minardi V, Asta F, Timelli L, Spizzichino L, Gorini G, Contoli B, Masocco M. Usage and accessibility of cigarettes, electronic cigarettes, and heated tobacco products among 13-15-year-old students in Italy: Temporal trend results from the Global Youth Tobacco Survey (GYTS), 2010-2022. *Tobacco Prevention and Cessation*. 2023;9:24-24. doi:10.18332/TPC/172659.
- Minardi V, Gallo R, Possenti V, Contoli B, Di Fonzo D, D'Andrea E, Masocco M. Influenza vaccination uptake and prognostic factors among health professionals in Italy: Results from the nationwide surveillance PASSI 2015-2018. *Vaccines*. 2023;11(7). doi:10.3390/vaccines11071223.
- Minici R, Fontana F, Venturini M, Guzzardi G, Piacentino F, Spinetta M, Laganà D, *et al*. A Multicenter retrospective cohort study evaluating the clinical outcomes of patients with coagulopathy undergoing transcatheter arterial embolization (TAE) for acute non-neurovascular bleeding. *Medicina (Lithuania)*. 2023;59(7). doi:10.3390/medicina59071333.
- Minici R, Fontana F, Venturini M, Guzzardi G, Siciliano A, Piacentino F, Brunese L, *et al*. Transcatheter arterial embolization (TAE) in the management of bleeding in the COVID-19 patient. *Medicina (Lithuania)*. 2023;59(6). doi:10.3390/medicina59061062.
- Minici R, Guzzardi G, Venturini M, Fontana F, Coppola A, Spinetta M, Laganà D, *et al*. Transcatheter arterial embolization (TAE) of cancer-related bleeding. *Medicina (Lithuania)*. 2023;59(7). doi:10.3390/medicina59071323.

- Mishra A, Zhou B, Rodriguez-Martinez A, Bixby H, Singleton RK, Carrillo-Larco RM, NCD Risk Factor Collaboration (NCD-RisC). Diminishing benefits of urban living for children and adolescents' growth and development. *Nature*. 2023;615(7954):874-883. doi:10.1038/s41586-023-05772-8.
- Molina Grané C, Mancuso P, Vicentini M, Venturelli F, Djuric O, Manica M, Poletti P, *et al.* SARS-CoV-2 transmission patterns in educational settings during the Alpha wave in Reggio-Emilia, Italy. *Epidemics*. 2023;44. doi:10.1016/j.epidem.2023.100712.
- Molinaro R, Pirrera A, Renzoni A. Special applications of medical tattooing: Contouring and 3D exemplified by tattooing of the Nailbed and the Gingiva. *Current Problems in Dermatology (Switzerland)*. 2023;56:212-218. doi:10.1159/000526054.
- Monini M, Di Bartolo I, De Sabato L, Ianiro G, Agostinelli F, Ostanello F. Hepatitis E virus (HEV) in heavy pigs in slaughterhouses of Northern Italy: Investigation of seroprevalence, viraemia, and faecal shedding. *Animals*. 2023;13(18). doi:10.3390/ani13182942.
- MOR (previously Marzena Szkodo), Micai M, Caruso A, Fulceri F, Fazio M, Scattoni ML. Technologies to support the diagnosis and/or treatment of neurodevelopmental disorders: A systematic review. *Neuroscience and Biobehavioral Reviews*. 2023;145. doi:10.1016/j.neubiorev.2022.105021.
- Morabito S, van de Kar N. Foreword. *Trending Topics in Escherichia coli Research: The Latin American Perspective*. 2023:v-vii.
- Morciano P, Dini V, Berardinelli F, Baiocco G, Conte V, Udroui I, Sgura A, *et al.* Overview of DISCOVER22 experiment in the framework of INFN-LNGS Cosmic Silence activity: challenges and improvements in underground radiobiology. *Frontiers in Physics*. 2023. 11. doi:10.3389/fphy.2023.1263338.
- Moretti L, Bizzoca D, Geronimo A, Abbaticchio AM, Moretti FL, Carlet A, Fischetti F, Moretti B. Targeting adenosine signalling in knee chondropathy: The combined action of polydeoxyribonucleotide and pulsed electromagnetic fields: A current concept review. *International Journal of Molecular Sciences*. 2023;24(12). doi:10.3390/ijms241210090.
- Moretti S, Barola C, Giuseppeponi D, Paoletti F, Piersanti A, Tcheremenskaia O, Brambilla G, Galarini R. Target determination and suspect screening of legacy and emerging per- and poly-fluoro poly-ethers in wild boar liver, in Italy. *Chemosphere*. 2023;312. doi:10.1016/j.chemosphere.2022.137214.
- Moretti S, Schietroma I, Sberna G, Maggiorella MT, Sernicola L, Farcomeni S, Borsetti A, *et al.* HIV-1–host interaction in gut-associated lymphoid tissue (GALT): Effects on local environment and comorbidities. *International Journal of Molecular Sciences*. 2023;24(15). doi:10.3390/ijms241512193.
- Moschella F, Buccione C, Ruspantini I, Castiello L, Roza Gonzalez A, Iacobone F, Urbani F, *et al.* Blood immune cells as potential biomarkers predicting relapse-free survival of stage III/IV resected melanoma patients treated with peptide-based vaccination and interferon-alpha. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1145667.
- Mousavifar L, Sarshar M, Bridot C, Scribano D, Ambrosi C, Palamara AT, Roy R, *et al.* Insightful improvement in the design of potent uropathogenic E. coli FimH antagonists. *Pharmaceutics*. 2023;15(2). doi:10.3390/pharmaceutics15020527.
- Mrdakovic Popic J, Haanes H, Di Carlo C, Nuccetelli C, Venoso G, Leonardi F, Fevrier L, *et al.* Tools for harmonized data collection at exposure situations with naturally occurring radioactive materials (NORM). *Environment International*. 2023;175. doi:10.1016/j.envint.2023.107954.
- Musillo C, Creutzberg KC, Collacchi B, Ajmone-Cat MA, De Simone R, Lepre M, Cirulli F, *et al.* Bdnf-Nrf-2 crosstalk and emotional behavior are disrupted in a sex-dependent fashion in adolescent mice exposed to maternal stress or maternal obesity. *Translational Psychiatry*. 2023;13(1). doi:10.1038/s41398-023-02701-1.
- Musillo C, Giona L, Ristow M, Zarse K, Siems K, Di Francesco A, Berry A, *et al.* Rosmarinic acid improves cognitive abilities and glucose metabolism in aged C57Bl/6N mice while disrupting lipid profile in young adults in a sex-dependent fashion. *Nutrients*. 2023;15(15). doi:10.3390/nu15153366.
- Muto V, Benigni F, Magliocca V, Borghi R, Flex E, Pallottini V, Tartaglia M, *et al.* CRISPR/Cas9 and piggyBac transposon-based conversion of a pathogenic biallelic TBCD variant in a patient-derived iPSC line allows correction of PEBAT-related endophenotypes. *International Journal of Molecular Sciences*. 2023;24(9). doi:10.3390/ijms24097988.
- Nabbout R, Zanello G, Baker D, Black L, Brambilla I, Buske OJ, Groft S, *et al.* Towards the international interoperability of clinical research networks for rare diseases: recommendations from the IRDiRC Task Force. *Orphanet Journal of Rare Diseases*. 2023;18(1). doi:10.1186/s13023-023-02650-4.

- Napoleoni M, Villa L, Barco L, Lucarelli C, Tiengo A, Baggio G, Blasi G, *et al.* Monophasic variant of Salmonella Typhimurium 4,[5],12:i:- (ACSSuGmTmpSxt Type) outbreak in Central Italy linked to the consumption of a roasted pork product (porchetta). *Microorganisms*. 2023;11(10). doi:10.3390/microorganisms11102567.
- Napolitani F, Alleve E, Barbaro A. Artificial intelligence in scholarly publishing: opportunities and concerns. Editorial. *Ann Ist Super Sanita*. 2023;59(3):177-179. doi:10.4415/ANN_23_03_01.
- Nardecchia F, Bove R, Pollini L, Giannini MT, Manti F, De Giorgi A, Leuzzi V, *et al.* Improvement of movement disorder and neurodevelopment under selegiline in a CLTC-Deficient Patient. *Movement Disorders Clinical Practice*. 2023;10(9):1430-1432. doi:10.1002/mdc3.13834.
- Nardone P, Spinelli A, Buoncrisiano M, Andreozzi S, Bucciarelli M, Giustini M, Ciardullo S. Changes in food consumption and eating behaviours of children and their families living in Italy during the COVID-19 pandemic: The EPaS-ISS study. *Nutrients*. 2023;15(15). doi:10.3390/nu15153326.
- Nevola R, Delle Femine A, Rosato V, Kondili LA, Alfano M, Mastrocinque D, Claar E, *et al.* Neoadjuvant and adjuvant systemic therapies in loco-regional treatments for hepatocellular carcinoma: Are we at the dawn of a new era? *Cancers*. 2023;15(11). doi:10.3390/cancers15112950.
- Nevola R, Tortorella G, Rosato V, Rinaldi L, Imbriani S, Perillo P, Cozzolino D, *et al.* Gender differences in the pathogenesis and risk factors of hepatocellular carcinoma. *Biology*. 2023;12(7). doi:10.3390/biology12070984.
- Nicolanti F, Caccia B, Cartoni A, Emfietzoglou D, Faccini R, Incerti S, Kyriakou I, Satta M, Tran HN, Mancini-Terracciano C. Calculation of electron interaction models in N₂ and O₂. *Physica Medica*. 2023;114. doi:10.1016/j.ejmp.2023.102661.
- Nicolas C, Rouche M, Dierckens M, Kelly C, Fismen A-S, Nardone P, Castetbon K, Chatelan A. Sixteen-year trends in fruit consumption and related socioeconomic inequalities among adolescents in Western European countries. *European Journal of Nutrition*. 2023;62(8):3287-3296. doi:10.1007/s00394-023-03199-5.
- Nicolazzo C, Francescangeli F, Magri V, Giuliani A, Zeuner A, Gazzaniga P. Is cancer an intelligent species? *Cancer and Metastasis Reviews*. 2023;42(4):1201-1218. doi:10.1007/s10555-023-10123-0.
- Novelli M, Galosi S, Zorzi G, Martinelli S, Capuano A, Nardecchia F, Leuzzi V, *et al.* GNAO1-related movement disorder: An update on phenomenology, clinical course, and response to treatments. *Parkinsonism and Related Disorders*. 2023;111. doi:10.1016/j.parkreldis.2023.105405.
- Nulek T, Arnaboldi S, Salinas G, Bonetti G, Cirilli R, Benincori T, Kuhn A, *et al.* Enantioselective resolution of two model amino acids using inherently chiral oligomer films with uncorrelated molecular structures. *Chemical Communications*. 2023;59(64):9758-9761. doi:10.1039/d3cc02258g.
- Nuñez-Montero M, Lombroni C, Maida NL, Rotolo MC, Pichini S, Papaseit E, Marchei E, *et al.* GC-MS/MS Determination of Synthetic Cathinones: 4-chloromethcathinone, N-ethyl Pentadron, and N-ethyl Hexedron in Oral Fluid and Sweat of Consumers under Controlled Administration: Pilot Study. *International Journal of Molecular Sciences*. 2023;24(11). doi:10.3390/ijms24119387.
- Oggiano M, Adriani W. Misunderstandings about non-verbal communication: Pitfalls and opportunities of body language. *Misunderstandings about Non-Verbal Communication: Pitfalls and Opportunities of Body Language*. 2023:1-224. doi:10.1007/978-3-031-43571-3.
- Okoye EA, Ezejiofor AN, Nwaogazie IL, Frazzoli C, Orisakwe OE. Polycyclic aromatic hydrocarbons in soil and vegetation of Niger Delta, Nigeria: Ecological risk assessment. *Journal of Toxicology*. 2023;2023. doi:10.1155/2023/8036893.
- Okulicz-Kozaryn K, Segura-García L, Bruguera C, Braddick F, Zin-Sedek M, Gandin C, Matrai S, *et al.* Reducing the risk of prenatal alcohol exposure and FASD through social services: promising results from the FAR SEAS pilot project. *Frontiers in Psychiatry*. 2023;14. doi:10.3389/fpsy.2023.1243904.
- Olivieri E, Amatori S, Marsotto M, Iucci G, Battocchio C, Pellei M, Stringaro A, *et al.* Functionalized gold nanorods as drug carriers: A promising antiviral system. *Journal of Physics: Conference Series*. 2023;2579(1). doi:10.1088/1742-6596/2579/1/012007.
- Ong KL, Stafford LK, McLaughlin SA, Boyko EJ, Vollset SE, Smith AE, GBD 2021 Diabetes Collaborators. Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2023;402(10397):203-234. doi:10.1016/S0140-6736(23)01301-6.

- Orefice NS, Di Raimo R, Mizzoni D, Logozzi M, Fais S. Purposing plant-derived exosomes-like nanovesicles for drug delivery: patents and literature review. *Expert Opinion on Therapeutic Patents*. 2023;33(2):89-100. doi:10.1080/13543776.2023.2195093.
- Orlando B, Morano A, Manzini V, Cerulli Irelli E, Borioni MS, Veroni C, Di Bonaventura C, *et al*. Plasma biomarker profile and clinical correlations in adult patients with tuberous sclerosis complex. *Neurology*. 2023;101(19):E1933-E1938. doi:10.1212/WNL.0000000000207799.
- Ornaghi S, Maraschini A, Buoncristiano M, Corsi Decenti E, Colciago E, Cetin I, Donati S. Maternal sepsis in Italy: A prospective, population-based cohort and nested case-control study. *Microorganisms*. 2023;11(1). doi:10.3390/microorganisms11010105.
- Ortona E, Pagano MT, Capossela L, Malorni W. The role of sex differences in bone health and healing. *Biology*. 2023;12(7). doi:10.3390/biology12070993.
- Ottomana AM, Presta M, O'Leary A, Sullivan M, Pisa E, Laviola G, Macrì S, *et al*. A systematic review of preclinical studies exploring the role of insulin signalling in executive function and memory. *Neuroscience and Biobehavioral Reviews*. 2023;155. doi:10.1016/j.neubiorev.2023.105435.
- Ottone M, Petri D, Listorti E, Macciotta A, Moirano G, Murtas R, Renzi M, Asta F. A national overview of the topics covered by young people in epidemiology: a comparison before and after the Covid-19. *Recenti Progressi in Medicina*. 2023;114(6):309-315. doi:10.1701/4042.40217.
- Pacelli C, Rossi A, Milella M, Colombo T, Le Pera L. RNA-based strategies for cancer therapy: In silico design and evaluation of ASOs for targeted exon skipping. *International Journal of Molecular Sciences*. 2023;24(19). doi:10.3390/ijms241914862.
- Padget M, Adam P, Dorfmueller M, Blondel C, Campos-Matos I, Fayad M, Van Cauteren D, *et al*. A comparison of COVID-19 incidence rates across six European countries in 2021. *Eurosurveillance*. 2023;28(40). doi:10.2807/1560-7917.ES.2023.28.40.2300088.
- Pallotta L, Cammisotto V, Castellani V, Gioia A, Spigaroli M, Carlomagno D, Severi C, *et al*. Diverticular disease worsening is associated with increased oxidative stress and gut permeability: New insights by circulating biomarkers. *Antioxidants*. 2023;12(8). doi:10.3390/antiox12081537.
- Palombieri A, Di Profio F, Sarchese V, Fruci P, Suffredini E, Martella V, Di Martino B, *et al*. Surveillance for rat hepatitis E in wastewater networks, Italy. *Microbiology Spectrum*. 2023;11(6). doi:10.1128/spectrum.02675-23.
- Palomo GM, Pose-Boirazian T, Naumann-Winter F, Costa E, Duarte DM, Kalland ME, Mariz S, *et al*. The European landscape for gene therapies in orphan diseases: 6-year experience with the EMA Committee for Orphan Medicinal products. *Molecular Therapy*. 2023;31(12):3414-3423. doi:10.1016/j.ymthe.2023.09.020.
- Pannone L, Muto V, Nardecchia F, Di Rocco M, Marchei E, Tosato F, Martinelli S, *et al*. The recurrent pathogenic Pro890Leu substitution in CLTC causes a generalized defect in synaptic transmission in *Caenorhabditis elegans*. *Frontiers in Molecular Neuroscience*. 2023;16. doi:10.3389/fnmol.2023.1170061.
- Pascarella S, Ciccozzi M, Benvenuto D, Borsetti A, Cauda R, Cassone A. Peculiar variations of the electrostatic potential of spike protein n-terminal domain associated with the emergence of successive SARS-CoV-2 Omicron lineages. *Journal of Infection*. 2023;86(1):66-117. doi:10.1016/j.jinf.2022.07.018.
- Pascucci D, Grossi A, Lontano A, Marziali E, Nurchis MC, Grassi VM, Laurenti P, *et al*. Risk of infection and duration of protection after the booster dose of the anti-SARS-CoV-2 vaccine BNT162b2 among healthcare workers in a large teaching hospital in Italy: Results of an observational study. *Vaccines*. 2023;11(1). doi:10.3390/vaccines11010025.
- Pascucci S, Franzò M, Mari V, Biondi A, Ceccarelli S, Bini F, Torre M, *et al*. Key points to design the MDs library of a National implant Registry: lesson learned from the Italian experience. *Convegno Nazionale di Bioingegneria*. 2023.
- Pascucci S, Langella F, Franzò M, Tesse MG, Ciminello E, Biondi A, Torre M, *et al*. National spine surgery registries' characteristics and aims: globally accepted standards have yet to be met. Results of a scoping review and a complementary survey. *Journal of Orthopaedics and Traumatology*. 2023;24(1). doi:10.1186/s10195-023-00732-4.
- Pasetto R, Marsili D. Environmental justice promotion in the Italian contaminated sites through the national epidemiological surveillance system SENTIERI. *Epidemiologia e Prevenzione*. 2023;47(1-2):375-384. doi:10.19191/EP23.1-2-S1.010.
- Passchier EMJ, Kerst S, Brouwers E, Hamilton EMC, Bisseling Q, Bugiani M, Van Der Knaap MS, *et al*. Aquaporin-4 and GPRC5B: old and new players in controlling brain oedema. *Brain*. 2023;146(8):3444-3454. doi:10.1093/brain/awad146.

- Pati I, Cruciani M, Candura F, Massari MS, Piccinini V, Masiello F, De Angelis V, *et al.* Hyperimmune globulins for the management of infectious diseases. *Viruses*. 2023;15(7). doi:10.3390/v15071543.
- Pati I, Mengoli C, Pupella S, Masiello F, Barone F, Cruciani M, De Angelis V. Epidemiology of *Treponema pallidum* and HIV co-infections in the Italian blood donor population: 2009-2021. *Blood Transfusion*. 2023;21(3):251-256. doi:10.2450/2022.0159-22.
- Patriarca M, Barlow N, Cross A, Hill S, Robson A, Tyson J. Atomic spectrometry update: review of advances in the analysis of clinical and biological materials, foods and beverages. *Journal of Analytical Atomic Spectrometry*. 2023;38(3):496-577. doi:10.1039/d3ja90008h.
- Pauletti C, Locuratolo N, Mannarelli D, Maffucci A, Petritis A, Menini E, Fattapposta F. Fatigue in fluctuating Parkinson's disease patients: possible impact of safinamide. *Journal of Neural Transmission*. 2023;130(7):915-923. doi:10.1007/s00702-023-02654-1.
- Pavinato L, Stanic J, Barzasi M, Gurgone A, Chiantia G, Cipriani V, Brusco A, *et al.* Missense variants in RPH3A cause defects in excitatory synaptic function and are associated with a clinically variable neurodevelopmental disorder. *Genetics in Medicine*. 2023;25(11). doi:10.1016/j.gim.2023.100922.
- Pazzi G, Buiarelli F, Di Filippo P, Pomata D, Riccardi C, Lucarelli F, Simonetti G, *et al.* Metals and organic species associated with fine and coarse aerosol particles in an electronic waste recycling plant. *Air Quality, Atmosphere and Health*. 2023;16(4):841-856. doi:10.1007/s11869-023-01313-4.
- Pedale T, Mastroberardino S, Del Gatto C, Capurso M, Bellagamba F, Addressi E, Macrì S, Santangelo V. Searching for a relationship between early breastfeeding and cognitive development of attention and working memory capacity. *Brain Sciences*. 2023;13(1). doi:10.3390/brainsci13010053.
- Pelkonen O, Abass K, Parra Morte JM, Panzarea M, Testai E, Bernasconi C, *et al.* Metabolites in the regulatory risk assessment of pesticides in the EU. *Frontiers in Toxicology*. 2023;5. doi:10.3389/ftox.2023.1304885.
- Pelosi E, Castelli G, Testa U. CD123 a therapeutic target for acute myeloid leukemia and blastic plasmocytoid dendritic neoplasm. *International Journal of Molecular Sciences*. 2023;24(3). doi:10.3390/ijms24032718.
- Peloso M, Minkoumba Sonfack G, Paduano S, De Martino M, De Santis B, Caprai E. Pyrrolizidine alkaloids in food on the Italian market. *Molecules*. 2023;28(14). doi:10.3390/molecules28145346.
- Percaccio E, De Angelis M, Acquaviva A, Nicotra G, Ferrante C, Mazzanti G, Di Sotto A, *et al.* ECHOPvir: A mixture of Echinacea and Hop extracts endowed with cytoprotective, immunomodulatory and antiviral properties. *Nutrients*. 2023;15(20). doi:10.3390/nu15204380.
- Perrone P, Spinelli S, Mantegna G, Notariale R, Straface E, Caruso D, Morabito R, *et al.* Mercury chloride affects band 3 protein-mediated anionic transport in red blood cells: Role of oxidative stress and protective effect of olive oil polyphenols. *Cells*. 2023;12(3). doi:10.3390/cells12030424.
- Perrotti E, L'Episcopia M, Menegon M, Soares IS, Rosas-Aguirre A, Speybroeck N, Severini C, *et al.* Reduced polymorphism of *Plasmodium vivax* early transcribed membrane protein (PvETRAMP) 11.2. *Parasites and Vectors*. 2023;16(1). doi:10.1186/s13071-023-05851-9.
- Perruzza L, Zagaglia C, Vitiello L, Sarshar M, Strati F, Pasqua M, Scribano D, *et al.* The *Shigella flexneri* virulence factor apyrase is released inside eukaryotic cells to hijack host cell fate. *Microbiology Spectrum*. 2023;11(6). doi:10.1128/spectrum.00775-23.
- Perta N, Torrieri Di Tullio L, Cugini E, Fattibene P, Rapanotti MC, De Luca A, *et al.* Hydroxytyrosol counteracts triple negative breast cancer cell dissemination via its copper complexing properties. *Biology*. 2023;12(11). doi:10.3390/biology12111437.
- Peruzzu D, Boussadia Z, Fratini F, Spadaro F, Bertuccini L, Sanchez M, Fecchi K, *et al.* Inhibition of cholesterol transport impairs Cav-1 trafficking and small extracellular vesicles secretion, promoting amphisome formation in melanoma cells. *Traffic*. 2023;24(2):76-94. doi:10.1111/tra.12878.
- Peruzzu D, Fecchi K, Venturi G, Gagliardi MC. Repurposing amphotericin B and its liposomal formulation for the treatment of human mpox. *International Journal of Molecular Sciences*. 2023;24(10). doi:10.3390/ijms24108896.
- Petrelli A, Ventura M, Di Napoli A, Mateo-Urdiales A, Pezzotti P, Fabiani M. Geographic heterogeneity of the epidemiological impact of the COVID-19 pandemic in Italy using a socioeconomic proxy-based classification of the national territory. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1143189.
- Petrin S, Wijnands L, Benincà E, Mughini-Gras L, Delfgou-van Asch EHM, Villa L, Barco L, *et al.* Assessing phenotypic virulence of *Salmonella enterica* across serovars and sources. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1184387.

- Petrone D, Mateo-Urdiales A, Sacco C, Riccardo F, Bella A, Ambrosio L, Palamara A, *et al.* Reduction of the risk of severe COVID-19 due to Omicron compared to Delta variant in Italy (November 2021 – February 2022). *International Journal of Infectious Diseases*. 2023;129:135-141. doi:10.1016/j.ijid.2023.01.027.
- Petrongari A, Piacentini V, Pierini A, Fattibene P, De Angelis C, Bodo E, Brutti S. Insights into the LiI redox mediation in aprotic Li-O₂ batteries: Solvation effects and singlet oxygen evolution. *ACS Applied Materials and Interfaces*. 2023;15(51):59348-59357. doi:10.1021/acsami.3c12330.
- Petroulakis N, Mattsson M-O, Chatziadam P, Simko M, Gavrielides A, Yiorkas AM, Bogdanova A, *et al.* NextGEM: next-generation integrated sensing and analytical system for monitoring and assessing radiofrequency electromagnetic field exposure and health. *International Journal of Environmental Research and Public Health*. 2023;20(12). doi:10.3390/ijerph20126085.
- Pettruso M, d'Andrea G, Di Carlo F, De Risio L, Zoratto F, Miuli A, Carlone L, *et al.* Corrigendum to “Comparing fast-acting interventions for treatment-resistant depression: An explorative study of accelerated HF-rTMS versus intranasal esketamine” [Brain Stimul 16 (2023)] (Brain Stimulation (2023) 16(4) (1041–1043), (S1935861X23017953), (10.1016/j.brs.2023.06.003)). *Brain Stimulation*. 2023;16(5). doi:10.1016/j.brs.2023.09.003.
- Pettruso M, d'Andrea G, Di Carlo F, De Risio L, Zoratto F, Miuli A, Carlone L, *et al.* Comparing fast-acting interventions for treatment-resistant depression: An explorative study of accelerated HF-rTMS versus intranasal esketamine. *Brain Stimulation*. 2023;16(4):1041-1043. doi:10.1016/j.brs.2023.06.003.
- Pezzolato M, Biasibetti E, Gili M, Maurella C, Benedetto A, Marturella M, Bozzetta E, *et al.* Assessment of the physiological values and the reference histological profile related to sex steroids in veal calves. *Agriculture (Switzerland)*. 2023;13(6). doi:10.3390/agriculture13061145.
- Piazza S, Colombo F, Bani C, Fumagalli M, Vincentini O, Sangiovanni E, Di Lorenzo C, *et al.* Evaluation of the potential anti-inflammatory activity of black rice in the framework of celiac disease. *Foods*. 2023;12(1). doi:10.3390/foods12010063.
- Picardi A, Fagnani C, Gigantesco A, Toccaceli V, Stazi MA, Medda E. Stability and change in genetic and environmental influences on depressive symptoms in response to COVID-19 pandemic. *Frontiers in Psychiatry*. 2023;14. doi:10.3389/fpsyt.2023.954737.
- Picchi G, Ricciardi A, Marola L, Di Norcia M, D'alessandro M, Mariani R, Ciccaglione AR, *et al.* Prevalence of HEV infection in acute non-ABC hepatitis and prognostic role of extrahepatic manifestations. *Infezioni in Medicina*. 2023;31(1):70-78. doi:10.53854/liim-3101-10.
- Piccinini A, Bailo P, Barbara G, Miozzo M, Tabano S, Colapietro P, Gaudi S, *et al.* Violence against women and stress-related disorders: Seeking for associated epigenetic signatures, a pilot study. *Healthcare (Switzerland)*. 2023;11(2). doi:10.3390/healthcare11020173.
- Piccirilli G, Gennari M, Gabrielli L, Leone M, Borgatti EC, Cantiani A, Lazzarotto T, *et al.* Measles virus and cytomegalovirus co-infection, in a child with recent SARS-CoV-2 infection, during COVID-19 pandemic: a case report. *Virology Journal*. 2023;20(1). doi:10.1186/s12985-023-02099-8.
- Pichini S, Berretta P, Bambagiotti G, Hojat L, Busardò FP. A “special dose” of ethics in forensic toxicology. *Biochimica Clinica*. 2023;47(1):65-67. doi:10.19186/BC_2022.075.
- Pichini S, Bucchioni P, Busardò FP, Bertol E, Ruggieri MP, Basili E, Pellegrini M, *et al.* Analytical procedures and blood threshold values to ascertain driving in a state of psycho-physical impairment from drugs abuse. *Biochimica Clinica*. 2023;47(4):370-376. doi:10.19186/BC_2023.060.
- Pichini S, Di Trana A, García-Algar O, Busardò FP. Editorial: Drug-drug interactions in pharmacology. *Frontiers in Pharmacology*. 2023;14. doi:10.3389/fphar.2023.1155738.
- Pierangeli A, Nenna R, Fracella M, Scagnolari C, Oliveto G, Sorrentino L, Midulla F, *et al.* Genetic diversity and its impact on disease severity in respiratory syncytial virus subtype-A and -B bronchiolitis before and after pandemic restrictions in Rome. *Journal of Infection*. 2023;87(4):305-314. doi:10.1016/j.jinf.2023.07.008.
- Pierannunzio D, Maraschini A, Lopez T, Donati S, Amodio R, Bianconi F, Francisci S, *et al.* Cancer and pregnancy: Estimates in Italy from record-linkage procedures between cancer registries and the hospital discharge database. *Cancers*. 2023;15(17). doi:10.3390/cancers15174305.
- Pietraforte I, Butera A, Gaddini L, Mennella A, Palazzo R, Campanile D, Frasca L, *et al.* CXCL4-RNA complexes circulate in systemic sclerosis and amplify inflammatory/pro-fibrotic responses by myeloid dendritic cells. *International Journal of Molecular Sciences*. 2023;24(1)10.3390/ijms24010653.

- Pietraforte I, Frasca L. Autoreactive T-cells in psoriasis: Are they spoiled tregs and can therapies restore their functions? *International Journal of Molecular Sciences*. 2023;24(5). doi:10.3390/ijms24054348.
- Pietropaolo A, Del Dotto A, Contessa GM. Analytical study of low energy proton interactions in the SORGENTINA's fusion ion source-part I: beam-dump. *European Physical Journal Plus*. 2023;138(8). doi:10.1140/epjp/s13360-023-04306-5.
- Pietropaolo A, Del Dotto A, Contessa GM, Agostini P, Angiolini M, Alberghi C, Zummo G, *et al.* Analytical study of low energy proton interactions in the SORGENTINA's fusion ion source-Part II: beam-gas: SORGENTINA ion beam interactions. *European Physical Journal Plus*. 2023;138(10). doi:10.1140/epjp/s13360-023-04468-2.
- Pinna L, Coccollone A, Maxia M, Bano L, Scalfaro C, Mandas D, Liciardi M. Botulism in cattle: A case report of an outbreak in Sardinia (Italy). *Animals*. 2023;13(15). doi:10.3390/ani13152435.
- Pinto VM, De Franceschi L, Giancesin B, Gigante A, Graziadei G, Lombardini L, Origa R, *et al.* Management of the sickle cell trait: An opinion by expert panel members. *Journal of Clinical Medicine*. 2023;12(10). doi:10.3390/jcm12103441.
- Pipoyan D, Beglaryan M, Davtyan L, Stepanyan S, Mantovani A. Risk assessment of dietary exposure to trace elements that are reproductive toxicants: Lead, molybdenum and nickel. The case study of Armenia. *Reproductive Toxicology*. 2023;118. doi:10.1016/j.reprotox.2023.108382.
- Pipoyan D, Stepanyan S, Beglaryan M, Mantovani A. Assessment of heme and non-heme iron intake and its dietary sources among adults in Armenia. *Nutrients*. 2023;15(7). doi:10.3390/nu15071643.
- Pipoyan D, Stepanyan S, Beglaryan M, Mantovani A. Risk characterization of the Armenian population to nickel: Application of deterministic and probabilistic approaches to a total diet study in Yerevan City. *Biological Trace Element Research*. 2023;201(6):2721-2732. doi:10.1007/s12011-022-03371-8.
- Pirrer A, Giansanti D. Human–Machine Collaboration in Diagnostics: Exploring the synergy in clinical imaging with artificial intelligence. *Diagnostics*. 2023;13(13). doi:10.3390/diagnostics13132162.
- Pirrer A, Meli P, De Dominicis A, Lepri A, Giansanti D. Assistive technologies and quadriplegia: A map point on the development and spread of the tongue Barbell piercing. *Healthcare (Switzerland)*. 2023;11(1). doi:10.3390/healthcare11010101.
- Pisa E, Traversa A, Caputo V, Ottomana AM, Hauser J, Macri S. Long-term consequences of reduced availability and compensatory supplementation of sialylated HMOs on cognitive capabilities. *Frontiers in Cellular Neuroscience*. 2023;17. doi:10.3389/fncel.2023.1091890.
- Pisani G, Le Tallec D, Costanzo A. Establishment of Ph. Eur. Hepatitis C Virus RNA for NAT testing BRP batch 2. *Pharmeuropa bio & scientific notes*. 2023;2023:15-41.
- Piscopo P, Grasso M, Manzini V, Zeni A, Castelluzzo M, Fontana F, Denti MA, *et al.* Identification of miRNAs regulating MAPT expression and their analysis in plasma of patients with dementia. *Frontiers in Molecular Neuroscience*. 2023;16. doi:10.3389/fnmol.2023.1127163.
- Poggini S, Lopez MB, Ciano Albanese N, Golia MT, Ibáñez FG, Limatola C, Branchi I, *et al.* Minocycline treatment improves cognitive and functional plasticity in a preclinical mouse model of major depressive disorder. *Behavioural Brain Research*. 2023;441. doi:10.1016/j.bbr.2023.114295.
- Polo A, Tlais AZA, Filannino P, Da Ros A, Arora K, Cantatore V, Di Cagno R, *et al.* Novel fermented ice cream formulations with improved antiradical and anti-inflammatory features. *Fermentation*. 2023;9(2). doi:10.3390/fermentation9020117.
- Ponte G, Roumbedakis K, Galligioni V, Dickel L, Bellanger C, Pereira J, Fiorito G, *et al.* General and species-specific recommendations for minimal requirements for the use of cephalopods in scientific research. *Laboratory Animals*. 2023;57(1):26-39. doi:10.1177/00236772221111261.
- Possenti V, De Castro P, Mistretta A, Croci R, Pizzarelli S, Mattioli B, Bucciardini R, *et al.* European IMMUNION project to support and strengthen vaccination awareness. *Recenti Progressi in Medicina*. 2023;114(9):519-520. doi:10.1701/4088.40793.
- Poto R, Ianiro G, de Paulis A, Spadaro G, Marone G, Gasbarrini A, Varricchi G. Correction to: Is there a role for microbiome-based approach in common variable immunodeficiency? (Clinical and Experimental Medicine, (2023), 23, 6, (1981-1998), 10.1007/s10238-023-01006-3). *Clinical and Experimental Medicine*. 2023;23(6). doi:10.1007/s10238-023-01032-1.

- Poto R, Ianiro G, de Paulis A, Spadaro G, Marone G, Gasbarrini A, Varricchi G. Is there a role for microbiome-based approach in common variable immunodeficiency? *Clinical and Experimental Medicine*. 2023;23(6):1981-1998. doi:10.1007/s10238-023-01006-3.
- Poyatos L, Pérez-Mañá C, Hladun O, Núñez-Montero M, de la Rosa G, Martín S, Papaseit E, *et al.* Pharmacological effects of methylene and MDMA in humans. *Frontiers in Pharmacology*. 2023;14. doi:10.3389/fphar.2023.1122861.
- Pozio E, Morales MAG. Trichinella and Trichinellosis: From wildlife to the human beings. *Zoonoses: Infections Affecting Humans and Animals*. 2023;529-544. doi:10.1007/978-3-031-27164-9_58.
- Preziosi J, Mignoli AD, Maraschini A, Zambri F, Decenti EC, Tambascia G, Giusti A, *et al.* Il protocollo del progetto prospettico Easy-Net per migliorare l'appropriatezza del ricorso al taglio cesareo nella Regione Calabria. *Recenti Progressi in Medicina*. 2023;114(12):735-739. doi:10.1701/4142.41391.
- Priolo M, Mancini C, Radio FC, Chiriatti L, Ciolfi A, Cappelletti C, Tartaglia M, *et al.* Natural history of MRAS-related Noonan syndrome: Evidence of mild adult-onset left ventricular hypertrophy and neuropsychiatric features. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*. 2023;193(2):160-166. doi:10.1002/ajmg.c.32034.
- Priolo M, Zara E, Radio FC, Ciolfi A, Spadaro F, Bellacchio E, Tartaglia M, *et al.* Clinical profiling of MRD48 and functional characterization of two novel pathogenic RAC1 variants. *European Journal of Human Genetics*. 2023;31(7):805-814. doi:10.1038/s41431-023-01351-7.
- Profumo E, Buttari B, Tosti ME, Salvati B, Capoano R, Riganò R. Increased circulating levels of MIP-1 α and CD14 are associated with the presence of severe stenosis and hypoechoic plaques in patients with carotid atherosclerosis. *International Journal of Immunopathology and Pharmacology*. 2023;37. doi:10.1177/03946320231160411.
- Pulitelli G, Mammone FR, Sadutto D, Tanini D, Cirilli R. Virtual chiral recognition of eugenol derivatives on amylose tris(3-chloro-5-methylphenylcarbamate) chiral stationary phase in unusual normal-phase mode. *Analytica Chimica Acta*. 2023;1279. doi:10.1016/j.aca.2023.341811.
- Puzzo C, D'Angiò R, Albanese S, Orlando D, Mangili I, Capobianco M, Liberati AS, Adriani W. Inheritance of wild and truncated DAT alleles from grand-parents: Opposite transgenerational consequences on the behavioral phenotype in adolescent DAT heterozygous rats. *Neuroscience Letters*. 2023;810. doi:10.1016/j.neulet.2023.137352.
- Raimondo M, Prestinaci F, Aureli F, D'Ettore G, Gaudiano MC. Investigating metformin-active substances from different manufacturing sources by NIR, NMR, high-resolution LC-MS, and chemometric analysis for the prospective classification of legal medicines. *Frontiers in Analytical Science*. 2023;3. doi:10.3389/frans.2023.1091764.
- Ramos-Bonilla JP, Giraldo M, Marsili D, Pasetto R, Terracini B, Mazzeo A, Ascoli V, *et al.* An Approach to Overcome the Limitations of Surveillance of Asbestos Related Diseases in Low-and Middle-Income Countries: What We Learned from the Sibaté Study in Colombia. *Annals of Global Health*. 2023;89(1). doi:10.5334/aogh.4166.
- Ranzi A, Stafoggia M, Giannini S, Ancona C, Bella A, Cattani G, Pezzotti P, Iavarone I. Long-term exposure to ambient air pollution and the incidence of SARS-CoV-2 infections in Italy: The EpiCovAir study. *Epidemiologia e Prevenzione*. 2023;47(3):125-136. doi:10.19191/EP23.3.A605.025.
- Raucci U, Parisi P, Ferro V, Margani E, Vanacore N, Raieli V, Valeriani M, *et al.* Children under 6 years with acute headache in Pediatric Emergency Departments. A 2-year retrospective exploratory multicenter Italian study. *Cephalalgia*. 2023;43(6). doi:10.1177/03331024231164361.
- Razavi HA, Buti M, Terrault NA, Zeuzem S, Yurdaydin C, Tanaka J, Zuckerman E, *et al.* Hepatitis D double reflex testing of all hepatitis B carriers in low-HBV- and high-HBV/HDV-prevalence countries. *Journal of Hepatology*. 2023;79(2):576-580. doi:10.1016/j.jhep.2023.02.041.
- Razavi-Shearer DM, Gamkrelidze I, Pan CQ, Jia J, Berg T, Gray RT, Polaris Observatory Collaborators. Global prevalence, cascade of care, and prophylaxis coverage of hepatitis B in 2022: a modelling study. *The Lancet Gastroenterology and Hepatology*. 2023;8(10):879-907. doi:10.1016/S2468-1253(23)00197-8.
- Razzuoli E, Chirullo B, De Ciucis CG, Mecocci S, Martini I, Zoccola R, Modesto P, *et al.* Animal models of Soft Tissue Sarcoma for alternative anticancer therapy studies: characterization of the A-72 Canine Cell Line. *Veterinary Research Communications*. 2023;47(3):1615-1627. doi:10.1007/s11259-023-10115-z.
- Regine V, Pugliese L, Simonetti A, Marchionni F, Briola G, Saturni V, Suligoi B. Knowledge and behaviours associated with HIV infection and other sexually transmitted infections in blood donors in Italy. *Ann Ist Super Sanita*. 2023;59(3):180-186. doi:10.4415/ANN_23_03_02.

- Remigante A, Spinelli S, Patanè GT, Barreca D, Straface E, Gambardella L, Morabito R, *et al.* AAPH-induced oxidative damage reduced anion exchanger 1 (SLC4A1/AE1) activity in human red blood cells: protective effect of an anthocyanin-rich extract. *Frontiers in Physiology*. 2023;14. doi:10.3389/fphys.2023.1303815.
- Remigante A, Spinelli S, Straface E, Gambardella L, Russo M, Cafeo G, Morabito R, *et al.* Mechanisms underlying the anti-aging activity of bergamot (*Citrus bergamia*) extract in human red blood cells. *Frontiers in Physiology*. 2023;14. doi:10.3389/fphys.2023.1225552.
- Remigante A, Straface E, D'Alessandro A, Morabito R. Editorial: Erythrocytes as a target of oxidative stress in blood. *Frontiers in Physiology*. 2023;14. doi:10.3389/fphys.2023.1310053.
- Remoli G, Tariciotti L, Remore LG, Palmisciano P, Sciancalepore F, Canevelli M, Vanacore N, *et al.* An updated overview of recent and ongoing deep brain stimulation (DBS) trials in patients with dementia: a systematic review. *Neurological Sciences*. 2023;44(10):3395-3427. doi:10.1007/s10072-023-06821-w.
- Rendina M, Barone M, Lillo C, Trapani S, Masiero L, Trerotoli P, Di Leo A, *et al.* The Italian data on SARS-CoV-2 infection in transplanted patients support an organ specific immune response in liver recipients. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1203854.
- Renzi A, Fedele F, Di Trani M. Assisted reproductive treatments, quality of life, and alexithymia in couples. *Healthcare (Switzerland)*. 2023;11(7). doi:10.3390/healthcare11071026.
- Renzi A, Mariani R, Fedele F, Maniaci VG, Petrovska E, D'Amelio R, Mazzoni G, Di Trani M. Women's narratives on infertility as a traumatic event: An exploration of emotional processing through the referential activity linguistic program. *Healthcare (Switzerland)*. 2023;11(22). doi:10.3390/healthcare11222919.
- Riccardi MT, Pettinicchio V, Di Pumpo M, Altamura G, Nurchis MC, Markovic R, Damiani G, *et al.* Community-based participatory research to engage disadvantaged communities: Levels of engagement reached and how to increase it. A systematic review. *Health Policy*. 2023;137. doi:10.1016/j.healthpol.2023.104905.
- Ricci D, Etna MP, Severa M, Fiore S, Rizzo F, Iannetta M, Coccia EM, *et al.* Novel evidence of Thymosin $\alpha 1$ immunomodulatory properties in SARS-CoV-2 infection: Effect on innate inflammatory response in a peripheral blood mononuclear cell-based in vitro model. *International Immunopharmacology*. 2023;117. doi:10.1016/j.intimp.2023.109996.
- Rivero-Contreras M, Saldaña D, Micai M. An introduction to theory of mind: fundamental concepts and issues. *Logic, Argumentation and Reasoning*. 2023;34:11-33. doi:10.1007/978-3-031-46742-4_2.
- Rizzo F, Houen G. Editorial: Immune evasion mechanisms and their role in the pathogenesis of autoimmune disorders. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1267922.
- Robbiati C, Milano A, Declich S, Di Domenico K, Mancini L, Pizzarelli S, Dente MG, *et al.* One health adoption within prevention, preparedness and response to health threats: Highlights from a scoping review. *One Health*. 2023;17. doi:10.1016/j.onehlt.2023.100613.
- Rocchetti MT, Bizzoca D, Moretti L, Ragni E, Moretti FL, Vicenti G, Gnoni A, *et al.* A gel-based proteomic analysis reveals synovial α -enolase and fibrinogen β -chain dysregulation in knee osteoarthritis: A controlled trial. *Journal of Personalized Medicine*. 2023;13(6). doi:10.3390/jpm13060916.
- Rodríguez-Zorrilla S, Lorenzo-Pouso AI, Fais S, Logozzi MA, Mizzoni D, Di Raimo R, Pérez-Sayáns M, *et al.* Increased plasmatic levels of exosomes are significantly related to relapse rate in patients with oral squamous cell carcinoma: A cohort study. *Cancers*. 2023;15(23). doi:10.3390/cancers15235693.
- Romagnoli A, Zovi A, Sabbatucci M, Ferrara F, Vitiello A. Therapeutic innovation and digital therapies in the world: Comparison between the American and European regulatory framework, with focus on Italy. *Journal of Interprofessional Education and Practice*. 2023;32. doi:10.1016/j.xjep.2023.100656.
- Rondón S, Cavallero S, Montalbano Di Filippo M, De Liberato C, Berrilli F, Capitani N, D'Amelio S. Intestinal parasites infecting captive non-human primates in Italy. *Frontiers in Veterinary Science*. 2023;10. doi:10.3389/fvets.2023.1270202.
- Rosa AC, Finocchietti M, Agabiti N, Menè P, Braccaccia ME, Bellini A, Belleudi V, *et al.* Determinants of immunosuppressive therapy in renal transplant recipients: an Italian observational study (the CESIT project). *BMC Nephrology*. 2023;24(1). doi:10.1186/s12882-023-03325-9.
- Rosa AC, Finocchietti M, Bellini A, Olivetti A, Peritore D, Masiero L, Group ANDCS. Immunosuppressive therapy given to patients after heart or lung transplantation: The Cesit study. *Recenti Progressi in Medicina*. 2023;114(9):523-524. doi:10.1701/4088.40795.

- Rosato S, Biancari F, D'Errigo P, Manno V, Seccareccia F, Cuomo M, Duranti G, Baglio G. Relative survival after adult cardiac surgery: Analysis of the Italian nationwide Registry Data. *Journal of Cardiothoracic and Vascular Anesthesia*. 2023;37(11):2223-2227. doi:10.1053/j.jvca.2023.07.016.
- Rosetti A, Apolloni G, Villani C, Benincori T, Cirilli R. A New C2-symmetric atropisomeric thiophene-based monomer for inherently chiral electroactive materials: Synthesis, HPLC resolution, and absolute configuration assignment. *Applied Sciences (Switzerland)*. 2023;13(3). doi:10.3390/app13031407.
- Rosolen V, Turollo F, Zamaro G, Del Bianco F, Pezzotti P, Castriotta L, Barbone F. COVID-19 vaccination effectiveness in the population of Friuli Venezia Giulia, North-East Italy. Control of bias associated with divergent compliance to policies in a test-negative case-control study. *BMC Public Health*. 2023;23(1). doi:10.1186/s12889-023-17244-9.
- Rossi SS, Frison G, Chericoni S, Bertol E, Favretto D, Pichini S, Vignali C, *et al.* Guidelines for the determination of psychoactive substances in biological samples for forensic toxicology and medico-legal purposes. *Rivista Italiana della Medicina di Laboratorio*. 2023;19(3):192-205. doi:10.23736/S1825-859X.23.00204-9.
- Rossi T, Zamponi R, Chirico M, Pisanu ME, Iorio E, Torricelli F, Pistoni M, *et al.* BETi enhance ATGL expression and its lipase activity to exert their antitumoral effects in triple-negative breast cancer (TNBC) cells. *Journal of Experimental and Clinical Cancer Research*. 2023;42(1). doi:10.1186/s13046-022-02571-3.
- Rovetta A, Garavaglia R, Vitale A, Meccia E, Terefe Tesfaye B, Mezzana P, Accurso V. An improved peer-review system to compensate for scientific misconduct in health-sensitive topics. *Public Health Reviews*. 2023;44. doi:10.3389/phrs.2023.1605601.
- Rüegg SR, Häsler B, Nielsen LR, Buttigieg SC, Santa M, Aragrande M, Zinsstag J, *et al.* A One Health evaluation framework. *Integrated approaches to health: A handbook for the evaluation of One Health*. 2023:38-85. doi:10.3920/9789086868759_005.
- Ruffo GB, Russo R, Casini T, Lombardini L, Orecchia V, Voi V, De Franceschi L, *et al.* Nephrological complications in hemoglobinopathies: SITE good practice. *Journal of Clinical Medicine*. 2023;12(23). doi:10.3390/jcm12237476.
- Ruggeri M, Signorini A, Caravaggio S. Casirivimab and imdevimab: Cost-effectiveness analysis of the treatment based on monoclonal antibodies on outpatients with Covid-19. *PLoS ONE*. 2023;18(2). doi:10.1371/journal.pone.0279022.
- Ruggieri F, Forte G, Bocca B, Casentini B, Bruna Petrangeli A, Salatino A, Gimeno D. Potentially harmful elements released by volcanic ash of the 2021 Tajogaite eruption (Cumbre Vieja, La Palma Island, Spain): Implications for human health. *The Science of the total environment*. 2023;905. doi:10.1016/j.scitotenv.2023.167103.
- Rusconi F, Puglia M, Pacifici M, Brescianini S, Gagliardi L, Nannavecchia AM, Scoppa A, *et al.* Pregnancy outcomes in Italy during COVID-19 pandemic: A population-based cohort study. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2023;130(3):276-284. doi:10.1111/1471-0528.17315.
- Russini V, Giancola ML, Brunetti G, Calbi C, Anzivino E, Nisii C, Nicastrì E, *et al.* A cholera case imported from bangladesh to Italy: Clinico-epidemiological management and molecular characterization in a non-endemic country. *Tropical Medicine and Infectious Disease*. 2023;8(5). doi:10.3390/tropicalmed8050266.
- Sabbatucci M, Vitiello A, Clemente S, Zovi A, Boccellino M, Ferrara F, Rezza G, *et al.* Omicron variant evolution on vaccines and monoclonal antibodies. *Inflammopharmacology*. 2023;31(4):1779-1788. doi:10.1007/s10787-023-01253-6.
- Sadutto D, Guglielmi P, Carradori S, Secci D, Cirilli R. Kinetic study on the base-catalyzed imine-enamine tautomerism of a chiral biologically active Isoxazoline derivative by HPLC on amylose tris(3,5-dimethylphenylcarbamate) chiral stationary phase. *Molecules*. 2023;28(18). doi:10.3390/molecules28186518.
- Saha S, Buttari B, Profumo E, Saso L. Macrotyloma uniflorum extract counteracts oxidative imbalance induced in vitro by sodium oxalate in the rat kidney: In silico prediction of quercetin and kaempferol superiority among fitocomponents. *Journal of Biological Regulators and Homeostatic Agents*. 2023;37(7):3929-3940. doi:10.23812/j.biol.regul.homeost.agents.20233707.388.
- Salciccia S, Frisenda M, Bevilacqua G, Gobbi L, Bucca B, Moriconi M, Sciarra A, *et al.* Exosome analysis in prostate cancer: How they can improve biomarkers' performance. *Current Issues in Molecular Biology*. 2023;45(7):6085-6096. doi:10.3390/cimb45070384.
- Salemme S, Ancidoni A, Locuratolo N, Piscopo P, Lacorte E, Canevelli M, Vanacore N. Advances in amyloid-targeting monoclonal antibodies for Alzheimer's disease: clinical and public health issues. *Expert Review of Neurotherapeutics*. 2023;23(12):1113-1129. doi:10.1080/14737175.2023.2284305.

- Salemme S, Ancidoni A, Vanacore N. Responder analyses for anti-amyloid immunotherapies for Alzheimer's disease: a paradigm shift by regulatory authorities is urgently needed. *Brain Communications*. 2023;5(5). doi:10.1093/braincomms/fcad276.
- Salinas G, Arnaboldi S, Garrigue P, Bonetti G, Cirilli R, Benincori T, Kuhn A. Magnetic field-enhanced redox chemistry on-the-fly for enantioselective synthesis. *Faraday Discussions*. 2023;247:34-44. doi:10.1039/d3fd00041a.
- Salinas G, Malacarne F, Bonetti G, Cirilli R, Benincori T, Arnaboldi S, Kuhn A. Wireless electromechanical enantio-responsive valves. *Chirality*. 2023;35(2):110-117. doi:10.1002/chir.23521.
- Salvatore M, Torrerì P, Grugni G, Rocchetti A, Maghnie M, Patti G, Taruscio D, *et al.* The Italian registry for patients with Prader–Willi syndrome. *Orphanet Journal of Rare Diseases*. 2023;18(1). doi:10.1186/s13023-023-02633-5.
- Samela T, Malorni W, Matarrese P, Mattia G, Alfani S, Abeni D. Gender differences in vitiligo: psychological symptoms and quality of life assessment description. *Frontiers in Psychology*. 2023;14. doi:10.3389/fpsyg.2023.1234734.
- Sammartino MP, Grendene A, Astolfi ML, Marcheggiani S, Mancini L, Vitali M, Visco G, *et al.* Ancient spring waters still emerging and accessible in the Roman Forum area: Chemical-physical and microbiological characterization. *Open Chemistry*. 2023;21(1). doi:10.1515/chem-2023-0366.
- Sampogna G, Di Vincenzo M, Luciano M, Della Rocca B, Albert U, Carmassi C, Fiorillo A, *et al.* The effect of social media and infodemic on mental health during the COVID-19 pandemic: results from the COMET multicentric trial. *Frontiers in Psychiatry*. 2023;14. doi:10.3389/fpsyt.2023.1226414.
- Sanseverino I, Rinaldi AO, Purificato C, Cortese A, Millefiorini E, Gauzzi MC. 1,25(OH)2D3 Differently modulates the secretory activity of IFN-DC and IL4-DC: A study in cells from healthy donors and MS patients. *International Journal of Molecular Sciences*. 2023;24(7). doi:10.3390/ijms24076717.
- Santanelli Di Pompeo F, Sorotos M, Canese R, Valeri M, Roberto C, Di Napoli A, *et al.* Study of the effect of different breast implant surfaces on capsule formation and host inflammatory response in an animal model. *Aesthetic Surgery Journal*. 2023;43(4):506-515. doi:10.1093/asj/sjac301.
- Santilli F, Fabrizi J, Martellucci S, Santacroce C, Iorio E, Pisanu ME, Mattei V, *et al.* Lipid rafts mediate multilineage differentiation of human dental pulp-derived stem cells (DPSCs). *Frontiers in Cell and Developmental Biology*. 2023;11. doi:10.3389/fcell.2023.1274462.
- Santonen T, Louro H, Bocca B, Bousoumah R, Duca RC, Fucic A, Viegas S, *et al.* The HBM4EU chromates study – Outcomes and impacts on EU policies and occupational health practices. *International Journal of Hygiene and Environmental Health*. 2023;248. doi:10.1016/j.ijheh.2022.114099.
- Santoro A, Capri A, Petrone D, Colavita F, Meschi S, Matusali G, Puro V, *et al.* SARS-CoV-2 Breakthrough infections according to the immune response elicited after mRNA third dose vaccination in COVID-19-naïve hospital personnel. *Biomedicine*. 2023;11(5). doi:10.3390/biomedicine11051247.
- Sapienza M, Furia G, La Regina DP, Grimaldi V, Tarsitano MG, Patrizi C, Capelli G, Damiani G. Primary care pediatricians and job satisfaction: a cross sectional study in the Lazio region. *Italian Journal of Pediatrics*. 2023;49(1). doi:10.1186/s13052-023-01511-x.
- Sarti G, Cova I, Cascini S, Bargagli AM, Pomati S, Pantoni L, Canevelli M, *et al.* Caring for migrant patients with dementia: Results of the ImmiDem project. *Recenti Progressi in Medicina*. 2023;114(9). doi:10.1701/4088.40807.
- Saulle E, Spinello I, Quaranta MT, Labbaye C. Advances in understanding the links between metabolism and autophagy in acute myeloid leukemia: From biology to therapeutic targeting. *Cells*. 2023;12(11). doi:10.3390/cells12111553.
- Saviano A, Manosour AA, Raucci F, Merlino F, Marigliano N, Schettino A, Maione F, *et al.* New biologic (Ab-IPL-IL-17) for IL-17-mediated diseases: Identification of the bioactive sequence (nIL-17) for IL-17A/F function. *Annals of the Rheumatic Diseases*. 2023;82(11):1415-1428. doi:10.1136/ard-2023-224479.
- Scafato E, Solfrizzi V, Custodero C, Casieri G, Falco C, Maggipinto R, Panza F, *et al.* Associations of a biopsychosocial frailty phenotype with all-cause dementia, Alzheimer's disease, vascular dementia, and other dementias: the Italian PRoject on the Epidemiology of Alzheimer's disease (IPREA). *GeroScience*. 2023;45(3):2037-2049. doi:10.1007/s11357-023-00781-x.
- Scaini F, Benedetti M, Soggiu ME, Zona A, Settimo G, Beccaloni E. The contaminated sites in the SENTIERI project: an update of legislative, contamination, and sources of environmental exposure aspects in Italy. *Epidemiologia e Prevenzione*. 2023;47(1-2):310-315. doi:10.19191/EP23.1-2-S1.005.

- Scaini S, Medda E, Battaglia M, De Giuli G, Stazi MA, D'Ippolito C, Fagnani C. A twin study of the relationships between cognitive disengagement syndrome and anxiety phenotypes in childhood and adolescence. *Research on Child and Adolescent Psychopathology*. 2023;51(7):949-960. doi:10.1007/s10802-023-01029-0.
- Scala MC, Marchetti M, Superti F, Agamennone M, Campiglia P, Sala M. Rational design of novel peptidomimetics against influenza A virus: Biological and computational studies. *International Journal of Molecular Sciences*. 2023;24(18). doi:10.3390/ijms241814268.
- Scaravelli G, Fedele F, Spoletini R, Monaco S, Renzi A, Di Trani M. Toward a personalized psychological counseling service in assisted reproductive technology centers: A qualitative analysis of couples' needs. *Journal of Personalized Medicine*. 2023;13(1). doi:10.3390/jpm13010073.
- Scarpa F, Azzena I, Ciccozzi A, Giovanetti M, Locci C, Casu M, Ciccozzi M, *et al.* Integrative genome-based survey of the SARS-CoV-2 Omicron XBB.1.16 variant. *International Journal of Molecular Sciences*. 2023;24(17). doi:10.3390/ijms241713573.
- Scarpa F, Azzena I, Locci C, Casu M, Fiori PL, Ciccozzi A, Ciccozzi M, *et al.* Molecular in-depth on the epidemiological expansion of SARS-CoV-2 XBB.1.5. *Microorganisms*. 2023;11(4). doi:10.3390/microorganisms11040912.
- Scarpa F, Bazzani L, Giovanetti M, Ciccozzi A, Benedetti F, Zella D, Ciccozzi M, *et al.* Update on the phylodynamic and genetic variability of marburg virus. *Viruses*. 2023;15(8). doi:10.3390/v15081721.
- Scarpa F, Giovanetti M, Azzena I, Locci C, Casu M, Fiori PL, Ciccozzi M, *et al.* Genome-based survey of the SARS-CoV-2 BF.7 variant from Asia. *Journal of Medical Virology*. 2023;95(4). doi:10.1002/jmv.28714.
- Scarpa F, Imperia E, Azzena I, Giovanetti M, Benvenuto D, Locci C, Ciccozzi M, *et al.* Genetic and structural genome-based survey reveals the low potential for epidemiological expansion of the SARS-CoV-2 XBB.1.5 sublineage. *Journal of Infection*. 2023;86(6):596-598. doi:10.1016/j.jinf.2023.02.039.
- Scarpa F, Imperia E, Ciccozzi A, Pascarella S, Quaranta M, Giovanetti M, Ciccozzi M, *et al.* Khosta: A genetic and structural point of view of the forgotten virus. *Infectious Disease Reports*. 2023;15(3):307-318. doi:10.3390/idr15030031.
- Scarso S, Marchetti G, Russo ML, D'Angelo F, Tosti ME, Bellini A, Declich S, *et al.* Access to vaccination for newly arrived migrants: Developing a general conceptual framework for understanding how to improve vaccination coverage in European Countries. *International Journal of Public Health*. 2023;68. doi:10.3389/ijph.2023.1605580.
- Scattoni ML, Fatta LM, Micai M, Sali ME, Bellomo M, Salvitti T, Puopolo M, *et al.* Autism spectrum disorder prevalence in Italy: a nationwide study promoted by the Ministry of Health. *Child and Adolescent Psychiatry and Mental Health*. 2023;17(1). doi:10.1186/s13034-023-00673-0.
- Scattoni ML, Micai M, Caruso A, Gila L, Fulceri F, Galati G, Garlatti C, *et al.* Mental health among Italian children and adolescents during and after the SARS-CoV-2 pandemic: A professionals' focus group study. *Journal of Clinical Medicine*. 2023;12(13). doi:10.3390/jcm12134270.
- Scattoni ML, Shih A, Schendel D. Editorial: Pathway of care and gaps in services for children and adults with autism spectrum disorder. *Frontiers in Psychiatry*. 2023;14. doi:10.3389/fpsyt.2023.1193166.
- Scaturro M, Del Chierico F, Motro Y, Chaldoupi A, Flountzi A, Moran-Gilad J, Ricci ML, *et al.* Premise plumbing bacterial communities in four European cities and their association with Legionella. *Frontiers in Microbiology*. 2023;2. doi:10.3389/fmicb.2023.1170824.
- Schiavoni I, Olivetta E, Natalucci F, Olivieri G, Lo Presti A, Fedele G, Conti F, *et al.* Evidence of immune response to BNT162b2 COVID-19 vaccine in systemic lupus erythematosus patients treated with Belimumab. *Lupus*. 2023;32(3):394-400. doi:10.1177/09612033221151012.
- Schiavoni I, Palmieri A, Olivetta E, Leone P, Di Lonardo A, Mazzoli A, Stefanelli M, *et al.* T-Cell mediated response after primary and booster SARS-CoV-2 messenger RNA Vaccination in Nursing Home Residents. *Journal of the American Medical Directors Association*. 2023;24(2):140-147.e2. doi:10.1016/j.jamda.2022.11.024.
- Schmitz M, Candelise N, Canaslan S, Altmepfen HC, Matschke J, Glatzel M, Zerr I, *et al.* α -Synuclein conformers reveal link to clinical heterogeneity of α -synucleinopathies. *Translational Neurodegeneration*. 2023;12(1). doi:10.1186/s40035-023-00342-4.
- Schoonjans R, Castenmiller J, Chaudhry Q, Cubadda F, Daskaleros T, Franz R, Tarazona J, *et al.* Regulatory safety assessment of nanoparticles for the food chain in Europe. *Trends in Food Science and Technology*. 2023;134:98-111. doi:10.1016/j.tifs.2023.01.017.

- Sciancalepore F, Fabozzi F, Albino G, Del Baldo G, Di Ruscio V, Laus B, Mastronuzzi A, *et al.* Frequency and characterization of cognitive impairments in patients diagnosed with paediatric central nervous system tumours: a systematic review. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1198521.
- Sciascia S, Roccatello D, Salvatore M, Carta C, Cellai LL, Ferrari G, Taruscio D, *et al.* Unmet needs in countries participating in the undiagnosed diseases network international: an international survey considering national health care and economic indicators. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1248260.
- Segala FV, Patti G, Olal L, De Vita E, Olung N, Papagni R, Saracino A, *et al.* COVID Perceptions among pregnant women living in a malaria hyperendemic rural region in Uganda: A cross-sectional study. *American Journal of Tropical Medicine and Hygiene*. 2023;109(6):1363-1367. doi:10.4269/ajtmh.23-0464.
- Selvarajoo K, Giuliani A. Systems biology and omics approaches for complex human diseases. *Biomolecules*. 2023;13(7). doi:10.3390/biom13071080.
- Serafini B, Rosicarelli B, Veroni C, Aloisi F. Tissue-resident memory T cells in the multiple sclerosis brain and their relationship to Epstein-Barr virus infected B cells. *Journal of Neuroimmunology*. 2023;376. doi:10.1016/j.jneuroim.2023.578036.
- Settimo G, Indinnimeo L, Inglessis M, di Coste A, De Felice M, Morlino R, Avino P. The role of CO₂ and PM in the definition of IAQ in schools. *Healthy Buildings Europe 2023: Beyond Disciplinary Boundaries*. 2023;1:69-73.
- Settimo G, Soggiu ME, Benedetti M, Zona A, Scaini F, Beccaloni E, Marcello I. From the selection of priority pollutants to the analysis of health data in the SENTIERI Project. *Epidemiologia e Prevenzione*. 2023;47(1-2):316-337. doi:10.19191/EP23.1-2-S1.006.
- Settimo G, Yu Y, Gola M, Buffoli M, Capolongo S. Challenges in IAQ for Indoor Spaces: A comparison of the reference guideline values of indoor air pollutants from the governments and international institutions. *Atmosphere*. 2023;14(4). doi:10.3390/atmos14040633.
- Severa M, Rizzo F, Sinigaglia A, Ricci D, Etna MP, Cola G, Coccia EM, *et al.* A specific anti-COVID-19 BNT162b2 vaccine-induced early innate immune signature positively correlates with the humoral protective response in healthy and multiple sclerosis vaccine recipients. *Clinical and Translational Immunology*. 2023;12(3). doi:10.1002/cti2.1434.
- Sgroi G, D'Alessio N, Marucci G, Pacifico L, Buono F, Deak G, Veneziano V, *et al.* Trichinella britovi in wild boar meat from Italy, 2015–2021: A citizen science approach to surveillance. *One Health*. 2023;16. doi:10.1016/j.onehlt.2022.100480.
- Simeoni R, Pirrera A, Meli P, Giansanti D. Promoting universal equitable accessibility: An overview on the impact of assistive technology in the UN, UNICEF, and WHO Web portals. *Healthcare (Switzerland)*. 2023;11(21). doi:10.3390/healthcare11212904.
- Sirbu O, Helmy M, Giuliani A, Selvarajoo K. Globally invariant behavior of oncogenes and random genes at population but not at single cell level. *npj Systems Biology and Applications*. 2023;9(1). doi:10.1038/s41540-023-00290-9.
- Sisto A, Barone M, Giuliani A, Quintiliani L, Bruni V, Tartaglini D, Persichetti P, Tambone V. The body perception, resilience, and distress symptoms in candidates for bariatric surgery and post bariatric surgery. *European Journal of Plastic Surgery*. 2023;46(3):417-425. doi:10.1007/s00238-022-02026-0.
- Smeenk J, Wyns C, De Geyter C, Kupka M, Bergh C, Saiz IC, Ewans A, *et al.* ART in Europe, 2019: results generated from European registries by ESHRE. *Human Reproduction*. 2023;38(12):2321-2338. doi:10.1093/humrep/dead197.
- Smith RP, May HE, Burow E, Meester M, Tobias TJ, Sassu E-L, Daskalov H, *et al.* Assessing pig farm biosecurity measures for the control of Salmonella on European farms. *Epidemiology and Infection*. 2023;151. doi:10.1017/S0950268823001115.
- Sokunbi TO, Unnithan V, Unim B, Odhiambo J, Dauda Z, Effiong FB. Trachoma elimination in Togo: lessons and recommendations for African countries. *Pathogens and Global Health*. 2023;117(2):99-100. doi:10.1080/20477724.2022.2136602.
- Solfrizzi V, Scafato E, Custodero C, Piazzolla G, Capogna L, Procaccio A, Panza F, *et al.* Biopsychosocial frailty and mild cognitive impairment subtypes: Findings from the Italian project on the epidemiology of Alzheimer's disease (IPREA). *Alzheimer's and Dementia*. 2023;19(8):3306-3315. doi:10.1002/alz.12944.
- Solimini R, Ruokolainen O, Cselko Z, Koprivnikar H, Spizzichino L, Papachristou S, Ollila H, *et al.* Good practice statements for the treatment of nicotine dependence. *Tobacco Prevention and Cessation*. 2023;9(July). doi:10.18332/TPC/167964.

- Sollazzo F, Di Nitto M, Rosito L, Torino F, Alvaro R, Lacarbonara F, Vellone E, Durante A. Caregivers' contribution to self-care for patients treated with oral anticancer agents: A qualitative descriptive study. *European Journal of Oncology Nursing*. 2023;64. doi:10.1016/j.ejon.2023.102327.
- Sorbo A, Zoani C, Passeri D. Food Quality and Safety: Advances in analytical methods and applications. *Separations*. 2023;10(5). doi:10.3390/separations10050315.
- Sorice M, Profumo E, Capozzi A, Recalchi S, Riitano G, Di Veroli B, Saso L, Buttari B. Oxidative stress as a regulatory checkpoint in the production of antiphospholipid autoantibodies: The protective role of NRF2 pathway. *Biomolecules*. 2023;13(8). doi:10.3390/biom13081221.
- Sorrentino L, Toscanelli W, Fracella M, De Angelis M, Frasca F, Scagnolari C, Pierangeli A, *et al.* NRF2 antioxidant response and interferon-stimulated genes are differentially expressed in respiratory-syncytial-virus- and rhinovirus-infected hospitalized children. *Pathogens*. 2023;12(4). doi:10.3390/pathogens12040577.
- Spada E, Marcantonio C, Vescio MF, Marascio N, Villano U, Pisani G, Simeoni M, *et al.* Changing epidemiology of hepatitis C in Italy: a population-based survey in a historically high endemic area. *Minerva Medica*. 2023;114(2):191-202. doi:10.23736/S0026-4806.21.07280-3.
- Spigaglia P, Barbanti F, Faccini S, Vescovi M, Criscuolo EM, Ceruti R, Gaspano C, Rosignoli C. Clostridioides difficile in pigs and dairy cattle in Northern Italy: Prevalence, characterization and comparison between animal and human strains. *Microorganisms*. 2023;11(7). doi:10.3390/microorganisms11071738.
- Spigaglia P, Barbanti F, Germinario EAP, Criscuolo EM, Bruno G, Sanchez-Mete L, Fabbri A, *et al.* Comparison of microbiological profile of enterotoxigenic Bacteroides fragilis (ETBF) isolates from subjects with colorectal cancer (CRC) or intestinal pre-cancerous lesions versus healthy individuals and evaluation of environmental factors involved in intestinal dysbiosis. *Anaerobe*. 2023;82. doi:10.1016/j.anaerobe.2023.102757.
- Spila Alegiani S, Morciano C, Menniti-Ippolito F, Da Cas R, Felicetti P, Marchione P, Massari M, *et al.* Postmarketing observational study on the safety of 2021/2022 and 2022/2023 influenza vaccination campaigns in Italy: TheShinISS-Vax|Flu study protocol. *BMJ Open*. 2023;13(8). doi:10.1136/bmjopen-2022-069858.
- Spinelli A, Censi L, Mandolini D, Ciardullo S, Salvatore MA, Mazzarella G, Nardone P. Inequalities in childhood nutrition, physical activity, sedentary behaviour and obesity in Italy. *Nutrients*. 2023;15(18). doi:10.3390/nut15183893.
- Spinelli S, Straface E, Gambardella L, Caruso D, Falliti G, Remigante A, Marino A, Morabito R. Aging injury impairs structural properties and cell signaling in human red blood cells; Açai Berry is a keystone. *Antioxidants*. 2023;12(4). doi:10.3390/antiox12040848.
- Sprega G, Di Giorgi A, Poyatos L, Papaseit E, Pérez-Mañá C, Tini A, Farré M, *et al.* Usefulness of oral fluid for measurement of methylenone and its metabolites: Correlation with plasma drug concentrations and the effect of oral fluid pH. *Metabolites*. 2023;13(4). doi:10.3390/metabo13040468.
- Stafoggia M, Ranzi A, Ancona C, Bauleo L, Bella A, Cattani G, Iavarone I, *et al.* Long-term exposure to ambient air pollution and mortality among four million COVID-19 cases in Italy: The EpiCovAir study. *Environmental Health Perspectives*. 2023;131(5). doi:10.1289/EHP11882.
- Stefana A, Langfus JA, Palumbo G, Cena L, Trainini A, Gigantesco A, Mirabella F. Comparing the factor structures and reliabilities of the EPDS and the PHQ-9 for screening antepartum and postpartum depression: a multigroup confirmatory factor analysis. *Archives of Women's Mental Health*. 2023;26(5):659-668. doi:10.1007/s00737-023-01337-w.
- Stefanucci A, Minosi P, Pieretti S, Tanguturi P, Molnar G, Scioli G, Mollica A, *et al.* Design of analgesic trivalent peptides with low withdrawal symptoms: Probing the antinociceptive profile of novel linear and cyclic peptides as opioid pan ligands. *ACS Chemical Neuroscience*. 2023;14(3):506-515. doi:10.1021/acscchemneuro.3c00005.
- Steimberg N, Alloisio S, Vincentini O, Caloni F, Baderna D, Dellambra E, Scagnoli F, *et al.* CellTox days 2022 – inside the barriers: In vitro models and their applications. *Altex*. 2023;40(1):160-164. doi:10.14573/altex.2211101.
- Stelzle D, Abraham A, Kaminski M, Schmidt V, De Meijere R, Bustos JA, Winkler AS, *et al.* Clinical characteristics and management of neurocysticercosis patients: a retrospective assessment of case reports from Europe. *Journal of Travel Medicine*. 2023;30;1. doi:10.1093/jtm/taac102.
- Stendardo G, Nuccetelli C, Grande S, Palma A, Venoso G, Zicari C, Fattibene P, *et al.* A real-time system to report abnormal events involving staff in a nuclear medicine therapy unit. *Radiation Protection Dosimetry*. 2023;199(8-9):962-969. doi:10.1093/rpd/ncad098.

- Sticchi C, Raso R, Ferrara L, Vecchi E, Ferrero L, Filippi D, Sabbatucci M, *et al.* Increasing number of cases due to *Candida auris* in North Italy, July 2019–December 2022. *Journal of Clinical Medicine*. 2023;12(5). doi:10.3390/jcm12051912.
- Stipa G, Ancidoni A, Vanacore N, Bellomo G. Raw Water and ALS: A unifying hypothesis for the environmental agents involved in ALS. *Annals of Neurosciences*. 2023;30(2):124-132. doi:10.1177/09727531221120358.
- Stoppa G, Minelli G, Manno V, Ceccarelli E, Pasetto R, Fazzo L, Catelan D, *et al.* Methodological approaches to evaluate the over-time mortality in SENTIERI epidemiological surveillance system: a focus on cohort analyses. *Epidemiologia e Prevenzione*. 2023;47(1-2):354-365. doi:10.19191/EP23.1-2-S1.008.
- Straface E, Jacobis ITD, Capriati T, Pretelli I, Grandin A, Mascolo C, Marchili MR, *et al.* The impact of the COVID-19 pandemic on eating disorders risk and symptoms: a retrospective study. *Italian Journal of Pediatrics*. 2023;49(1). doi:10.1186/s13052-023-01443-6.
- Stramba-Badiale C, Tuena C, Goulene KM, Cipresso P, Morelli S, Rossi M, Riva G, *et al.* Enhancing spatial navigation skills in mild cognitive impairment patients: a usability study of a new version of ANTaging software. *Frontiers in Human Neuroscience*. 2023;17. doi:10.3389/fnhum.2023.1310375.
- Stringaro A, Colone M, Cecchetti S, Zeppetella E, Spadaro F, Angiolella L. "In vivo" and "in vitro" antimicrobial activity of *Origanum vulgare* essential oil and its two phenolic compounds on clinical isolates of *Candida* spp. *Archives of Microbiology*. 2023;205(1). doi:10.1007/s00203-022-03355-1.
- Stringaro A, Nordio M, Vazquez-Levin M. Application of myo-inositol and D-chiro-inositol in andrological issues. *A Clinical Guide to Inositols*. 2023:197-211. doi:10.1016/B978-0-323-91673-8.00012-1.
- Stumpo S, Formelli MG, Persano I, Parlagreco E, Lauricella E, Rodriquez MG, Lamberti G, *et al.* Extrapulmonary neuroendocrine carcinomas: Current management and future perspectives. *Journal of Clinical Medicine*. 2023;12(24). doi:10.3390/jcm12247715.
- Stuurman AL, Carmona A, Bicler J, Descamps A, Levi M, Baum U, Ravaldi C, *et al.* Brand-specific estimates of influenza vaccine effectiveness for the 2021–2022 season in Europe: results from the DRIVE multi-stakeholder study platform. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1195409.
- Sullivan M, Fernandez-Aranda F, Camacho-Barcia L, Harkin A, Macri S, Mora-Maltas B, Glennon JC, *et al.* Insulin and disorders of behavioural flexibility. *Neuroscience and Biobehavioral Reviews*. 2023;150. doi:10.1016/j.neubiorev.2023.105169.
- Tabolacci C, De Vita D, Facchiano A, Bozzuto G, Beninati S, Failla CM, Facchiano F, *et al.* Phytochemicals as immunomodulatory agents in melanoma. *International Journal of Molecular Sciences*. 2023;24(3). doi:10.3390/ijms24032657.
- Taccari F, Frondizi F, Salvati F, Giovannenze F, Giacomo PD, Damiano F, Scoppettuolo G, *et al.* Cutaneous diphtheria most likely due to exposure in a detention camp in Libya. *Journal of Travel Medicine*. 2023;30(5). doi:10.1093/jtm/taad073.
- Takuissu GR, Kenmoe S, Ebogo-Belobo JT, Kengne-Ndé C, Mbaga DS, Bowo-Ngandji A, La Rosa G, *et al.* Assessing the prevalence of astroviruses in water environments: A systematic review and meta-analysis. *ACS ES and T Water*. 2023;3(12):3782-3789. doi:10.1021/acsestwater.3c00415.
- Takuissu GR, Kenmoe S, Ebogo-Belobo JT, Kengne-Ndé C, Mbaga DS, Bowo-Ngandji A, La Rosa G, *et al.* Occurrence of hepatitis A virus in water matrices: A systematic review and meta-analysis. *International Journal of Environmental Research and Public Health*. 2023;20(2). doi:10.3390/ijerph20021054.
- Tamburrino A, Claps G, Contessa GM, Pietropaolo A, Cordella F, De Leo V, Pacella D, *et al.* Thermal neutron detection by means of Timepix3. *European Physical Journal Plus*. 2023;138(11). doi:10.1140/epjp/s13360-023-04583-0.
- Tanabe S, Beaton D, Chauhan V, Choi I, Choi J, Clerbaux L-A, Yauk C, *et al.* Report of the 3rd and 4th Mystery of Reactive Oxygen Species Conference. *Altex*. 2023;40(4):689-693. doi:10.14573/altex.2307041.
- Tariciotti L, Fiore G, Carrabba G, Bertani GA, Schisano L, Borsa S, Locatelli M, *et al.* A supervised machine-learning algorithm predicts intraoperative CSF leak in endoscopic transsphenoidal surgery for pituitary adenomas. *Journal of Neurosurgical Sciences*. 2023;67(4):393-407. doi:10.23736/S0390-5616.21.05295-4.
- Tartaglione AM, Paziienza V, Calamandrei G, Ricceri L. A snapshot of gut microbiota data from murine models of Autism Spectrum Disorder: Still a blurred picture. *Neuroscience and Biobehavioral Reviews*. 2023;147. doi:10.1016/j.neubiorev.2023.105105.

- Tartaglione AM, Racca A, Ricceri L. Developmental exposure to polycyclic aromatic hydrocarbons (PAHs): Focus on benzo[a]pyrene neurotoxicity. *Reproductive Toxicology*. 2023;119. doi:10.1016/j.reprotox.2023.108394.
- Taruscio D, Piccioli A. Newborn screening in Italy: a unique program of public health in Europe. *Ann Ist Super Sanita*. 2023;59(1). doi:10.4415/ANN_23_01_01.
- Taruscio D, Salvatore M, Lumaka A, Carta C, Cellai LL, Ferrari G, Posada M, *et al*. Undiagnosed diseases: Needs and opportunities in 20 countries participating in the Undiagnosed Diseases Network International. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1079601.
- Tassi E, Maggioni E, Mauri M, Fagnani C, Agarwal N, Bianchi AM, Brambilla P, *et al*. Environmental effects on brain functional networks in a juvenile twin population. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-30672-2.
- Tassinari R, Tammaro A, Lori G, Tait S, Martinelli A, Cancemi L, Frassanito P, Maranghi F. Risk assessment of transgender people: Development of rodent models mimicking gender-affirming hormone therapies and identification of sex-dimorphic liver genes as novel biomarkers of sex transition. *Cells*. 2023;12(3). doi:10.3390/cells12030474.
- Tassinari R, Tammaro A, Martinelli A, Valeri M, Maranghi F. Sex-specific effects of short-term oral administration of food-grade titanium dioxide nanoparticles in the liver and kidneys of adult rats. *Toxics*. 2023;11(9). doi:10.3390/toxics11090776.
- Tassinari V, Smeriglio A, Stillitano V, Trombetta D, Zilli R, Tassinari R, Di Renzo L, *et al*. Endometriosis treatment: Role of natural polyphenols as anti-inflammatory agents. *Nutrients*. 2023;15(13). doi:10.3390/nu15132967.
- Tast Lahti E, Karamehmedovic N, Riedel H, Blom L, Boel J, Delibato E, Jernberg C, *et al*. One Health surveillance—A cross-sectoral detection, characterization, and notification of foodborne pathogens. *Frontiers in Public Health*. 2023;11. doi:10.3389/fpubh.2023.1129083.
- Temaj G, Telkoparan-Akillilar P, Nuhii N, Chichiarelli S, Saha S, Saso L. Recoding of nonsense mutation as a pharmacological strategy. *Biomedicines*. 2023;11(3). doi:10.3390/biomedicines11030659.
- Terlizzi V, Padoan R, Amato A, Campagna G, Castellani C, Salvatore M. Hidden CFSPID in CF patient registries? The Italian CF Registry experience. *Journal of Cystic Fibrosis*. 2023;22(6):1128-1129. doi:10.1016/j.jcf.2023.07.010.
- Tesoro C, Lelario F, Ciriello R, Bianco G, Acquavia MA, Montoro P, Di Capua A, *et al*. A validated LC–MS/MS method for quantitative determination of L-dopa in Fagioli di Sarconi beans (*Phaseolus vulgaris* L.). *Journal of Mass Spectrometry*. 2023;58(10). doi:10.1002/jms.4952.
- Testa U, Castelli G, Pelosi E. ROS1-Rearranged lung adenocarcinoma: From molecular genetics to target therapy. *Onco*. 2023;3(3):189-204. doi:10.3390/onco3030014.
- Testa U, Castelli G, Pelosi E. The molecular characterization of genetic abnormalities in esophageal squamous cell carcinoma may foster the development of targeted therapies. *Current Oncology*. 2023;30(1):610-640. doi:10.3390/curroncol30010048.
- Testa U, Castelli G, Pelosi E. TP53-mutated myelodysplasia and acute myeloid leukemia. *Mediterranean Journal of Hematology and Infectious Diseases*. 2023;15(1). doi:10.4084/MJHID.2023.038.
- Testa U, Leone G, Pelosi E, Castelli G, Hohaus S. CAR-T Cell therapy in large B cell lymphoma. *Mediterranean Journal of Hematology and Infectious Diseases*. 2023;15(1). doi:10.4084/MJHID.2023.066.
- Testa U, Pelosi E, Castelli G. Genetic, phenotypic, and clinical heterogeneity of NPM1-mutant acute myeloid leukemias. *Biomedicines*. 2023;11(7). doi:10.3390/biomedicines11071805.
- Testa U, Pelosi E, Castelli G. The clinical value of identifying genetic abnormalities that can be targeted in cholangiocarcinomas. *Expert Review of Anticancer Therapy*. 2023;23(2):147-162. doi:10.1080/14737140.2023.2170878.
- Testino G, Scafato E, Patussi V, Balbinot P, Ghiselli A, Caputo F. Alcohol and cancer: a denied association the statement of the Italian society on alcohol (Società Italiana di Alcolologia—SIA). *Alcohol and Alcoholism*. 2023;58(6):683-687. doi:10.1093/alcalc/agad064.
- Toffolutti F, Guzzinati S, De Paoli A, Francisci S, De Angelis R, Crocetti E, Dal Maso L, *et al*. Complete prevalence and indicators of cancer cure: enhanced methods and validation in Italian population-based cancer registries. *Frontiers in Oncology*. 2023;13. doi:10.3389/fonc.2023.1168325.

- Tomaiuolo P, Piras IS, Sain SB, Picinelli C, Baccarin M, Castronovo P, Persico AM, *et al.* RNA sequencing of blood from sex- and age-matched discordant siblings supports immune and transcriptional dysregulation in autism spectrum disorder. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-27378-w.
- Tommasi F, Mancini L. What kind of international legally binding instrument on plastic pollution do we need? *Springer Water*. 2023;1637:23-28. doi:10.1007/978-3-031-34455-8_5.
- Torina A, La Russa F, Blanda V, Peralbo-Moreno A, Casades-Martí L, Di Pasquale L, Ruiz-Fons F, *et al.* Modelling time-series *Aedes albopictus* abundance as a forecasting tool in urban environments. *Ecological Indicators*. 2023;150. doi:10.1016/j.ecolind.2023.110232.
- Tosti ME, Caminada S, Ferrigno L. Reply to: Comments on “Risk of parenterally transmitted hepatitis following exposure to invasive procedures in Italy: SEIEVA surveillance 2000-2021”. *Journal of Hepatology*. 2023;79(5):e189-e190. doi:10.1016/j.jhep.2023.07.020.
- Totti V, Di Michele R, Roi GS, Bartolomei S, Mosconi G, Sella G, Cardillo M, *et al.* Effects of combined strength and endurance training on exercise capacity in kidney transplant cyclists and runners. *Ann Ist Super Sanita*. 2023;59(3):213-218. doi:10.4415/ANN_23_03_07.
- Tralongo P, Mattioli V, Bordonaro R, Di Raimondo F, Ferraù F, Beretta G, Zerilli M, *et al.* Long-term cancer survivors: Concerns and updates. *Journal of Cancer Rehabilitation*. 2023;6(1):21-29. doi:10.48252/JCR73.
- Traversa G. About the (pseudo)reorganisation of the Italian Medicines Agency. *Epidemiologia e prevenzione*. 2023;47(1-2):10-11. doi:10.19191/EP23.1-2.013.
- Traversa G. In support of clinical trial redundancy. *Ricerca e Pratica*. 2023;39(3). doi:10.1707/4055.40365.
- Traversa G. Protect the experts’ work. *Recenti Progressi in Medicina*. 2023;114(4):183-184. doi:10.1701/4009.39883.
- Traversa G. Single arm trials: Statements and expectations compared. *Ricerca e Pratica*. 2023;39(5). doi:10.1707/4118.41126.
- Traversa G. The importance of comparative evaluation. *Ricerca e Pratica*. 2023;39(4). doi:10.1707/4076.40612.
- Trevisan C, Haxhiaj L, Malara A, Abbatecola A, Fedele G, Palmieri A, Onder G, *et al.* Polypharmacy and antibody response to SARS-CoV-2 vaccination in residents of long-term care facilities: The GeroCovid Vax study. *Drugs and Aging*. 2023;40(12):1133-1141. doi:10.1007/s40266-023-01075-9.
- Trevisan C, Raparelli V, Malara A, Abbatecola AM, Noale M, Palmieri A, Onder G, *et al.* Sex differences in the efficacy and safety of SARS-CoV-2 vaccination in residents of long-term care facilities: insights from the GeroCovid Vax study. *Internal and Emergency Medicine*. 2023;18(5):1337-1347. doi:10.1007/s11739-023-03283-y.
- Trevisi R, Ampollini M, Bogi A, Bucci S, Caldognetto E, La Verde G, Pugliese M, *et al.* Radiological protection in industries involving NORM: A (graded) methodological approach to characterize the exposure situations. *Atmosphere*. 2023;14(4). doi:10.3390/atmos14040635.
- Triggiano F, De Giglio O, Apollonio F, Brigida S, Fasano F, Mancini P, Montagna MT, *et al.* Wastewater-based epidemiology and SARS-CoV-2: Variant trends in the Apulia Region (Southern Italy) and effect of some environmental parameters. *Food and Environmental Virology*. 2023;15(4):331-341. doi:10.1007/s12560-023-09565-0.
- Tsuchiya M, Brazhnik P, Bizzarri M, Giuliani A. Synchronization between attractors: Genomic mechanism of cell-fate change. *International Journal of Molecular Sciences*. 2023;24(14). doi:10.3390/ijms241411603.
- Ubong D, Stewart L, Sepai O, Knudsen LE, Berman T, Reynders H, Alvito P, *et al.* Application of human biomonitoring data to support policy development, raise awareness and environmental public health protection among countries within the HBM4EU project. *International Journal of Hygiene and Environmental Health*. 2023;251. doi:10.1016/j.ijheh.2023.114170.
- Udom GJ, Frazzoli C, Ekhaton OC, Onyena AP, Bocca B, Orisakwe OE. Pervasiveness, bioaccumulation and subduing environmental health challenges posed by polycyclic aromatic hydrocarbons (PAHs): A systematic review to settle a one health strategy in Niger Delta, Nigeria. *Environmental Research*. 2023;226. doi:10.1016/j.envres.2023.115620.
- Unim B, Santini M, Latina R, Gambale G, Chiarini M, Nicoli M, Cattaruzza MS. Translation and validation of the Italian version of the incivility in nursing education-revised scale. *Applied Nursing Research*. 2023;73. doi:10.1016/j.apnr.2023.151728.

- Unim B, Schutte N, Thissen M, Palmieri L. Innovative methods used in monitoring COVID-19 in Europe: A multinational study. *International Journal of Environmental Research and Public Health*. 2023;20(1). doi:10.3390/ijerph20010564.
- Urakcheeva I, Laricchiuta P, Ciccarelli P, Biondi A, Ceccarelli S, Torre M. Italian national Registry of implantable prostheses: Invisible until when? *Recenti Progressi in Medicina*. 2023;114(9):555-556. doi:10.1701/4088.40813.
- Urbinati C, Lanzillotta C, Cosentino L, Valenti D, Quattrini MC, Di Crescenzo L, De Filippis B, *et al.* Chronic treatment with the anti-diabetic drug metformin rescues impaired brain mitochondrial activity and selectively ameliorates defective cognitive flexibility in a female mouse model of Rett syndrome. *Neuropharmacology*. 2023;224. doi:10.1016/j.neuropharm.2022.109350.
- Vacca P, Fazio C, Neri A, Ambrosio L, Carannante A, Lista F, Stefanelli P, *et al.* Antimicrobial susceptibility profiles and genotyping of *Neisseria meningitidis* of serogroup C, Italy, 2000–2020. *Frontiers in Microbiology*. 2023;14. doi:10.3389/fmicb.2023.1272123.
- Valentini R, Carrani E, Torre M, Lenzerini M. Ontology-based data management in healthcare: The case of the Italian arthroplasty Registry. *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. 2023;14318:88-101. doi:10.1007/978-3-031-47546-7_7.
- Valeri F, Bartolucci M, Cantoni E, Carpi R, Cisbani E, Cupparo I, Taddeucci A, *et al.* UNet and MobileNet CNN-based model observers for CT protocol optimization: comparative performance evaluation by means of phantom CT images. *Journal of Medical Imaging*. 2023;10. doi:10.1117/1.JMI.10.S1.S11904.
- Van Damme P, Moreno PA, Bernabé CH, Ballesteros AC, Le Cornec CMA, Vieira BDS, Benis N, *et al.* A Resource for guiding data stewards to make European rare disease patient registries FAIR. *Data Science Journal*. 2023;22. doi:10.5334/dsj-2023-012.
- van der Schyff V, Kalina J, Abballe A, Iamiceli AL, Govarts E, Melymuk L. Has regulatory action reduced human exposure to flame retardants? *Environmental Science and Technology*. 2023;57(48):19106-19124. doi:10.1021/acs.est.3c02896.
- Van Duijkeren E, Rantala M, Bouchard D, Busani L, Catry B, Kaspar H, Schwarz C, *et al.* The use of aminopenicillins in animals within the EU, emergence of resistance in bacteria of animal and human origin and its possible impact on animal and human health. *Journal of Antimicrobial Chemotherapy*. 2023;78(8):1827-1842. doi:10.1093/jac/dkad157.
- van Nieuwkerk AC, Aarts HM, Hemelrijk KI, Cantón T, Tchétché D, de Brito FS, Delewi R, *et al.* Bleeding in patients undergoing transfemoral transcatheter aortic valve replacement: Incidence, trends, clinical outcomes, and predictors. *JACC: Cardiovascular Interventions*. 2023;16(24):2951-2962. doi:10.1016/j.jcin.2023.10.011.
- Vanacore N, Traversa G. The difficult balance of new drugs for Alzheimer's dementia. *Ricerca e Pratica*. 2023;39(6). doi:10.1707/4149.41461.
- Vandenbergh G, Vierin A, Bloemenkamp K, Berlage S, Colmorn L, Deneux-Tharaux C, Roelens K, *et al.* Incidence and outcomes of uterine rupture in women with unscarred, preterm or prelabour uteri: data from the international network of obstetric survey systems. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2023;130(12):1493-1501. doi:10.1111/1471-0528.17517.
- Vanni I, Iacobone F, D'Agostino C, Giovannelli M, Pirisinu L, Altmeppen HC, Nonno R, *et al.* An optimized Western blot assay provides a comprehensive assessment of the physiological endoproteolytic processing of the prion protein. *Journal of Biological Chemistry*. 2023;299(2). doi:10.1016/j.jbc.2022.102823.
- Vari MR, Pichini S, Malaca S, Di Trana A, La Maida N, Graziano S, Busardò FP, *et al.* Target analysis of NPS in oral fluid. *Methods in Pharmacology and Toxicology*. 2023;145-197. doi:10.1007/978-1-0716-2605-4_7.
- Vari R, Silenzi A, d'Amore A, Catena A, Masella R, Scazzocchio B. MaestraNatura reveals its effectiveness in acquiring nutritional knowledge and skills: Bridging the gap between girls and boys from primary school. *Nutrients*. 2023;15(6). doi:10.3390/nu15061357.
- Varricchio L, Geer EB, Martelli F, Mazzarini M, Funnell A, Bieker JJ, Papayannopoulou T, Migliaccio AR. Patients with hypercortisolemic Cushing disease possess a distinct class of hematopoietic progenitor cells leading to erythrocytosis. *Haematologica*. 2023;108(4):1053-1067. doi:10.3324/haematol.2021.280542.
- Varrone E, Carnicelli D, He X, Grasse M, Stampfer K, Huber S, Brigotti M, *et al.* Detection of Cleaved Stx2a in the blood of STEC-infected patients. *Toxins*. 2023;15(12). doi:10.3390/toxins15120690.
- Vasilev S, Ciupescu LM, Lalkovski N, Balic D, Vasilev D, Marucci G. Trichinella proficiency testing in Southeastern European countries. *Veterinary Parasitology*. 2023;320. doi:10.1016/j.vetpar.2023.109982.

- Vecchi S, Benedetti M, Fazzo L, Bruno C, Zona A. SENTIERI project: a systematic review on the association between sources of environmental exposure in contaminated sites and health outcomes. *Epidemiologia e Prevenzione*. 2023;47(1-2):289-309. doi:10.19191/EP23.1-2-S1.004.
- Venosa M, Romanini E, Ciminello E, Cerciello S, Angelozzi M, Calvisi V. Telerehabilitation is a valid option for total knee arthroplasty patients: A retrospective pilot study based on our experience during the COVID-19 pandemic. *Healthcare (Switzerland)*. 2023;11(18). doi:10.3390/healthcare11182489.
- Venturelli F, Mancuso P, Vicentini M, Ottone M, Storch C, Roncaglia F, Giorgi Rossi P, *et al*. High temperature, COVID-19, and mortality excess in the 2022 summer: a cohort study on data from Italian surveillances. *Science of the Total Environment*. 2023;887. doi:10.1016/j.scitotenv.2023.164104.
- Verachi P, Gobbo F, Martelli F, Falchi M, di Virgilio A, Sarli G, Migliaccio AR, *et al*. Preclinical studies on the use of a P-selectin-blocking monoclonal antibody to halt progression of myelofibrosis in the Gata1 mouse model. *Experimental Hematology*. 2023;117:43-61. doi:10.1016/j.exphem.2022.09.004.
- Vicentini C, Rusotto A, Bazzolo S, Rolfini E, Blengini V, Gamba D, Zotti CM, *et al*. Implementation of a centralized, web-based surveillance for healthcare associated infections among residents of long-term care facilities in Italy. *Public Health in Practice*. 2023;6. doi:10.1016/j.puhip.2023.100421.
- Vicentini M, Venturelli F, Mancuso P, Bisaccia E, Zerbini A, Massari M, Santagiuliana M, *et al*. Risk of SARS-CoV-2 reinfection by vaccination status, predominant variant and time from prior infection: a cohort study, Reggio Emilia province, Italy, February 2020 to February 2022. *Eurosurveillance*. 2023;28(13). doi:10.2807/1560-7917.ES.2023.28.13.2200494.
- Viltrop A, Niine T, Tobias T, Sassu EL, Bartolo ID, Pavoni E, Smith RP, *et al*. A review of slaughter practices and their effectiveness to control Microbial – esp. Salmonella spp. – contamination of pig carcasses. *Journal of Food Protection*. 2023;86(11). doi:10.1016/j.jfp.2023.100171.
- Vinci GV, Benzi R, Mattia M. Self-consistent stochastic dynamics for finite-size networks of spiking neurons. *Physical Review Letters*. 2023;130(9). doi:10.1103/PhysRevLett.130.097402.
- Vitale A, Branchi I. 'Is my animal smarter than yours?': Concerns in comparing animal intelligence. *Acta Philosophica*. 2023;32(1):75-94. doi:10.19272/202300701005.
- Vitaliti A, Roccatani I, Iorio E, Perta N, Gismondi A, Chirico M, Rossi L, *et al*. AKT-driven epithelial-mesenchymal transition is affected by copper bioavailability in HER2 negative breast cancer cells via a LOXL2-independent mechanism. *Cellular Oncology*. 2023;46(1):93-115. doi:10.1007/s13402-022-00738-w.
- Vitiello A, Ferrara F, Boccellino M, Ponzo A, Cimmino C, Comberiati E, Sabbatucci M, *et al*. Antifungal drug resistance: An emergent health threat. *Biomedicines*. 2023;11(4). doi:10.3390/biomedicines11041063.
- Vitiello A, Sabbatucci M, Silenzi A, Capuano A, Rossi F, Zovi A, Blasi F, Rezza G. The impact of SARS-CoV-2 infection in patients with cystic fibrosis undergoing CFTR channel modulators treatment: a literature review. *Respiratory Research*. 2023;24(1). doi:10.1186/s12931-023-02593-1.
- Vivarelli C, Censi F, Calcagnini G, De Ruvo E, Calò L, Mattei E. 5G Service and pacemakers/implantable defibrillators: What is the actual risk? *International Journal of Environmental Research and Public Health*. 2023;20(5). doi:10.3390/ijerph20054512.
- Waldock J, Remarque EJ, Zheng L, Ho S, Hoschler K, Neumann B, Engelhardt OG, *et al*. Haemagglutination inhibition and virus microneutralisation serology assays: use of harmonised protocols and biological standards in seasonal influenza serology testing and their impact on inter-laboratory variation and assay correlation: A FLUCOP collaborative study. *Frontiers in Immunology*. 2023;14. doi:10.3389/fimmu.2023.1155552.
- Wedemeyer H, Tergast TL, Lazarus JV, Razavi H, Bakoyannis K, Baptista-Leite R, Hatzakis A, *et al*. Securing wider EU commitment to the elimination of hepatitis C virus. *Liver International*. 2023;43(2):276-291. doi:10.1111/liv.15446.
- Yao K, Bergamasco M, Scattoni ML, Vogel AP. A review of ultrasonic vocalizations in mice and how they relate to human speech). *Journal of the Acoustical Society of America*. 2023;154(2):650-660. doi:10.1121/10.0020544.
- Zamboni S, D'Ambrosio A, Margutti P. Extracellular vesicles as contributors in the pathogenesis of multiple sclerosis. *Multiple Sclerosis and Related Disorders*. 2023;71. doi:10.1016/j.msard.2023.104554.
- Zambri F, Nannavecchia AM, Brescianini S, Rusconi F, Corsi Decenti E, Puglia M, Giusti A, *et al*. Breastfeeding and presence of the companion of woman's choice during COVID-19 pandemic in Italy: regional population-based routine data and best practices at birth. *Epidemiologia e prevenzione*. 2023;47(4-5):263-272. doi:10.19191/EP23.4-5.A587.066.

- Zanfino G, Puzzo C, de Laurenzi V, Adriani W. Characterization of behavioral phenotypes in heterozygous DAT rat based on pedigree. *Biomedicines*. 2023;11(9). doi:10.3390/biomedicines11092565.
- Zanobini P, Bonaccorsi G, Giusti M, Minardi V, Possenti V, Masocco M, Lorini C, *et al.* Health literacy and breast cancer screening adherence: Results from the population of Tuscany, Italy. *Health Promotion International*. 2023;38(6). doi:10.1093/heapro/daad177.
- Zappi A, Persano I, Galvani L, Parlagreco E, Andrini E, Campana D, La Salvia A, *et al.* Chemotherapy in well differentiated neuroendocrine tumors (NET) G1, G2, and G3: A narrative review. *Journal of Clinical Medicine*. 2023;12(2). doi:10.3390/jcm12020717.
- Zazzara MB, Colloca GF, Maraschini A, Bellieni A, Dispenza S, Meloni E, Onder G, *et al.* Causes of deaths in long-term care and hospice care facilities during the first year of COVID-19 pandemic: a snapshot of Italy during 2020. *Aging Clinical and Experimental Research*. 2023;35(6):1385-1392. doi:10.1007/s40520-023-02426-7.
- Zenobi E, Merco M, Mochi F, Ruspi J, Pecci R, Marchese R, Ledda M, *et al.* Tailoring the microarchitectures of 3D printed bone-like scaffolds for tissue engineering applications. *Bioengineering*. 2023;10(5). doi:10.3390/bioengineering10050567.
- Zenobi E, Scatena E, Ioppolo P, Pecci R, Quadrini F, Brunetti B, Grasso G, Dragone R. Disruptive material technologies to address microbial hazards for space human exploration. *Proceedings of the International Astronautical Congress, IAC*. 2023;2023.
- Zenobi E, Scatena E, Panizza L, Pecci R, Lisi A, Ledda M, Del Gaudio C. 3D printed biomimetic scaffolds for bone-cells microgravity response. *Proceedings of the International Astronautical Congress, IAC*. 2023;2023.
- Zhou B, Sheffer KE, Bennett JE, Gregg EW, Danaei G, Singleton RK, NCD Risk Factor Collaboration (NCD-RisC). Global variation in diabetes diagnosis and prevalence based on fasting glucose and hemoglobin A1c. *Nature Medicine*. 2023;29(11):2885-2901. doi:10.1038/s41591-023-02610-2.
- Zito S, Poluzzi E, Pierantozzi A, Onder G, Da Cas R, Ippoliti I, Lunghi C, Cangini A, Trotta F. Medication use in Italian nursing homes: preliminary results from the national monitoring system. *Frontiers in Pharmacology*. 2023;14. doi:10.3389/fphar.2023.1128605.
- Zona A, Fazzo L, Benedetti M, Bruno C, Vecchi S, Pasetto R, Iavarone I, *et al.* SENTIERI - Epidemiological study of residents in national priority contaminated sites. Sixth report. *Epidemiologia e prevenzione*. 2023;47(12):1-286. doi:10.19191/EP23.1-2-S1.003.
- Zoratto F, Pisa E, Soldati C, Barezzi C, Ottomana AM, Presta M, Santangelo V, Macrì S. Automation at the service of the study of executive functions in preclinical models. *Scientific Reports*. 2023;13(1). doi:10.1038/s41598-023-43631-8.
- Zuffianò A, Caprara G, Zamparini M, Calamandrei G, Candini V, Malvezzi M, de Girolamo G, *et al.* The Role of 'Positivity' and big five traits during the COVID-19 pandemic: An Italian national representative survey. *Journal of Happiness Studies*. 2023;24(8):2813-2830. doi:10.1007/s10902-023-00705-8.

ANNO 2024

- Abdel-Haq H. Feasibility of using a type I IFN-based non-animal approach to predict vaccine efficacy and safety profiles. *Vaccines*. 2024;12(6). doi:10.3390/vaccines12060583.
- Abdulai PM, Sam K, Onyena AP, Ezejiofor AN, Frazzoli C, Ekhatior OC, Udom GJ, Orisakwe OE, *et al.* Persistent organic pollutants and heavy metals in Ghanaian environment: a systematic review of food safety implications. *Environmental Monitoring and Assessment*. 2024;196(4). doi:10.1007/s10661-024-12500-w.
- Acampora A, Angelici L, Deroma L, Tullio A, Ciccone G, Pagano E, Agabiti N, *et al.* The network of the EASY-NET programme: a contribution to knowledge on the effectiveness of audit&feedback. *Epidemiologia e Prevenzione*. 2024;48(6):476-483. doi:10.19191/EP24.6.A773.130.
- Accchioni C, Sandini S, Accchioni M, Sgarbanti M. Co-infections and superinfections between HIV-1 and other human viruses at the cellular level. *Pathogens*. 2024;13(5). doi:10.3390/pathogens13050349.
- Adorisio S, Fierabracci A, Cham BT, Hoang VD, Thuy Linh NT, Nhung LTH, Delfino DV, *et al.* Modulatory effect of cucurbitacin D from *elaecarpus hainanensis* on ZNF217 oncogene expression in NPM-mutated acute myeloid leukemia. *Pharmaceuticals*. 2024;17(12). doi:10.3390/ph17121561.
- Aguilar-Lacasaña S, Fontes Marques I, de Castro M, Dadvand P, Escribà X, Fossati S, Bustamante M, *et al.* Green space exposure and blood DNA methylation at birth and in childhood – A multi-cohort study. *Environment International*. 2024;188. doi:10.1016/j.envint.2024.108684.
- Ajibo DN, Orish CN, Ruggieri F, Bocca B, Battistini B, Frazzoli C, Orish FC, Orisakwe OE. An update overview on mechanistic data and biomarker levels in cobalt and chromium-induced neurodegenerative diseases. *Biological Trace Element Research*. 2024;202(8):3538-3564. doi:10.1007/s12011-023-03965-w.
- Aldridge SJ, Schmidt AE, Thißen M, Bernal-Delgado E, Estupiñán-Romero F, González-Galindo J, Lyons RA, *et al.* Has the COVID-19 pandemic changed existing patterns of non-COVID-19 health care utilization? A retrospective analysis of six regions in Europe. *European Journal of Public Health*. 2024;34(1):i67-i73. doi:10.1093/eurpub/ckad180.
- Tammaro A, Lori G, Martinelli A, Cancemi L, Tassinari R, Maranghi F. Risk assessment of transgender people: implementation of a demasculinizing–feminizing rodent model including the evaluation of thyroid homeostasis. *Biology Direct*. 2024;19(1). doi:10.1186/s13062-023-00450-1.
- Alfano F, Lucibelli MG, Serra F, Levante M, Rea S, Gallo A, Amoroso MG, *et al.* Identification of Aichivirus in a pet rat (*Rattus norvegicus*) in Italy. *Animals*. 2024;14(12). doi:10.3390/ani14121765.
- Ali-Mohammadzadeh B, Cisbani E, Gustavino C. New experimental approach to probe the X17 existence. *Frascati Physics Series*. 2024;76:28-34.
- Alleva E, Falsini S. How stifling scientometrics is sterilizing the creativity of young scientists. *AIB Studi*. 2024;64(3):317-318. doi:10.2426/aibstudi-14137.
- Aloisi F, De Chiara G. Infections and neurodegenerative diseases: A complex, still enigmatic connection. *Journal of Neuroimmunology*. 2024;394. doi:10.1016/j.jneuroim.2024.578412.
- Aloisi F, Salvetti M. EBV infection drives MS pathology: Yes. *Multiple Sclerosis Journal*. 2024;30(4-5):483-485. doi:10.1177/13524585241235825.
- Amadio F, Bongiorno S, Varalda GM, Marcon F, Meschini R. Di(2-ethylexyl) phthalate and chromosomal damage: Insight on aneugenicity from the cytochalasin-block micronucleus assay. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*. 2024;898. doi:10.1016/j.mrgentox.2024.503791.
- Amato B, Ippolito D, Vitale M, Alduina R, Galluzzo P, Gerace E, Di Marco Lo Presti V, *et al.* Comparative study of *Mycobacterium bovis* and *Mycobacterium avium* subsp. *paratuberculosis* in vitro infection in bovine bone marrow derived macrophages: Preliminary results. *Microorganisms*. 2024;12(2). doi:10.3390/microorganisms12020407.
- Ameline A, Gheddar L, Pichini S, Stove C, Aknouche F, Maruejols C, Raul J-S, Kintz P. In vitro characterization of protonitazene metabolites, using human liver microsomes, and first application to two urines collected from death cases. *Clinica Chimica Acta*. 2024;561. doi:10.1016/j.cca.2024.119764.

- Amore E, Cenni V, Piazzì M, Signore M, Orlandi G, Neri S, Palumbo C, *et al.* Myoblast-derived Galectin 3 impairs the early phases of osteogenesis affecting notch and akt activity. *Biomolecules*. 2024;14(10). doi:10.3390/biom14101243.
- Amoroso MG, Pucciarelli A, Serra F, Ianiro G, Iafusco M, Fiorito F, Fusco G, *et al.* Ten different viral agents infecting and co-infecting children with acute gastroenteritis in Southern Italy: Role of known pathogens and emerging viruses during and after COVID-19 pandemic. *Journal of Medical Virology*. 2024;96(5). doi:10.1002/jmv.29679.
- Amrouch C, Vauterin D, Amrouch S, Grymonprez M, Dai L, Damiano C, Petrovic M, *et al.* Potentially inappropriate prescribing in multimorbid and polymedicated older adults with AF: A systematic review and meta-analysis. *Drugs and Aging*. 2024;41(1):13-30. doi:10.1007/s40266-023-01078-6.
- Amrouch C, Vetrano DL, Damiano C, Dai L, Calderón-Larrañaga A, Grymonprez M, Petrovic M, *et al.* Potentially inappropriate prescribing in polymedicated older adults with atrial fibrillation and multimorbidity: a Swedish national register-based cohort study. *Frontiers in Pharmacology*. 2024;15. doi:10.3389/fphar.2024.1476464.
- Amyx M, Philibert M, Farr A, Donati S, Smáráson AK, Tica V, Zeitlin J, *et al.* Trends in caesarean section rates in Europe from 2015 to 2019 using Robson's Ten Group Classification System: A Euro-Peristat study. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2024;131(4):444-454. doi:10.1111/1471-0528.17670.
- Ancona A, Corea F, Lombardo C, Gentili D, Mistretta A. Serious games in child and adolescent health education campaigns: a systematic review. *Ann Ist Super Sanita*. 2024;60(4):274-282. doi:10.4415/ANN_24_04_06.
- Andreu-Fernández V, La Maida N, Marquina M, Mirahi A, García-Algar O, Pichini S, Minutillo A. Novel interventions on comorbidities in patients with fetal alcohol spectrum disorder (FASD): An integrative review. *Biomedicines*. 2024;12(3). doi:10.3390/biomedicines12030496.
- Anello P, Esposito G. Biological effects in normal human fibroblasts following chronic and acute irradiation with both low- and high-LET radiation. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1404748.
- Antinozzi M, Caminada S, Amendola M, Cammalleri V, Dorelli B, Giffi M, Cattaruzza MS, *et al.* Perceptions of tobacco price policy among students from Sapienza University of Rome: Can this policy mitigate smoking addiction and its health impacts? *Healthcare (Switzerland)*. 2024;12(9). doi:10.3390/healthcare12090944.
- Aragona M, Ferrari F, Cavallo M, Pierconti S, Pajno C, Coletta P, Laurendi G, *et al.* Phenomenology of somatization in immigrants: An idealtypical approach. *Psychopathology*. 2024;57(5):399-411. doi:10.1159/000538460.
- Arasi MB, De Luca G, Chronopoulou L, Pedini F, Petrucci E, Flego M, Felli N, *et al.* MiR126-targeted-nanoparticles combined with PI3K/AKT inhibitor as a new strategy to overcome melanoma resistance. *Molecular Therapy*. 2024;32(1):152-167. doi:10.1016/j.ymthe.2023.11.021.
- Arfeuille C, Vial Y, Cadenet M, Caye-Eude A, Fenneteau O, Neven Q, Cavé H, *et al.* Germline bi-allelic SH2B3/LNK alteration predisposes to a neonatal juvenile myelomonocytic leukemia-like disorder. *Haematologica*. 2024;109(8):2542-2554. doi:10.3324/haematol.2023.283917.
- Armocida B, Formenti B, Silano M, Aszalos A, Bueno H, Elyamani M, Onder G, *et al.* Tackling the challenge of cardiovascular diseases and diabetes across Europe: a joint action by more than 300 public health professionals. *Ann Ist Super Sanita*. 2024;60(1):4-7. doi:10.4415/ANN_24_01_02.
- Arnaldi D, Mattioli P, Raffa S, Pardini M, Massa F, Iranzo A, Morbelli S, *et al.* Presynaptic dopaminergic imaging characterizes patients with REM sleep behavior disorder due to synucleinopathy. *Annals of Neurology*. 2024;95(6):1178-1192. doi:10.1002/ana.26902.
- Arndt MB, Aravkin AY, Bhattacharjee NV, Chalek J, Dai X, Dandona L, GBD 2023 Cancer Collaborators. Global, regional, and national progress towards the 2030 global nutrition targets and forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;404(10471):2543-2583. doi:10.1016/S0140-6736(24)01821-X.
- Arnold N, Blaum C, Goßling A, Brunner FJ, Bay B, Ferrario MM, Waldeyer C, *et al.* C-reactive protein modifies lipoprotein(a)-related risk for coronary heart disease: the BiomarCaRE project. *European Heart Journal*. 2024;45(12):1043-1054. doi:10.1093/eurheartj/ehad867.
- Arnold N, Blaum C, Goßling A, Brunner FJ, Bay B, Zeller T, Koenig W, *et al.* Impact of lipoprotein(a) level on low-density lipoprotein cholesterol- or apolipoprotein B-related risk of coronary heart disease. *Journal of the American College of Cardiology*. 2024;84(2):165-177. doi:10.1016/j.jacc.2024.04.050.
- Arpa G, Vanoli A, Antoci F, Lenti MV, Di Sabatino A, Guerini C, Graham RP, *et al.* A clinicopathologic comparison between early-onset and late-onset small bowel adenocarcinoma: A multicenter international study. *American Journal of Gastroenterology*. 2024;119(3):576-579. doi:10.14309/ajg.0000000000002585.

- Arsini L, Caccia B, Ciardiello A, De Gregorio A, Franciosini G, Giagu S, Mancini-Terracciano C, *et al.* Fast and precise dose estimation for very high energy electron radiotherapy with graph neural networks. *Frontiers in Physics*. 2024;12. doi:10.3389/fphy.2024.1443306.
- Ascione A, Belfiore M, Vesterinen J, Buda M, Holtkamp W, Luciani F. Charge heterogeneity of therapeutic monoclonal antibodies by different cIEF systems: views on the current situation. *mAbs*. 2024;16(1). doi:10.1080/19420862.2024.2313737.
- Augello M, Wagenhäuser I, Krone M, Dauby N, Ferrara P, Sabbatucci M, Epaulard O, *et al.* Should SARS-CoV-2 serological testing be used in the decision to deliver a COVID-19 vaccine booster? A pro-con assessment. *Vaccine*. 2024;42(25). doi:10.1016/j.vaccine.2024.126184.
- Aventaggiato M, Valentini F, Caissutti D, Relucenti M, Tafani M, Misasi R, Mardente S, *et al.* Biological effects of small sized graphene oxide nanosheets on human leukocytes. *Biomedicines*. 2024;12(2). doi:10.3390/biomedicines12020256.
- Azzolino D, Bertoni C, De Cosmi V, Spolidoro GCI, Agostoni C, Lucchi T, Mazzocchi A. Omega-3 polyunsaturated fatty acids and physical performance across the lifespan: a narrative review. *Frontiers in Nutrition*. 2024;11. doi:10.3389/fnut.2024.1414132.
- Bach Habersaat K, Koylyu A, Likki T, Fietje N, Scherzer M, Snijders V, Butler R, *et al.* Meeting statement: Call to action for step-change in health behaviours. *Public Health in Practice*. 2024;7. doi:10.1016/j.puhip.2024.100498.
- Bacigalupo I, Finocchietti M, Paoletti O, Bargagli AM, Brunori P, Lombardi N, Kirchmayer U, *et al.* Incidence and prevalence of Amyotrophic Lateral Sclerosis in three Italian Regions: a study based on health administrative databases. *Epidemiologia e prevenzione*. 2024;48(3):201-209. doi:10.19191/EP24.3.A710.055.
- Bacigalupo I, Giaquinto F, Salvi E, Carnevale G, Vaccaro R, Matascioli F, Permanent Table of the National Dementia Plan Study Group and the CCDDs Study Group. A new national survey of centers for cognitive disorders and dementias in Italy. *Neurological Sciences*. 2024;45(2):525-538. doi:10.1007/s10072-023-06958-8.
- Bagordo F, Grassi T, Rota MC, Castiglia P, Baldovin T, Polla GD, Napolitano F, *et al.* Seroprotection against tetanus in the Italian general population. *Vaccine*. 2024;42(19):4040-4045. doi:10.1016/j.vaccine.2024.05.015.
- Bailo P, Piccinini A, Barbara G, Caruso P, Bollati V, Gaudi S. Epigenetics of violence against women: a systematic review of the literature. *Environmental Epigenetics*. 2024;10(1). doi:10.1093/eeep/dvae012.
- Balaska S, Khajehali J, Mavridis K, Akiner M, Papapostolou KM, Remadi L, Vontas J, *et al.* Development and application of species ID and insecticide resistance assays, for monitoring sand fly *Leishmania* vectors in the Mediterranean basin and in the Middle East. *PLoS Neglected Tropical Diseases*. 2024;18(12). doi:10.1371/journal.pntd.0012408.
- Balestrieri M, Chiantore MV, Garbuglia AR, Carnovale-Scalzo C, Falcucci S, Di Bonito P. Remission of HPV-Related diseases by antivirals for Herpesvirus: Clinical cases and a literature review. *Viruses*. 2024;16(5). doi:10.3390/v16050756.
- Barbati C, Bromuro C, Vendetti S, Torosantucci A, Cauda R, Cassone A, Palma C. The glycan ectodomain of SARS-CoV-2 spike protein modulates cytokine production and expression of CD206 mannose receptor in PBMC cultures of pre-COVID-19 healthy subjects. *Viruses*. 2024;16(4). doi:10.3390/v16040497.
- Barbieri G, Gigliucci F, Brambilla G, Morabito S. Cross-cutting approach for the characterization of microbial emerging hazards in agriculture settings from circular economy-driven wastewater streams. *Environment and Health*. 2024;2(2):68-75. doi:10.1021/envhealth.3c00070.
- Barbosa V, Anacleto P, Maulvault AL, Oliveira H, Marmelo I, Ferraris F, Marques A, *et al.* In vitro bioaccessibility of macro and trace elements in biofortified and conventional farmed gilthead seabream (*Sparus aurata*) and common carp (*Cyprinus carpio*). *Journal of Food Composition and Analysis*. 2024;125. doi:10.1016/j.jfca.2023.105760.
- Barletta B, Corinti S, Maranghi F, Tait S, Tassinari R, Martinelli A, Butteroni C, *et al.* The environmental pollutant BDE-47 modulates immune responses in in vitro and in vivo murine models. *Chemosphere*. 2024;349. doi:10.1016/j.chemosphere.2023.140739.
- Barola C, Brambilla G, Galarini R, Moretti S, Morabito S. Assessment of the combined inputs of antimicrobials from top soil improvers and irrigation waters on green leafy vegetable fields. *Food Additives and Contaminants - Part A*. 2024;41(3):313-324. doi:10.1080/19440049.2024.2306930.
- Baroncelli S, Galluzzo CM, Orlando S, Luhanga R, Mphwere R, Kavalo T, Giuliano M, *et al.* Seroprotection against tetanus in HIV-exposed and HIV-unexposed infants in Malawi in 2019-2020. *BMJ Paediatrics Open*. 2024;8(1). doi:10.1136/bmjpo-2024-002718.

- Barrio-Ruiz C, Ruiz de Viñaspre-Hernandez R, Colaceci S, Juarez-Vela R, Santolalla-Arnedo I, Durante A, Di Nitto M. Language and cultural barriers and facilitators of sexual and reproductive health care for migrant women in high-income European Countries: An integrative review. *Journal of Midwifery and Women's Health*. 2024;69(1):71-90. doi:10.1111/jmwh.13545.
- Bartolo E, Giacomozzi C, Coppini DV, Gatt A. Analysis of the interplay between proximal lower limb and foot joint structures as a mechanical predictor of neuropathic ulceration. *Gait and Posture*. 2024;114:250-256. doi:10.1016/j.gaitpost.2024.10.015.
- Belfiore M, Ascione A, Ghizzani V, Di Meo S, Luciani F. A new paradigm for optimized experimental design in cIEF platforms aimed at an accurate robust and reliable mAbs charge-variant assessment. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-79108-5.
- Bella A, Bonifazi G, Lista L, Menasce D, Mezzetto M, Pedrini D, Zoccoli A, *et al*. A statistical model to identify excess mortality in Italy in the period 2011–2022. *European Physical Journal Plus*. 2024;139(4). doi:10.1140/epjp/s13360-024-05136-9.
- Bellia F, Girella A, Annunzi E, Benatti B, Vismara M, Priori A, D'Addario C, *et al*. Selective alterations of endocannabinoid system genes expression in obsessive compulsive disorder. *Translational Psychiatry*. 2024;14(1). doi:10.1038/s41398-024-02829-8.
- Bellia F, Piccinini A, Annunzi E, Cannito L, Lionetti F, Dell'Osso B, D'Addario C, *et al*. Dopamine and serotonin transporter genes regulation in highly sensitive individuals during stressful conditions: A focus on genetics and epigenetics. *Biomedicines*. 2024;12(9). doi:10.3390/biomedicines12092149.
- Bellini A, Finocchietti M, Rosa AC, Masiero L, Trapani S, Cardillo M, Belleudi V, *et al*. Maintenance immunosuppressive therapy in liver transplantation: results from CESIT study, an Italian retrospective cohort study. *BMJ Open*. 2024;14(11). doi:10.1136/bmjopen-2024-087373.
- Bellini A, Finocchietti M, Rosa AC, Nordio M, Ferroni E, Massari M, Belleudi V, *et al*. Effectiveness and safety of immunosuppressive regimens used as maintenance therapy in kidney transplantation: The CESIT study. *PLoS ONE*. 2024;19(1). doi:10.1371/journal.pone.0295205.
- Bellini A, Rosa AC, Ferroni E, Marino ML, Finocchietti M, Masiero L, Belleudi V, *et al*. Sex differences in immunosuppressive maintenance therapy and incidence of outcomes in kidney transplant recipients. *Journal of Sex- and Gender-Specific Medicine*. 2024;10(1):23-28. doi:10.1723/4235.42102.
- Bellini I, Scribano D, Ambrosi C, Chiovoloni C, Rondón S, Pronio A, Cavallero S, *et al*. Anisakis extracellular vesicles elicit immunomodulatory and potentially tumorigenic outcomes on human intestinal organoids. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06471-7.
- Bellino S, La Salvia A. The importance of patient reported outcomes in oncology clinical trials and clinical practice to inform regulatory and healthcare decision-making. *Drugs in R and D*. 2024;24(2):123-127. doi:10.1007/s40268-024-00478-2.
- Bellinzona G, Nardi T, Castelli M, Biffignandi GB, Adjou K, Betson M, Cacciò SM, *et al*. Comparative genomics of *Cryptosporidium parvum* reveals the emergence of an outbreak-associated population in Europe and its spread to the United States. *Genome Research*. 2024;34(6):877-887. doi:10.1101/gr.278830.123.
- Bellis L, Puoti F, Troni A, Caramia V, Masiero L, Pisanu S, Agrimano S, Cardillo M. Testimonies and experiences of patients awaiting transplant and transplanted patients in Italy: a survey aiming to understand their needs. *Ann Ist Super Sanita*. 2024;59(4):286-294. doi:10.4415/ANN_23_04_08.
- Benedetti G, Wulff Krogsgaard L, Maritschnick S, Stüger HP, Hutse V, Janssens R, Ethelberg S, *et al*. A survey of the representativeness and usefulness of wastewater-based surveillance systems in 10 countries across Europe in 2023. *Eurosurveillance*. 2024;29(33). doi:10.2807/1560-7917.ES.2024.29.33.2400096.
- Benedetti MC, D'andrea T, Colantoni A, Silachev D, de Turre V, Boussadia Z, Rosa A, *et al*. Cortical neurons obtained from patient-derived iPSCs with GNAO1 p.G203R variant show altered differentiation and functional properties. *Heliyon*. 2024;10(5). doi:10.1016/j.heliyon.2024.e26656.
- Bentivenga GM, Baiardi S, Righini L, Ladogana A, Capellari S, Sabattini E, Parchi P. Rapidly progressive dementia due to intravascular lymphoma: A prion disease reference center experience. *European Journal of Neurology*. 2024;31(1). doi:10.1111/ene.16068.
- Bentivenga GM, Mammana A, Baiardi S, Rossi M, Ticca A, Magliocchetti F, Parchi P, *et al*. Performance of a seed amplification assay for misfolded alpha-synuclein in cerebrospinal fluid and brain tissue in relation to Lewy body disease stage and pathology burden. *Acta Neuropathologica*. 2024;147(1). doi:10.1007/s00401-023-02663-0.

- Berardi R, Parisi A, Maruzzo M, Bellani M, Beretta GD, Boldrini M, Cinieri S, *et al.* Communication in oncology between healthcare providers, patients, the scientific community, and the media: recommendations from the Italian Association of Medical Oncology (AIOM). *Supportive Care in Cancer*. 2024;32(9). doi:10.1007/s00520-024-08786-8.
- Berardi R, Rossi F, Papa R, Appetecchia M, Baggio G, Bianchini M, Cinieri S, *et al.* Gender oncology: recommendations and consensus of the Italian Association of Medical Oncology (AIOM). *ESMO Open*. 2024;9(2). doi:10.1016/j.esmoop.2024.102243.
- Bernabale M, Cognigni F, Contessi S, Silvestri S, La Penna G, Spagnoli F, De Vito C, Rossi M. Correlative microscopy and Micro-Raman spectroscopy for enhancing the evaluation of corrosion damage in archaeological objects. *Journal of Cultural Heritage*. 2024;67:500-511. doi:10.1016/j.culher.2024.04.016.
- Bernabé CH, Thielemans L, Kaliyaperumal R, Carta C, Zhang S, van Gelder CWG, Jacobsen A, *et al.* Building expertise on FAIR through evolving bring your own data (BYOD) workshops: Describing the data, software, and management-focused approaches and their evolution. *Data Intelligence*. 2024;6(2):429-456. doi:10.1162/dint_a_00236.
- Bernardini I, Poggi C, Porretta D, Máca J, Perugini E, Manzi S, Pombi M, *et al.* Population dynamics of sympatric *Phortica* spp. and first record of stable presence of *Phortica oldenbergi* in a Thelazia callipaeda-endemic area of Italy. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06526-9.
- Berrilli F, Montalbano Di Filippo M, Guadano-Procesi I, Ciavurro M, Di Cave D. Acanthamoeba sequence types and allelic variations in isolates from clinical and different environmental sources in Italy. *Microorganisms*. 2024;12(3). doi:10.3390/microorganisms12030544.
- Berry A, Cirulli F. Impact of early life metabolic and psychosocial stress on susceptibility to mental disorders. *Neuroscience and Biobehavioral Reviews*. 2024;156. doi:10.1016/j.neubiorev.2023.105474.
- Bersani FS, Canevelli M, Imperatori C, Barchielli B, Prevete E, Sciancalepore F, Bruno G, *et al.* The relationship of frailty with psychopathology, childhood traumas and insecure attachment in young adults: A cross-sectional investigation. *Journal of Frailty and Aging*. 2024;13(4):448-455. doi:10.14283/jfa.2024.49.
- Bertelli MO, Bianco A, Deb S, Scuticchio D, Kaleci S, Scattoni ML. Autism and psychopathology - prevalence, identification, and symptoms equivalence: study protocol. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsyt.2024.1447262.
- Bertelli MO, Boniotti V, Bianco A, Vannucchi G, Buonaguro EF, Micai M, Munir K, *et al.* Caution needed in ascribing subthreshold symptoms as autism spectrum disorder: Commentary on “autistic traits distribution in different psychiatric conditions: A cluster analysis on the basis of the adult autism subthreshold spectrum (AdAS SPECTRUM) questionnaire”. *Psychiatry Research*. 2024;331. doi:10.1016/j.psychres.2023.115617.
- Bertuccini L, Boussadia Z, Salzano AM, Vanni I, Passerò I, Nocita E, Tosini F, *et al.* Unveiling *Cryptosporidium parvum* sporozoite-derived extracellular vesicles: profiling, origin, and protein composition. *Frontiers in Cellular and Infection Microbiology*. 2024;14. doi:10.3389/fcimb.2024.1367359.
- Bevivino G, Maurizi L, Ammendolia MG, Longhi C, Arcà B, Lombardo F. Peptides with antimicrobial activity in the saliva of the malaria vector *Anopheles coluzzii*. *International Journal of Molecular Sciences*. 2024;25(10). doi:10.3390/ijms25105529.
- Bhattacharjee NV, Schumacher AE, Aali A, Abate YH, Abbasgholizadeh R, Abbasian M, GBD 2021 Fertility and Forecasting Collaborators. Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2057-2099. doi:10.1016/S0140-6736(24)00550-6.
- Biancari F, Dell’Aquila AM, Onorati F, Rossetti C, Demal T, Rukosujew A, Juvonen T, *et al.* Classification of the urgency of the procedure and outcome of acute type A aortic dissection. *American Journal of Cardiology*. 2024;217:59-67. doi:10.1016/j.amjcard.2024.01.035.
- Biancari F, D’Errigo P, Barbanti M, Badoni G, Tamburino C, Polvani G, Rosato S, *et al.* Ten-year outcomes after transcatheter or surgical aortic valve replacement in low-risk patients: The OBSERVANT study. *IJC Heart and Vasculature*. 2024;55. doi:10.1016/j.ijcha.2024.101545.
- Biancari F, Mäkilä T, D’Errigo P, Polvani G. Value of observational studies in the outcome evaluation of transcatheter and surgical aortic valve replacement. *Interdisciplinary Cardiovascular and Thoracic Surgery*. 2024;39(6). doi:10.1093/icvts/ivae198.

- Bianchi D, Di Tata D, Di Norcia A, Pompili S, Fatta LM, Laghi F. Binge eating as an emotional response to the COVID-19 pandemic: a sequential mediation model via the impact of events and social anxiety. *Journal of Eating Disorders*. 2024;12(1). doi:10.1186/s40337-024-01182-x.
- Bianconi I, Battisti L, Staffler A, Giacobazzi E, Masi E, Incrocci E, Pagani E, *et al.* Disseminated Echovirus 11 infection in a newborn in the Province of Bolzano, Italy. *Infection*. 2024;52(6):2501-2506. doi:10.1007/s15010-024-02315-9.
- Biggeri A, Stoppa G, Facciolo L, Fin G, Mancini S, Manno V, Bucchi L, *et al.* All-cause, cardiovascular disease and cancer mortality in the population of a large Italian area contaminated by perfluoroalkyl and polyfluoroalkyl substances (1980–2018). *Environmental Health: A Global Access Science Source*. 2024;23(1). doi:10.1186/s12940-024-01074-2.
- Bisaglia B, Castelli M, Soresinetti L, Negri A, Arnoldi I, Montarsi F, Epis S, *et al.* Barcoding of Italian mosquitoes (BITMO): generation and validation of DNA barcoding reference libraries for native and alien species of Culicidae. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06478-0.
- Bizzotto A, Guzzetta G, Marziano V, Del Manso M, Mateo Urdiales A, Petrone D, Merler S, *et al.* Increasing situational awareness through nowcasting of the reproduction number. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1430920.
- Bobone S, Storti C, Fulci C, Damiani A, Innamorati C, Roversi D, Stella L, *et al.* Fluorescent labeling can significantly perturb measured binding affinity and selectivity of peptide-protein interactions. *Journal of Physical Chemistry Letters*. 2024;15(40):10252-10257. doi:10.1021/acs.jpclett.4c01767.
- Bocca B, Battistini B. Biomarkers of exposure and effect in human biomonitoring of metal-based nanomaterials: their use in primary prevention and health surveillance. *Nanotoxicology*. 2024;18(1):1-35. doi:10.1080/17435390.2023.2301692.
- Bocchino M, Gabbrielli F, Pastena G, Danisi N, Ferranti F, Scardala R, Ammirati F, *et al.* Follow-up of post myocardial infarction using telemedicine: Stakeholders' education, results and customer satisfaction. *International Medical Education*. 2024;3(1):1-11. doi:10.3390/ime3010001.
- Bonanni R, Ratano P, Cariati I, Tancredi V, Cifelli P. Treatment Strategies for Painful Pelvic Floor Conditions: A Focus on the Potential Benefits of Cannabidiol. *Biomolecules*. 2024;14(12). doi:10.3390/biom14121627.
- Bonanno Ferraro G, Bonomo C, Brandtner D, Mancini P, Veneri C, Briancesco R, La Rosa G, *et al.* Characterisation of microbial communities and quantification of antibiotic resistance genes in Italian wastewater treatment plants using 16S rRNA sequencing and digital PCR. *Science of the Total Environment*. 2024;933. doi:10.1016/j.scitotenv.2024.173217.
- Bonanno Ferraro G, Brandtner D, Franco A, Iaconelli M, Mancini P, Veneri C, La Rosa G, *et al.* Global quantification and distribution of antibiotic resistance genes in oceans and seas: Anthropogenic impacts and regional variability. *Science of the Total Environment*. 2024;955. doi:10.1016/j.scitotenv.2024.176765.
- Bonczak B, Grecchi S, Niamlaem M, Salinas G, Cirilli R, Arnaboldi S. Inherently chiral oligomers based on indole–Benzothiophene core. *Chirality*. 2024;36(8). doi:10.1002/chir.23710.
- Bonfiglio F, Legati A, Lasorsa VA, Palombo F, De Riso G, Isidori F, Capasso M, *et al.* Best practices for germline variant and DNA methylation analysis of second- and third-generation sequencing data. *Human Genomics*. 2024;18(1). doi:10.1186/s40246-024-00684-8.
- Borghi M, Graziani A, Marini D, Madonna E, Villano U, Suffredini E, Bozza S, *et al.* Case of fatal hepatitis related to HEV-3 infection in central Italy. *Viruses*. 2024;16(12). doi:10.3390/v16121869.
- Borghi M, Pierboni E, Primavilla S, Scoccia E, Costantini C, Suffredini E, Valiani A, *et al.* Detection of hepatitis E virus in game meat (wild boar) supply chain in Umbria Region, Central Italy. *Foods*. 2024;13(16). doi:10.3390/foods13162504.
- Borhani M, Fathi S, Harandi MF, Casulli A, Ding J, Liu M, Zhang W, Wen H. *Echinococcus granulosus* sensu lato control measures: a specific focus on vaccines for both definitive and intermediate hosts. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06581-2.
- Borrow R, Campbell H, Caugant DA, Cherkaoui A, Claus H, Deghmane A-E, Vázquez J, *et al.* Global meningococcal initiative: Insights on antibiotic resistance, control strategies and advocacy efforts in Western Europe. *Journal of Infection*. 2024;89(6). doi:10.1016/j.jinf.2024.106335.
- Botta L, Capocaccia R, Bernasconi A, Rossi S, Galceran J, Luigino Dal M, Jooste V, *et al.* Estimating cure and risk of death from other causes of cancer patients: EUROCARE-6 data on head & neck, colorectal, and breast cancers. *European Journal of Cancer*. 2024;208. doi:10.1016/j.ejca.2024.114187.

- Bottesi G, Calamandrei G, Garattini S, Migone P, Sanavio E. An Italian consensus conference on psychological therapies for anxiety and depression. *Clinical Neuropsychiatry*. 2024;21(2):153-154. doi:10.36131/cnforitieditore20240204.
- Bouaoun L, Byrnes G, Lagorio S, Feychting M, Abou-Bakre A, Béranger R, Schüz J. Effects of recall and selection biases on modeling cancer risk from mobile phone use: Results from a case-control simulation study. *Epidemiology*. 2024;35(4):437-446. doi:10.1097/EDE.0000000000001749.
- Boxman ILA, Molin R, Persson S, Juréus A, Jansen CCC, Sosef NP, Dirks RAM, *et al.* An international inter-laboratory study to compare digital PCR with ISO standardized qPCR assays for the detection of norovirus GI and GII in oyster tissue. *Food Microbiology*. 2024;120. doi:10.1016/j.fm.2024.104478.
- Bozzuto G, Calcabrini A, Colone M, Condello M, Dupuis ML, Pellegrini E, Stringaro A. Phytocompounds and Nanoformulations for Anticancer Therapy: A Review. *Molecules*. 2024;29(16). doi:10.3390/molecules29163784.
- Brambilla G. Safe and sustainable fish and seafood system and per- and poly-fluorinated substances occurrence: the role of PFAS toxicity in the assessment. *Environmental Science and Pollution Research*. 2024;31(22):33141-33147. doi:10.1007/s11356-024-33550-0.
- Brambilla G, Miniero R, Esposito M, Maffucci F. PFAS exposure and female fertility in animals. *Veterinary Record*. 2024;194(5):193-194. doi:10.1002/vetr.4021.
- Brambilla M, Bisaglia C, Filisetti A, Giovinnazzo S, Lazzari A, Mancini P, La Rosa G, *et al.* Hepatitis E virus detection in swine slurries of Abruzzo: Considerations on virus occurrence and workers' exposure. *Lecture Notes in Civil Engineering*. 2024;521:447-456. doi:10.1007/978-3-031-63504-5_45.
- Bramness Jø.G, Leonhardt M, Dom G, Batalla A, Flórez Menéndez G, Mann K, Rolland B, *et al.* Education and training in addiction medicine and psychology across Europe: A EUFAS survey. *European Addiction Research*. 2024;30(3):127-137. doi:10.1159/000531502.
- Brancaleone E, Mattei D, Fuscoletti V, Lucentini L, Favero G, Cecchini G, Lazzazzara M, *et al.* Microplastic in drinking water: A pilot study. *Microplastics*. 2024;3(1):31-45. doi:10.3390/microplastics3010003.
- Branchi I. Taming complexity from the interface: Simplifying neuroscience. *Neuroscience*. 2024;544:102-103. doi:10.1016/j.neuroscience.2024.02.029.
- Branchi I. Uncovering the determinants of brain functioning, behavior and their interplay in the light of context. *European Journal of Neuroscience*. 2024;60(5):4687-4706. doi:10.1111/ejn.16331.
- Branchi I, Viglione A, Vai B, Cirulli F, Benedetti F, Poggini S. Breaking free from the inflammatory trap of depression: Regulating the interplay between immune activation and plasticity to foster mental health. *Neuroscience Applied*. 2024;3). doi:10.1016/j.nsa.2023.103923.
- Branda F, Giovanetti M, Sernicola L, Farcomeni S, Ciccozzi M, Borsetti A. Comprehensive analysis of HIV-1 integrase resistance-related mutations in African Countries. *Pathogens*. 2024;13(2). doi:10.3390/pathogens13020102.
- Brauer M, Roth GA, Aravkin AY, Zheng P, Abate KH, Abate YH, GBD 2021 Risk Factors Collaborators. Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2162-2203. doi:10.1016/S0140-6736(24)00933-4.
- Brignone MS, Lanciotti A, Molinari P, Mallozzi C, De Nuccio C, Caprini ES, Ambrosini E, *et al.* Megalencephalic leukoencephalopathy with subcortical cysts protein-1: A new calcium-sensitive protein functionally activated by endoplasmic reticulum calcium release and calmodulin binding in astrocytes. *Neurobiology of Disease*. 2024;190. doi:10.1016/j.nbd.2023.106388.
- Broberg EK, Svartström O, Riess M, Kraus A, Vukovikj M, Melidou A, Latorre-Margalef N, *et al.* Co-circulation of seasonal influenza A(H1N1)pdm09, A(H3N2) and B/Victoria lineage viruses with further genetic diversification, EU/EEA, 2022/23 influenza season. *Eurosurveillance*. 2024;29(39). doi:10.2807/1560-7917.ES.2024.29.39.2400020.
- Broberg EK, Vukovikj M, Svartström O, Hasibra I, Riess M, Melidou A, Latorre-Margalef N, *et al.* Antigenic changes in influenza A(H3N2) driven by genetic evolution: Insights from virological surveillance, EU/EEA, week 40/2023 to week 9/2024. *Eurosurveillance*. 2024;29(50). doi:10.2807/1560-7917.ES.2024.29.50.2400395.
- Bromuro C, Posteraro B, Murri R, Fantoni M, Tumbarello M, Sanguinetti M, Torosantucci A, *et al.* Identification of two anti-Candida antibodies associated with the survival of patients with candidemia. *mBio*. 2024;15(1). doi:10.1128/mbio.02769-23.

- Brookman B, Bélavári C, Butler O, Corbí RM, Horsky M, Jordan H, Sorbo A, *et al.* Proficiency testing in analytical chemistry, microbiology and laboratory medicine: discussions on current practice and future directions. *Accreditation and Quality Assurance*. 2024;29(5-6):381-389. doi:10.1007/s00769-024-01588-9.
- Brown L, Rautemaa-Richardson R, Mengoli C, Alanio A, Barnes RA, Bretagne S, Cruciani M, *et al.* Polymerase chain reaction on respiratory tract specimens of immunocompromised patients to diagnose pneumocystis Pneumonia: A systematic review and meta-analysis. *Clinical Infectious Diseases*. 2024;79(1):161-168- doi:10.1093/cid/ciae239.
- Brugger M, Lauri A, Zhen Y, Gramegna LL, Zott B, Sekulić N, Wagner M, *et al.* Bi-allelic variants in SNF8 cause a disease spectrum ranging from severe developmental and epileptic encephalopathy to syndromic optic atrophy. *American Journal of Human Genetics*. 2024;111(3):594-613. doi:10.1016/j.ajhg.2024.02.005.
- Bruguera C, Segura-García L, Okulicz-Kozaryn K, Gandin C, Matrai S, Braddick F, Colom J, *et al.* Prevention of alcohol exposed pregnancies in Europe: the FAR SEAS guidelines. *BMC Pregnancy and Childbirth*. 2024;24(1). doi:10.1186/s12884-024-06452-9.
- Brunelli L, Valent F, Comar M, Suligoi B, Salfa MC, Gianfrilli D, Fasciana T, *et al.* Study protocol for a pre/post study on knowledge, attitudes and behaviors regarding STIs and in particular HPV among Italian adolescents, teachers, and parents in secondary schools. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1414631.
- Bryazka D, Reitsma MB, Abate YH, Abd Al Magied AHA, Abdelkader A, Abdollahi A, GBD 2021 Tobacco forecasting collaborators. Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Public Health*. 2024;9(10):e729-e744. doi:10.1016/S2468-2667(24)00166-X.
- Buccarelli M, Castellani G, Fiorentino V, Pizzimenti C, Beninati S, Ricci-Vitiani L, Tabolacci C, *et al.* Biological implications and functional significance of Transglutaminase Type 2 in nervous system tumors. *Cells*. 2024;13(8). doi:10.3390/cells13080667.
- Bucciardini R, Rotko T, Giammarioli AM. Health equity in all policies: Recommendation from the European actions. *Journal of Global Health*. 2024;14. doi:10.7189/JOGH.14.03002.
- Bulletti FM, Sciorio R, Conforti A, De Luca R, Bulletti C, Palagiano A, Pierson RA, *et al.* Causes of embryo implantation failure: A systematic review and metaanalysis of procedures to increase embryo implantation potential. *Frontiers in Endocrinology*. 2024;15. doi:10.3389/fendo.2024.1429193.
- Buratta S, Latella R, Chiaradia E, Salzano AM, Tancini B, Pellegrino RM, Emiliani C, *et al.* Characterization of nanovesicles isolated from olive vegetation water. *Foods*. 2024;13(6). doi:10.3390/foods13060835.
- Burkauskas J, Branchi I, Pallanti S, Domschke K. Anxiety in post-covid-19 syndrome – prevalence, mechanisms and treatment. *Neuroscience Applied*. 2024;3. doi:10.1016/j.nsa.2023.103932.
- Busani L, Creti R, Fabbro E, Prestinaci F, Pantosti A, Marella AM, Brusaferrero S, Sabbatucci M. Fighting antimicrobial resistance and healthcare-associated infections in EU-JAMRAI: The One-Health response from Italy. *Chemotherapy*. 2024;69(1):56-64. doi:10.1159/000531684.
- Busardò FP, Pellegrini M, Pichini S. Clinical toxicology meets forensic toxicology in laboratory medicine. *Biochimica Clinica*. 2024;48(4):316-317. doi:10.19186/BC_2024.066.
- Butera A, De Simone R, Potenza RL, Sanchez M, Armida M, Campanile D, Ricceri L, *et al.* Effects of a gut-selective integrin-targeted therapy in male mice exposed to early immune activation, a model for the study of autism spectrum disorder. *Brain, Behavior, and Immunity*. 2024;115: 89-100. doi:10.1016/j.bbi.2023.09.024.
- Cafaro A, Schietroma I, Sernicola L, Belli R, Campagna M, Mancini F, Ensoli B, *et al.* Role of HIV-1 Tat Protein Interactions with Host Receptors in HIV Infection and Pathogenesis. *International Journal of Molecular Sciences*. 2024;25(3). doi:10.3390/ijms25031704.
- Calzolari M, Bellin N, Dottori M, Torri D, Di Luca M, Rossi V, Magoga G, Montagna M. Integrated taxonomy to advance species delimitation of the *Anopheles maculipennis* complex. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-81767-3.
- Calzoni E, Cerrotti G, Sagini K, Delo F, Buratta S, Pellegrino RM, Urbanelli L, *et al.* Evidence of lysosomal β -hexosaminidase enzymatic activity associated with extracellular vesicles: Potential applications for the correction of Sandhoff disease. *Journal of Functional Biomaterials*. 2024;15(6). doi:10.3390/jfb15060153.
- Camero S, Milazzo L, Vulcano F, Ceccarelli F, Pontecorvi P, Pedini F, Megiorni F, *et al.* Antitumour effects of SFX-01 molecule in combination with ionizing radiation in preclinical and in vivo models of rhabdomyosarcoma. *BMC Cancer*. 2024;24(1). doi:10.1186/s12885-024-12536-8.

- Campagni C, Gorini G, Amerio A, Cerrai S, Gallus S, Lugo A, Carreras G, *et al.* Tobacco, heated tobacco products, e-cigarette, alcohol, cannabis and other psychotropic substances. Polysubstance use during the COVID-19 pandemic in Italy. *Ann Ist Super Sanita.* 2024;60(4):294-302. doi:10.4415/ANN_24_04_08
- Canevelli M, Ancidoni A, Valletta M, Toccaceli Blasi M, Alfano AR, Buscamera S, Bruno G, *et al.* Reporting of comorbidities and health status of participants in clinical trials testing amyloid- and tau-targeting monoclonal antibodies for Alzheimer's disease: A systematic review. *Journal of Alzheimer's Disease.* 2024;102(3):587-596. doi:10.1177/1387287241289549.
- Canevelli M, Jackson-Tarleton C, Rockwood K. Frailty for neurologists: perspectives on how frailty influences care planning. *The Lancet Neurology.* 2024;23(11):1147-1157. doi:10.1016/S1474-4422(24)00291-6.
- Canonico ME, Verde N, Avvedimento M, Leone A, Cutillo M, Simonetti F, Esposito G, *et al.* Safety and efficacy of combined coronary and peripheral percutaneous revascularization: A proof-of-concept study. *Journal of Clinical Medicine.* 2024;13(15). doi:10.3390/jcm13154516.
- Capasso F, Pitruzzella R, Tavoletta I, Perri C, Zeni L, Porto G, Cennamo N, *et al.* The BETTER Project: Development of a tool for the measurement of SARS-CoV-2 via Internet of Medical Things POCT. 2024 *IEEE Sensors Applications Symposium, SAS 2024 – Proceedings.* 2024. doi:10.1109/SAS60918.2024.10636628.
- Capitani V, Arcari G, Ambrosi C, Scribano D, Ceparano M, Polani R, Carattoli A, *et al.* In vivo evolution to hypermucoviscosity and ceftazidime/avibactam resistance in a liver abscess caused by *Klebsiella pneumoniae* sequence type 512. *mSphere.* 2024;9(9). doi:10.1128/msphere.00423-24.
- Capobianco M, Puzzo C, Di Matteo C, Costa A, Adriani W. Current virtual reality-based rehabilitation interventions in neuro-developmental disorders at developmental ages. *Frontiers in Behavioral Neuroscience.* 2024;18. doi:10.3389/fnbeh.2024.1441615.
- Capone C, Muratore P. Learning fast while changing slow in spiking neural networks. *Neuromorphic Computing and Engineering.* 2024;4(3). doi:10.1088/2634-4386/ad5c96.
- Capone C, Paolucci PS. Towards biologically plausible model-based reinforcement learning in recurrent spiking networks by dreaming new experiences. *Scientific Reports.* 2024;14(1). doi:10.1038/s41598-024-65631-y.
- Cappelletti M, Pallotta L, Vona R, Tinari A, Pisano A, Casella G, Severi C, *et al.* The unexplored role of Mitochondria-related oxidative stress in diverticular disease. *International Journal of Molecular Sciences.* 2024;25(17). doi:10.3390/ijms25179680.
- Caputo F, Ghiselli A, Patussi V, Scafato E, Testino G. Moderate alcohol intake and reduced mortality risk: is the J-shaped curve flattening? *Minerva Medica.* 2024;115(2):123-124. doi:10.23736/S0026-4806.24.09249-8.
- Caputo F, Lungaro L, Palamara G, Pavarin RM, Sanchini S, Costanzini A, Scafato E, *et al.* Driving under the influence of alcohol and alcohol use disorder: the relevance of early identification from an Italian retrospective outpatient study. *Ann Ist Super Sanita.* 2024;60(2):111-117. doi:10.4415/ANN_24_02_05.
- Caramia A, Petrone D, Isonne C, Battistelli F, Sisi S, Boros S, D'Ancona F, *et al.* Italian national surveillance of alcohol-based hand rub consumption in a healthcare setting—A three-year analysis: 2020–2022. *Journal of Clinical Medicine.* 2024;13(12). doi:10.3390/jcm13123371.
- Carannante A, Giustini M, Caredda E, Gaudi S. Precision prevention network: new pathway for supporting women victims of violence. *Ann Ist Super Sanita.* 2024;60(3):234-238. doi:10.4415/ANN_24_03_09.
- Cardamone E, Iaconi F, Di Benedetto R, Lorenzoni G, Di Nucci A, Zobec F, Gregori D, Silano M. Adherence to Mediterranean diet and its main determinants in a sample of Italian adults: results from the ARIANNA cross-sectional survey. *Frontiers in Nutrition.* 2024;11. doi:10.3389/fnut.2024.1346455.
- Cardamone E, Iaconi F, Fiori F, Marinoni M, Agrimi U, Silano M, Parpinel M. The Development of a food frequency questionnaire for the assessment of ultra-processed food consumption in the Italian adult population: Protocol for a validity and reproducibility study. *Nutrients.* 2024;16(22). doi:10.3390/nu16223896.
- Cardone F, Berrone E, Corona C, Sirigu S, Pacelli C, Sbriccoli M, Casalone C, *et al.* An investigation on the differences between beta amyloid aggregates formed on board the international space station and on earth. *Proceedings of the International Astronautical Congress, IAC.* 2024:344-348. doi:10.52202/078356-0045.
- Caredda M, Vescera L, Picardi A, Tarolla E, Pancheri C, Biondi M, Tondo L. Positive psychological functioning, resilience and styles of coping as buffers against suicidal behaviours. A case-control study. *Journal of Affective Disorders.* 2024;367:408-415. doi:10.1016/j.jad.2024.08.223.

- Carlioni E, Badaloni C, Renzi M, Trentalange A, Leccese L, Porta D, Michelozzi P. Effects on mortality due to emissions from major industrial plants in the "River Sacco Basin": An administrative cohort study. *Recenti Progressi in Medicina*. 2024;115(11):543-544. doi:10.1701/4365.43594.
- Carpentieri C, Maiorana A, Ampollini M, Antignani S, Caprio M, Carelli V, Bochicchio F, *et al.* A large and feasible national survey representative of population exposure to outdoor gamma radiation in urban areas. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1388783.
- Carpentieri G, Cecchetti S, Bocchinfuso G, Radio FC, Leoni C, Onesimo R, Flex E, *et al.* Dominantly acting variants in ATP6V1C1 and ATP6V1B2 cause a multisystem phenotypic spectrum by altering lysosomal and/or autophagosome function. *Human Genetics and Genomics Advances*. 2024;5(4). doi:10.1016/j.xhgg.2024.100349.
- Caruso A, Ribas Marzena Szkodo MO, Micai M, Bernava GM, Tartarisco G, Pérez DL, Scattoni ML, *et al.* Using DeepLabCut to recognize early motor development patterns associated with neurodevelopmental disorders. *IEEE Access*. 2024;12: 116126-116134. doi:10.1109/ACCESS.2024.3441330.
- Casillo F, Di Renzo A, Sebastianelli G, Abagnale C, Martelli F, Di Lorenzo C, Coppola G, *et al.* Lack of a direct link between macular cones function and photophobia in interictal migraine. *Cephalalgia*. 2024;44(9). doi:10.1177/03331024241276501.
- Casini I, Massai L, Solomita E, Ortenzi K, Pieretti S, Aloisi AM. Gastrointestinal conditions affect chronic pain and quality of life in women. *International Journal of Environmental Research and Public Health*. 2024;21(11). doi:10.3390/ijerph21111435.
- Cassandri M, Porrazzo A, Pomella S, Noce B, Zwergel C, Aiello FA, Marampon F, *et al.* HDAC3 genetic and pharmacologic inhibition radiosensitizes fusion positive rhabdomyosarcoma by promoting DNA double-strand breaks. *Cell Death Discovery*. 2024;10(1). doi:10.1038/s41420-024-02115-y.
- Castellani G, Buccarelli M, D'Alessandris QG, Ilari R, Cappannini A, Pedini F, Ricci-Vitiani L, *et al.* Extracellular vesicles produced by irradiated endothelial or Glioblastoma stem cells promote tumor growth and vascularization modulating tumor microenvironment. *Cancer Cell International*. 2024;24(1). doi:10.1186/s12935-024-03253-0.
- Castriotta L, Onder G, Rosolen V, Beorchia Y, Fanizza C, Bellini B, Brusaferrò S, *et al.* Examining potential Long COVID effects through utilization of healthcare resources: a retrospective, population-based, matched cohort study comparing individuals with and without prior SARS-CoV-2 infection. *European Journal of Public Health*. 2024;34(3):592-599. doi:10.1093/eurpub/ckae001.
- Casulli A, Santoro A, Laurimäe T. Neglected cystic and alveolar echinococcosis. *Neglected Zoonoses and Antimicrobial Resistance: Impact on One Health and Sustainable Development Goals*. 2024:9-50. doi:10.1016/B978-0-443-16062-2.00003-4.
- Cataldo C, Bellenghi M, Masella R, Busani L. One Health and sex and gender-related perspective in the ecosystem: Interactions among drivers involved in the risk of leptospirosis in Europe. A scoping review. *One Health*. 2024;19. doi:10.1016/j.onehlt.2024.100841.
- Catarci M, Tritapepe L, Rondinelli MB, Beverina I, Agostini V, Buscemi F, Scatizzi M, *et al.* Patient blood management in major digestive surgery recommendations from the Italian multisociety (ACOI, SIAARTI, SIdEM, and SIMTI) modified Delphi consensus conference. *Giornale di Chirurgia*. 2024;44(1). doi:10.1097/IA9.0000000000000041.
- Catassi C, Vincentini O, Pricci F, Agrimi U, Silano M, Bosi E. Pediatric screening for type 1 diabetes and celiac disease: The future is today in Italy. *Minerva Pediatrics*. 2024;76(4):461-463. doi:10.23736/S2724-5276.24.07573-6.
- Catone S, Iannantuono S, Genovese D, Von Hunolstein C, Franciosa G. Viability-PCR for the selective detection of *Lactobacillus acidophilus* and *Bifidobacterium bifidum* in live bacteria-containing products. *Frontiers in Microbiology*. 2024;15. doi:10.3389/fmicb.2024.1400529.
- Catone T, Alivernini S, Attias L, Orrù MA. The European legislation on the restriction on intentionally added microplastics. Commentary. *Ann Ist Super Sanita*. 2024;60(4):243-246. doi:10.4415/ANN_24_04_01.
- Cattaneo A, Bellenghi M, Ferroni E, Mangia C, Marconi M, Rizza P, Appetecchia M, *et al.* Recommendations for the application of sex and gender medicine in preclinical, epidemiological and clinical research. *Journal of Personalized Medicine*. 2024;14(9). doi:10.3390/jpm14090908.
- Cavaliere C, Masieri S, Begvarfaj E, Loperfido A, Baroncelli S, Cascone F, Ciofalo A. Long-term perspectives on chronic rhinosinusitis with nasal polyps: Evaluating recurrence rates after functional endoscopic sinus surgery in the biologics era—A 5-year follow-up study. *Journal of Personalized Medicine*. 2024;14(3). doi:10.3390/jpm14030297.

- Cavallari M, D'Ercole L, Zucca S, Paruccini N, Solla I, Fusaro F, Lefe E, *et al.* Dosimetric indices in fluoroscopically guided cerebral intervention procedure and complexity index: a multicenter study. *European Physical Journal Plus*. 2024;139(1). doi:10.1140/epjp/s13360-023-04790-9.
- Ceccarelli E, Minelli G, Maruotti A, Jona Lasinio G, Martuzzi M. Understanding excess mortality in 2022: The dual impact of COVID-19 and heatwaves on the Italian elderly population. *Health and Place*. 2024;90. doi:10.1016/j.healthplace.2024.103357.
- Ceccarelli F, Dorrucchi M, Pirone C, Mataj E, Garufi C, Farchi F, Lo Presti A, *et al.* Hepatitis E virus infection in patients with systemic and cutaneous Lupus Erythematosus. *International Journal of Molecular Sciences*. 2024;25(20). doi:10.3390/ijms252011162.
- Cecchetti S, Federici C, Canese R, Iorio E, Huber V, Pisanu ME, Lugini L, *et al.* NK cells-derived extracellular vesicles potency in the B cell lymphoma biotherapy. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1503857.
- Cella E, Fonseca V, Branda F, Tosta S, Moreno K, Schuab G, Giovanetti M, *et al.* Integrated analyses of the transmission history of SARS-CoV-2 and its association with molecular evolution of the virus underlining the pandemic outbreaks in Italy, 2019-2023. *International Journal of Infectious Diseases*. 2024;149. doi:10.1016/j.ijid.2024.107262.
- Censi F, Vivarelli C, Mattei E, Calcagnini G, Bogi A, Comelli M, Falsaperla R, *et al.* Experimental evaluation of electromagnetic compatibility of cardiac active implantable medical devices in the work environment of beauty and physiotherapy centers. *2024 4th URSI Atlantic Radio Science Meeting, AT-RASC 2024*. 2024. doi:10.46620/URSIATRASC24/WWJT3325.
- Cento G, Mancin M, Cibir V, Villa L, Ricci A, Ciot L, Barco L, *et al.* Application of the EFSA Source Attribution Model (SAM) to compare the main sources of human salmonellosis in Italy related to the national production over the period 2018–2020. *Food Control*. 2024;160. doi:10.1016/j.foodcont.2024.110315.
- Ceretti E, Bonaccio M, Iacoviello L, Di Castelnuovo A, Ruggiero E, Donato F, Montano L, *et al.* Consumption of ultra-processed foods and semen quality in healthy young men living in Italy. *Nutrients*. 2024;16(23). doi:10.3390/nu16234129.
- Cerulli Irelli E, Borioni MS, Morano A, Mazzeo A, Moro P, Orlando B, Di Bonaventura C, *et al.* Frailty as a comprehensive health measure beyond seizure control in patients with epilepsy: A cross-sectional study. *Epilepsia*. 2024;65(6):1658-1667. doi:10.1111/epi.17964.
- Cesana D, Cicalese MP, Calabria A, Merli P, Caruso R, Volpin M, Aiuti A, *et al.* A case of T-cell acute lymphoblastic leukemia in retroviral gene therapy for ADA-SCID. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-47866-5.
- Cesari M, Canevelli M, Amuthavalli Thiyagarajan J, Choi S-E, Grushevska P, Kumar S, Banerjee A, *et al.* Identification of research gaps to improve care for healthy ageing: a scoping review. *Family Medicine and Community Health*. 2024;12(4). doi:10.1136/fmch-2024-003116.
- Cesari M, Sumi Y, Jang H, Amuthavalli Thiyagarajan J, Lee Y, Albone R, Banerjee A, *et al.* Survey of international experts on research priorities to improve care for healthy ageing. *Family Medicine and Community Health*. 2024;12(3). doi:10.1136/fmch-2023-002703.
- Chen-Xu J, Varga O, Mahrouseh N, Eikemo TA, Grad DA, Wyper GMA, Baravelli CM, *et al.* Subnational inequalities in years of life lost and associations with socioeconomic factors in pre-pandemic Europe, 2009–19: an ecological study. *The Lancet Public Health*. 2024;9(3):e166-e177. doi:10.1016/S2468-2667(24)00004-5.
- Chenyao Z, Haiyin H, Menglong S, Yucong M, Fauci AJ, Lee MS, Zhaochen J, *et al.* Commercial Chinese polyherbal preparation: current status and future perspectives. *Frontiers in Pharmacology*. 2024;15. doi:10.3389/fphar.2024.1404259.
- Cherubini V, Mozzillo E, Iafusco D, Bonfanti R, Ripoli C, Pricci F, Bosi E, *et al.* Follow-up and monitoring programme in children identified in early-stage type 1 diabetes during screening in the general population of Italy. *Diabetes, Obesity and Metabolism*. 2024;26(10):4197-4202. doi:10.1111/dom.15779.
- Chinelli A, Ubbiali M, Paparatto G, Torri E, Musco A, Galipò R, Tavošchi L, *et al.* Introducing comprehensive sexuality education in Italian schools: from the co-construction to the evaluation of a pilot intervention. *BMC Public Health*. 2024;24(1). doi:10.1186/s12889-024-19610-7.
- Chirullo B, Fruscione F, Del Zotto G, Dell'Anno F, Tarantino M, Porcellato I, Razzuoli E, *et al.* Evaluation of attenuated *Salmonella Typhimurium* (STMΔ_{znuABC}) anticancer activity on canine mammary cancer-associated fibroblasts. *Research in Veterinary Science*. 2024;180. doi:10.1016/j.rvsc.2024.105438.

- Chiudioni F, Marcheggiani S, Puccinelli C, Trabace T, Mancini L. Heavy metals in tributaries of Tiber River in the urban area of Rome (Italy). *Heliyon*. 2024;10(13). doi:10.1016/j.heliyon.2024.e33964.
- Chizzolini C, Guery J-C, Noulet F, Gruaz L, Cenac C, Frasca L, Hugues S, *et al.* Extrafollicular CD19lowCXCR5⁺CD11c⁺ double negative 3 (DN3) B cells are significantly associated with disease activity in females with systemic lupus erythematosus. *Journal of Translational Autoimmunity*. 2024;9. doi:10.1016/j.jtauto.2024.100252.
- Choudhary P, Monasso GS, Karhunen V, Ronkainen J, Mancano G, Howe CG, Sebert S, *et al.* Maternal educational attainment in pregnancy and epigenome-wide DNA methylation changes in the offspring from birth until adolescence. *Molecular Psychiatry*. 2024;29(2):348-358. doi:10.1038/s41380-023-02331-5.
- Ciancio GM, Di Giorgi A, Aquilina V, La Maida N, Di Trana A. The undervalued issue of drug of abuse adulterants' toxicity: the Italian perspective. *Biochimica Clinica*. 2024;48(4):357-369. doi:10.19186/BC_2024.030.
- Cicero RV, Zambri F, Grandolfo M, Varone F, Smith M, Colaceci S. Characteristics of out-of-hospital births and perinatal outcomes: data from the Lazio Region, Italy, cross-sectional study from 2019 to 2021. *Ann Ist Super Sanita*. 2024;60(2):98-106. doi:10.4415/ANN_24_02_03.
- Ciminello E, Modesti A, Romanini E, Lepore S, Tucci G, Di Gennaro S, Torre M, *et al.* Trends and changes in treating proximal humeral fractures in Italy: Is arthroplasty an increasingly preferred option? A nation-wide, population-based study over a period of 22 years. *Journal of Clinical Medicine*. 2024;13(19). doi:10.3390/jcm13195780.
- Cioce A, Cavani A, Cattani C, Scopelliti F. Role of the skin immune system in wound healing. *Cells*. 2024;13(7). doi:10.3390/cells13070624.
- Ciofalo A, Loperfido A, Baroncelli S, Masieri S, Bellocchi G, Caramia R, Cavaliere C, *et al.* Comparison between clinical and cytological findings in chronic rhinosinusitis with nasal polyps treated with Dupilumab. *European Archives of Oto-Rhino-Laryngology*. 2024;281(12):6511-6521. doi:10.1007/s00405-024-08958-6.
- Cipresso P, Giuliani A. Editorial: Rising stars in: quantitative psychology and measurement 2021. *Frontiers in Psychology*. 2024;15. doi:10.3389/fpsyg.2024.1444644.
- Cirielli C, Facchiano F, Picardo M, Benedetto M, Tagliaferri R, Tagliaferri S, Facchiano A, *et al.* Topical use of tobramycin: A possible innovative treatment of severe skin chronic ulcers. *Experimental Dermatology*. 2024;33(7). doi:10.1111/exd.15131.
- Cirilli N, Floridia G, Amato A, Padoan R, Censi F, Ferrari G, Salvatore M, *et al.* The Italian external quality assessment program for Cystic Fibrosis sweat chloride test: CFTR modulators and the impact of a new sweat test report form. *Practical Laboratory Medicine*. 2024;40. doi:10.1016/j.plabm.2024.e00403.
- Cirulli F, Ciacchella C, Collacchi B. Sport and mental health. *Sustainable Development Goals Series*. 2024;3757:307-319. doi:10.1007/978-3-031-70165-8_20.
- Cirulli F, Spencer SJ, Zhang C. Chatting with AI: ChatGPT, where are we at 18 months on and what should we be doing about it? *Neuroscience*. 2024;552:112-114. doi:10.1016/j.neuroscience.2024.06.019.
- Cirulli F, Spencer SJ, Zhang C. The landscape of publishing in neuroscience: Honouring our scientific heritage and shaping the future of research. *Neuroscience*. 2024;544:138-139. doi:10.1016/j.neuroscience.2024.02.032.
- Clark SA, Willerton L, Claus H, Carannante A, Stefanelli P, Abad R, Vázquez JA, Borrow R. Exploring the sequence diversity and surface expression of Factor H-Binding Protein among invasive serogroup B meningococcal strains from selected European countries. *Human Vaccines and Immunotherapeutics*. 2024;20(1). doi:10.1080/21645515.2024.2427471.
- Collacchi B, Ciacchella C, Borgi M, D'Onofrio A, Fanelli G, Merolla S, Cirulli F, *et al.* Promoting mental health in military veterans. Methodology and evaluation tools in a pilot study involving an Equine-Assisted Intervention. *Rivista di Psichiatria*. 2024;59(6):298-305. doi:10.1708/4386.43838.
- Colledani D, Anselmi P, Monacis L, Robusto E, Genetti B, Andreotti A, Minutillo A, *et al.* Validation of the HRI-24 on adolescents and development of a short version of the instrument. *International Journal of Mental Health and Addiction*. 2024;22(6):4072-4089. doi:10.1007/s11469-023-01104-z.
- Colli C, Garzitto M, Bonivento C, Delvecchio G, Maggioni E, Fagnani C, Brambilla P, *et al.* Exploring the effects of family and life events on genetic and environmental architecture of schizotypal and hypomanic dimensions: Insights from a twin study. *Journal of Affective Disorders*. 2024;362:375-383. doi:10.1016/j.jad.2024.07.010.
- Comba P, Bruno C, Marsili D. Partnership between scientists and populations resident in contaminated sites. The case study of Biancavilla, Italy. *European Journal of Oncology*. 2024;29(1).

- Comba P, Cavariani F, Sala O, Comba VE. Health risks due to the presence of asbestos in cosmetic talcs. An Italian story. *Epidemiologia e Prevenzione*. 2024;48(3):249-253. doi:10.19191/EP24.3.A713.061.
- GBD 2021 Global Stillbirths Collaborators. Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries and territories, 1990–2021: findings from the Global Burden of Disease Study 2021. *The Lancet*. 2024;404(10466):1955-1988. doi:10.1016/S0140-6736(24)01925-1.
- Conte G, Costanza C, Novelli M, Scarselli V, Arigliani E, Valente F, Cardona F, *et al.* Comorbidities and disease duration in Tourette syndrome: Impact on cognition and quality of life of children. *Children*. 2024;11(2). doi:10.3390/children11020226.
- Contessa GM, D'Arienzo M, D'Avanzo MA, Pace N, Micheli P, Sarnelli A, Campanella F, *et al.* Emergency management in a Nuclear Medicine Department: Flooding scenario. *European Physical Journal Plus*. 2024;139(9). doi:10.1140/epjp/s13360-024-05551-y.
- Contessa GM, Garlati L, Grande S, Magnoni M. Radiation protection issues in the environment and workplaces: Editorial. *European Physical Journal Plus*. 2024;139(12). doi:10.1140/epjp/s13360-024-05871-z.
- Contoli B, Tosti ME, Asta F, Minardi V, Marchetti G, Casigliani V, Masocco M, *et al.* Exploring COVID-19 vaccination willingness in Italy: A focus on resident foreigners and Italians using data from PASSI and PASSI d'Argento surveillance systems. *Vaccines*. 2024;12(2). doi:10.3390/vaccines12020124.
- Corazza GR, Troncone R, Lenti MV, Silano M. Pediatric and adult celiac disease: A clinically oriented perspective. *Pediatric and Adult Celiac Disease: A Clinically Oriented Perspective*. 2024:1-351. doi:10.1016/C2022-0-01588-9.
- Corazza GR, Troncone R, Lenti MV, Silano M. Preface. *Pediatric and Adult Celiac Disease: A Clinically Oriented Perspective*. 2024:xvii-xviii. doi:10.1016/B978-0-443-13359-6.00019-4.
- Cordioli B, Rizzardi A, Guolo A, Ferro T, Bacchin C, Garbuio M, Bano L, *et al.* Antimicrobial susceptibility of *Clostridium botulinum* group III field strains isolated in Europe from animal outbreaks. *Veterinary Microbiology*. 2024;298. doi:10.1016/j.vetmic.2024.110281.
- Coriale G, Ceccanti M, Fiore M, Tarani F, Micangeli G, Menghi M, Tarani L, *et al.* Delay in the fine-tuning of locomotion in infants with meconium positive to biomarkers of alcohol exposure: A pilot study. *Rivista di Psichiatria*. 2024;59(2):52-59. doi:10.1708/4259.42358.
- Cosentino L, Urbinati C, Lanzillotta C, De Rasmio D, Valenti D, Pellas M, De Filippis B, *et al.* Pharmacological inhibition of the CB1 cannabinoid receptor restores abnormal brain mitochondrial CB1 receptor expression and rescues bioenergetic and cognitive defects in a female mouse model of Rett syndrome. *Molecular Autism*. 2024;15(1). doi:10.1186/s13229-024-00617-1.
- Costanzo M, Aiello F, Poggi A, Li Voti P, Fabbrini G, Belvisi D. Progressive supranuclear palsy phenotype as an atypical clinical presentation of Creutzfeldt-Jakob disease: A case report and review of the literature. *Clinical Parkinsonism and Related Disorders*. 2024;10. doi:10.1016/j.prdoa.2024.100247.
- Costanzo M, Cutrona C, Leodori G, Malimpensa L, D'antonio F, Conte A, Belvisi D. Exploring easily accessible neurophysiological biomarkers for predicting Alzheimer's disease progression: A systematic review. *Alzheimer's Research and Therapy*. 2024;16(1). doi:10.1186/s13195-024-01607-4.
- Costanzo M, Galosi E, De Bartolo MI, Gallo G, Leodori G, Belvisi D, Vivacqua G, *et al.* Evaluating the diagnostic potential of combined salivary and skin biomarkers in Parkinson's disease. *International Journal of Molecular Sciences*. 2024;25(9). doi:10.3390/ijms25094823.
- Covino DA, Farina I, Catapano L, Sozzi S, Spadaro F, Cecchetti S, Fantuzzi L, *et al.* Induction of the antiviral factors APOBEC3A and RSAD2 upon CCL2 neutralization in primary human macrophages involves NF- κ B, JAK/STAT, and gp130 signaling. *Journal of Leukocyte Biology*. 2024;116(4):876-889. doi:10.1093/jleuko/qiae123.
- Crestini A, Carbone E, Rivabene R, Ancidoni A, Rosa P, Tata AM, Piscopo P, *et al.* A Systematic review on drugs acting as nicotinic acetylcholine receptor agonists in the treatment of dementia. *Cells*. 2024;13(3). doi:10.3390/cells13030237.
- Creti R, Imperi M, Khan UB, Berardi A, Recchia S, Alfarone G, Gherardi G. Emergence of high-level Gentamicin resistance in *Streptococcus agalactiae* hypervirulent serotype IV ST1010 (CC452) strains by acquisition of a novel integrative and conjugative element. *Antibiotics*. 2024;13(6). doi:10.3390/antibiotics13060491.
- Criscuolo EM, Barbanti F, Spigaglia P. Design and development of molecular beacon-based real-time PCR assays to identify *Clostridioides difficile* types of main evolutionary Clades. *Microbiology Research*. 2024;15(1):354-370. doi:10.3390/microbiolres15010024.

- Criscuolo M, Tosti ME, Broccoli A, Varettoni M, Maraglino AME, Anastasia A, Pagano L, *et al.* Second neoplasms in Italian patients with hairy cell Leukemia after Treatment with Cladribine: A multicenter investigation and literature review. *Cancers*. 2024;16(8). doi:10.3390/cancers16081475.
- Cristiano W, De Marchi C, di Domenico K, Punzo O, Mancini A, Mancini L. The elephant in the room in greenhouse gases emissions: rethinking healthcare systems to face climate change. A rapid scoping review. *Environmental Sciences Europe*. 2024;36(1). doi:10.1186/s12302-024-00839-3.
- Crocchiolo R, Fusco C, Andreani M, Rombolà G, Falco M, Vecchiato C, Papola F, *et al.* Histocompatibility assessment in hematopoietic stem cell transplantation: Recommendations from the Italian Society for Immunogenetics and Transplantation Biology (Associazione Italiana di Immunogenetica e Biologia dei Trapianti - AIBT). *Blood Transfusion*. 2024;22(4):338-349. doi:10.2450/BloodTransfus.495.
- Crotti S, Cruciani D, Sabbatucci M, Spina S, Piscioneri V, Torricelli M, Papini M, *et al.* Terbinafine resistance in Trichophyton strains isolated from humans and animals: A retrospective cohort study in Italy, 2016 to May 2024. *Journal of Clinical Medicine*. 2024;13(18). doi:10.3390/jcm13185493.
- Cruciani M, Masiello F, Pati I, Pupella S, Angelis VD. Platelet rich plasma for facial rejuvenation: an overview of systematic reviews. *Blood Transfusion*. 2024;22(5):429-439. doi:10.2450/BloodTransfus.730.
- Cruciani M, Masiello F, Pati I, Pupella S, De Angelis V. platelet rich plasma use for treatment of acne scars: an overview of systematic reviews. *Blood Transfusion*. 2024;22(3):226-238. doi:10.2450/BloodTransfus.536.
- Cruciani M, Pati I, Masiello F, Piccinini V, Pupella S, Angelis VD. SARS-CoV-2 infection rebound among patients receiving antiviral agents, convalescent plasma, or no treatment: A systematic review with meta-analysis. *Blood Transfusion*. 2024;22(6):537-550. doi:10.2450/BloodTransfus.764.
- Cruciani M, Pati I, Masiello F, Pupella S, De Angelis V. Nirmatrelvir/ritonavir for COVID-19: An overview of systematic reviews. *Journal of Antimicrobial Chemotherapy*. 2024;79(3):477-497. doi:10.1093/jac/dkad376.
- Culletta G, Buttari B, Arese M, Brogi S, Almerico AM, Saso L, Tutone M. Natural products as non-covalent and covalent modulators of the KEAP1/NRF2 pathway exerting antioxidant effects. *European Journal of Medicinal Chemistry*. 2024;270. doi:10.1016/j.ejmech.2024.116355.
- Curti S, Gallo M, Ferrante D, Bella F, Boschetti L, Casotto V, Silvestri S, *et al.* Cholangiocarcinoma and occupational exposure to asbestos: Insights from the Italian pooled cohort study. *Medicina del Lavoro*. 2024;115(2). doi:10.23749/mdl.v115i2.14649.
- Cutrona C, Marchet F, Costanzo M, De Bartolo MI, Leodori G, Ferrazzano G, Belvisi D, *et al.* Exploring the central mechanisms of Botulinum toxin in Parkinson's disease: A systematic review from animal models to human evidence. *Toxins*. 2024;16(1). doi:10.3390/toxins16010009.
- D'Agostino C, Cancelliere R, Ceccarelli A, Moscone D, Cozzi L, La Rosa G, Suffredini E, Micheli L. Evaluation of an enzyme-linked magnetic electrochemical assay for hepatitis A virus detection in drinking and vegetable processing water. *Chemosensors*. 2024;12(9). doi:10.3390/chemosensors12090188.
- D'Ambrosio A, Zamboni S, Camerini S, Casella M, Sanchez M, Pietraforte D, Margutti P, *et al.* Proteomic profile of extracellular vesicles from plasma and CSF of multiple sclerosis patients reveals disease activity-associated EAAT2. *Journal of Neuroinflammation*. 2024;21(1). doi:10.1186/s12974-024-03148-x.
- d'Andrea V, Trentini F, Marziano V, Zardini A, Manica M, Guzzetta G, Merler S, *et al.* Spatial spread of COVID-19 during the early pandemic phase in Italy. *BMC Infectious Diseases*. 2024;24(1). doi:10.1186/s12879-024-09343-8.
- D'Archivio M, Coppola L, Masella R, Tammaro A, La Rocca C. Sex and gender differences on the impact of metabolism-disrupting chemicals on obesity: A systematic review. *Nutrients*. 2024;16(2). doi:10.3390/nu16020181.
- D'Arienzo M, Contessa GM, D'Avanzo MA, Mattozzi M, Coniglio A, Sandri S, Campanella F, *et al.* Fire scenario in a nuclear medicine department: an impact assessment. *European Physical Journal Plus*. 2024;139(10). doi:10.1140/epjp/s13360-024-05680-4.
- D'Avenio G, Daniele C, Grigioni M. Nanostructured medical devices: Regulatory perspective and current applications. *Materials*. 2024;17(8). doi:10.3390/ma17081787.
- D'Ercole L, Rosi A, Bernardi G, Compagnone G, Orlacchio A, Padovani R, Palma A, Grande S. National survey to update the diagnostic reference levels in interventional radiology procedures in Italy: Working methodology. *Journal of Radiological Protection*. 2024;44(1). doi:10.1088/1361-6498/ad1fe1.

- D'Oria V, Bettocchi S, De Cosmi V, Paglia M, Colombo S, Scaglioni S, Paglia L, *et al.* Risk factors for early childhood caries in Italian preschoolers: A cross-sectional analysis. *European Journal of Paediatric Dentistry*. 2024;25(4):271-276. doi:10.23804/ejpd.2024.2289.
- D'Ugo E, Giuseppetti R, Magurano F, Diouf AM, Laneve G, Carvajal A, Tapete D, *et al.* Integration of satellite imagery and metagenomics to improve water quality assessment. *International Geoscience and Remote Sensing Symposium (IGARSS)*. 2024:1518-1521. doi:10.1109/IGARSS53475.2024.10642700.
- da Cas R, Alegiani SS, Mayer F, Cutillo M, Morciano C, Annunziata A, Rossi M, *et al.* Beyond the boundaries: Optimizing medication use in the assisted living residences of the Umbria Region. *Recenti Progressi in Medicina*. 2024;115(12):614-615. doi:10.1701/4392.43925.
- Dal Maso L, Toffolutti F, De Paoli A, Giudici F, Francisci S, Bucchi L, Guzzinati S, *et al.* Cure indicators and prevalence by stage at diagnosis for breast and colorectal cancer patients: A population-based study in Italy. *International Journal of Cancer*. 2024;155(2):270-281. doi:10.1002/ijc.34923.
- Davis T, Tabury K, Zhu S, Angeloni D, Baatout S, Benchoua A, Monici M, *et al.* How are cell and tissue structure and function influenced by gravity and what are the gravity perception mechanisms? *npj Microgravity*. 2024;10(1). doi:10.1038/s41526-024-00357-9.
- De Angelis ML, Francescangeli F, Aricò E, Verachi P, Zucchetti M, Matteo C, Baiocchi M, *et al.* A nanoencapsulated oral formulation of fenretinide promotes local and metastatic breast cancer dormancy in HER2/neu transgenic mice. *Journal of Experimental and Clinical Cancer Research*. 2024;43(1). doi:10.1186/s13046-024-03213-6.
- De Angelis R, Demuru E, Baili P, Troussard X, Katalinic A, Chirlaque Lopez MD, EURO CARE-6 Working Group. Complete cancer prevalence in Europe in 2020 by disease duration and country (EURO CARE-6): A population-based study. *The Lancet Oncology*. 2024;25(3):293-307. doi:10.1016/S1470-2045(23)00646-0.
- De Angelis R, Demuru E, Guzzinati S, Dal Maso L, Rossi S. Cured and chronic where we are: The numbers. *Journal of Cancer Rehabilitation*. 2024;7(4):123-126. doi:10.48252/JCR102.
- De Angelis S, Medda E, Rotondi D, Masocco M, Minardi V, Contoli B, Olivieri A, *et al.* Fifteen years of iodine prophylaxis in Italy: Results of a nationwide surveillance (period 2015-2019). *Journal of Clinical Endocrinology and Metabolism*. 2024;109(2):e495-e507. doi:10.1210/clinem/dgad593.
- De Angelis V, La Rocca U. Patient blood management in major digestive surgery in Italy: the time has come... *Giornale di Chirurgia*. 2024;44(1). doi:10.1097/IA9.0000000000000043.
- De Bartolo MI, Ojha A, Leodori G, Piervincenzi C, Vivacqua G, Pietracupa S, Belvisi D, *et al.* Association of early fMRI connectivity alterations with different cognitive phenotypes in patients with newly diagnosed Parkinson disease. *Neurology*. 2024;104(1). doi:10.1212/WNL.0000000000210192.
- De Francesco S, Amico C, De Giuli G, Giani L, Fagnani C, Medda E, Scaini S. Exploring the comorbidity between internalizing/externalizing dimensions and cognitive disengagement syndrome through twin studies: A narrative review. *Journal of Translational Genetics and Genomics*. 2024;8(2):102-118. doi:10.20517/jtgg.2023.51.
- De Francesco S, Scaini S, Alessandri G, Medda E, Camoni L, Stazi MA, Fagnani C. Age-related variations of genetic and environmental contributions to the covariation of fear, distress and externalizing symptoms: A twin study in childhood and adolescence. *Child Psychiatry and Human Development*. 2024;55(5):1354-1366. doi:10.1007/s10578-023-01498-w.
- de Franchis V, Petrungaro S, Pizzichini E, Camerini S, Casella M, Somma F, Giampietri C, *et al.* Cholangiocarcinoma malignant traits are promoted by Schwann cells through TGFβ signaling in a model of perineural invasion. *Cells*. 2024;13(5). doi:10.3390/cells13050366.
- De Gregorio C, Valente D, Ferrario V, Carugati F, Cristiano W, Raimondi T, Gamba M, *et al.* Who you live with and what you duet for: A review of the function of primate duets in relation to their social organization. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*. 2024;210(2):281-294. doi:10.1007/s00359-023-01689-9.
- De Masi S, Da Cas R, Ippolito FM, Baglio G, Zoccali C, Chiarotti F, COVIDVaxDia Study Group. Impact of COVID-19 vaccines in patients on hemodialysis: An Italian multicentre cohort study. *Journal of Nephrology*. 2024;37(7):1871-1880. doi:10.1007/s40620-024-02007-5.
- De Michele M, Piscopo P, Costanzo M, Lorenzano S, Crestini A, Rivabene R, Toni D, *et al.* Can repetitive transcranial magnetic stimulation (rTMS) promote neurogenesis and axonogenesis in subacute human ischemic stroke? *Biomedicine*. 2024;12(3). doi:10.3390/biomedicine12030670.

- De Risio L, Pettoruso M, Collevicchio R, Collacchi B, Boffa M, Santorelli M, Borgi M, *et al.* Staying connected: An umbrella review of meta-analyses on the push-and-pull of social connection in depression. *Journal of Affective Disorders*. 2024;345:358-368. doi:10.1016/j.jad.2023.10.112.
- De Rossi E, Imperatori C, Sciancalepore F, Prevete E, Maraone A, Canevelli M, Bersani FS, *et al.* Childhood trauma, mentalization and obsessive compulsive symptoms in a non-clinical sample: A mediation analysis study. *Clinical Neuropsychiatry*. 2024;21(3):195-204. doi:10.36131/cnfioritieditore2023060305.
- De Sabato L, Monini M, Galuppi R, Dini FM, Ianiro G, Vaccari G, Ostanello F, Di Bartolo I. Investigating the Hepatitis E virus (HEV) diversity in rat reservoirs from Northern Italy. *Pathogens*. 2024;13(8). doi:10.3390/pathogens13080633.
- De Silvestro G, Catalano L, Marano G, Piccinini V, Pupella S, Ostuni A, De Angelis V. The Italian registry of therapeutic apheresis in SISTRA: Year of activity 2022. *Transfusion and Apheresis Science*. 2024;63(1). doi:10.1016/j.transci.2023.103863.
- De Vita D, Stringaro AR, Colone M, Dupuis ML, Sciubba F, Scipione L, Garzoli S. Phytochemical constituents and biological properties of finger lime (*Citrus australasica* F. Muell.) peel, pulp and seeds. *Applied Sciences (Switzerland)*. 2024;14(15). doi:10.3390/app14156498.
- Del Rio D, Masi I, Caprara V, Ottavi F, Albertini Petroni G, Salvati E, Rosanò L, *et al.* The β -arrestin1/endothelin axis bolsters ovarian fibroblast-dependent invadosome activity and cancer cell metastatic potential. *Cell Death and Disease*. 2024;15(5). doi:10.1038/s41419-024-06730-6.
- Delgado-Vega AM, Cederroth H, Taylan F, Ekholm K, Ek M, Thonberg H, Nordgren A, *et al.* Pushing the boundaries of rare disease diagnostics with the help of the first undiagnosed Hackathon. *Nature Genetics*. 2024;56(11):2287-2294. doi:10.1038/s41588-024-01941-1.
- Della Bella C, Medici C, D'Elisio S, Benagiano M, Ludovisi A, Gomez-Morales MA, D'Elisio MM, Bruschi F. Interleukin 17 producing T cell responses in human chronic trichinellosis-insight from a case study. *Cytokine*. 2024;184. doi:10.1016/j.cyto.2024.156795.
- Delli Colli C, Chiarotti F, Campolongo P, Giuliani A, Branchi I. Towards a network-based operationalization of plasticity for predicting the transition from depression to mental health. *Nature Mental Health*. 2024;2(2):200-208. doi:10.1038/s44220-023-00192-z.
- Deneux-Tharaux C, Donati S. Maternal mortality surveillance must go beyond death certificates. *American Journal of Obstetrics and Gynecology*. 2024;231(2). doi:10.1016/j.ajog.2024.04.053.
- Dentici ML, Niceta M, Lepri FR, Mancini C, Priolo M, Bonnard AA, Tartaglia M, *et al.* Loss-of-function variants in ERF are associated with a Noonan syndrome-like phenotype with or without craniosynostosis. *European Journal of Human Genetics*. 2024;32(8):954-963. doi:10.1038/s41431-024-01642-7.
- Deodati A, Bottaro G, Germani D, Carli F, Tait S, Busani L, Cianfarani S, *et al.* Urinary Bisphenol A and Bis(2-Ethylhexyl) phthalate metabolite concentrations in children with obesity: A case-control study. *Hormone Research in Paediatrics*. 2024;97(4):388-396. doi:10.1159/000535305.
- D'Errigo P, De Luca L, Rosato S, Giordani B, Badoni G, Oliva F, Baglio G. Prognostic role of coronary angiography and revascularization in patients firstly admitted for heart failure in Italy. *International Journal of Cardiology*. 2024;413. doi:10.1016/j.ijcard.2024.132369.
- Di Antonio G, Raglio S, Mattia M. A geometrical solution underlies general neural principle for serial ordering. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-52240-6.
- Di Bartolo I, De Sabato L, Ianiro G, Vaccari G, Dini FM, Ostanello F, Monini M. Exploring the potential of Muridae as sentinels for human and zoonotic viruses. *Viruses*. 2024;16(7). doi:10.3390/v16071041.
- di Domenico K, Lacchetti I, Cafiero G, Mancini A, Carere M, Mancini L. Reviewing the use of zebrafish for the detection of neurotoxicity induced by chemical mixtures through the analysis of behaviour. *Chemosphere*. 2024;359. doi:10.1016/j.chemosphere.2024.142246.
- Di Felice E, Pinoni C, Rossi E, Amatori G, Mancuso E, Iapaolo F, Monaco F, *et al.* Susceptibility of Mediterranean Buffalo (*Bubalus bubalis*) following experimental infection with lumpy skin disease virus. *Viruses*. 2024;16(3). doi:10.3390/v16030466.
- Di Fusco SA, Abrignani MG, Amico AF, Lucà F, Mureddu GF, Ceravolo R, Colivicchi F, *et al.* Multidistrict atherosclerotic disease: Epidemiological and clinical framework. *Giornale Italiano di Cardiologia*. 2024;25(4):239-251. doi:10.1714/4244.42205.

- Di Gaudio F, Giaccone V, Cucina A, Indelicato S, Raso M, Brunacci G, La Rocca M, *et al.* Technical and health governance aspects of the external quality assessment system for classical and new psychoactive substances analysis testing in blood. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;245. doi:10.1016/j.jpba.2024.116175.
- Di Giuseppe F, Ricci-Vitiani L, Pallini R, Di Pietro R, Di Iorio P, Ascani G, Ciccarelli R, Angelucci S. Changes induced by P2X7 receptor stimulation of human glioblastoma stem cells in the proteome of extracellular vesicles isolated from their secretome. *Cells*. 2024;13(7). doi:10.3390/cells13070571.
- Di Leone G, Bertinato L, Brambilla G, Manno V, Napolano F, Savi S, Settimo G, Lagravinese D. COVID-19 in meat plants: A survey framed within a target prevention plan, in Italy. *Ann Ist Super Sanita*. 2024;60(3):171-178. doi:10.4415/ANN_24_03_01.
- Di Marco Lo Presti V, Ippolito D, Cardeti G, Cersini A, Bertolotti L, Amato B, Fiasconaro M, *et al.* Swinepox virus: An unusual outbreak in free-range pig farms in Sicily (Italy). *Porcine Health Management*. 2024;10(1). doi:10.1186/s40813-024-00376-8.
- Di Marco Lo Presti V, Ippolito D, Migliore S, Tolone M, Mignacca SA, Marino AMF, Fiasconaro M, *et al.* Large-scale serological survey on Mycobacterium avium subsp. paratuberculosis infection in sheep and goat herds in Sicily, Southern Italy. *Frontiers in Veterinary Science*. 2024;11. doi:10.3389/fvets.2024.1334036.
- Di Martino A, Bhattacharyya S, Riccardo F, Pandey R, Chiara M, Mani S, Stefanelli P, *et al.* The "Investigating and translating genomic evidence for public health response to SARS-CoV-2 (INSIDE SARS-CoV-2)" project - Network of excellence. Commentary. *Ann Ist Super Sanita*. 2024;60(2):85-88. doi:10.4415/ANN_24_02_01.
- Di Nolfi A, Giusti A, Canevelli M, Vanacore N, Pomati S, Cova I, Zambri F, *et al.* Dementia among migrants in Italy: a qualitative study of the ImmiDem project. *Ann Ist Super Sanita*. 2024;60(4):264-273. doi:10.4415/ANN_24_04_05.
- Di Pietro M, Filardo S, Mattioli R, Bozzuto G, Raponi G, Mosca L, Sessa R. Anti-biofilm activity of Oleacein and Oleocanthal from extra-virgin olive oil toward Pseudomonas aeruginosa. *International Journal of Molecular Sciences*. 2024;25(9). doi:10.3390/ijms25095051.
- Di Raimo R, Mizzoni D, Aloï A, Pietrangelo G, Dolo V, Poppa G, Fais S, Logozzi M. Antioxidant effect of a plant-derived extracellular vesicles' mix on human skin fibroblasts: Induction of a reparative process. *Antioxidants*. 2024;13(11). doi:10.3390/antiox13111373.
- Di Rosa V, Frigato E, Negrini P, Cristiano W, López-Olmeda JF, Rétaux S, Bertolucci C, *et al.* Sporadic feeding regulates robust food entrainable circadian clocks in blind cavefish. *iScience*. 2024;27(7). doi:10.1016/j.isci.2024.110171.
- Di Tata D, Bianchi D, Rossi F, Fatta LM, Sette S, Laghi F. Past body shaming experiences and food and alcohol disturbance in young adults: indirect effects via psychological distress. *Eating and Weight Disorders*. 2024;29(1). doi:10.1007/s40519-024-01687-z.
- Di Trana A, Di Giorgi A, Carlier J, Serra F, Busardò FP, Pichini S. "Tranq-dope": The first fatal intoxication due to xylazine-adulterated heroin in Italy. *Clinica Chimica Acta*. 2024;561. doi:10.1016/j.cca.2024.119826.
- Di Trana A, Di Giorgi A, Sprega G, Carlier J, Kobidze G, Montanari E, Pichini S, *et al.* Disposition of Hexahydrocannabinol Epimers and their metabolites in biological matrices following a single administration of smoked Hexahydrocannabinol: A preliminary study. *Pharmaceuticals*. 2024;17(2). doi:10.3390/ph17020249.
- Di Trana A, Di Giorgi A, Tittarelli R. Editorial: The relationship between exercise addiction, social media use, and mental health. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsy.2024.1459166.
- Di Trana A, Sprega G, Kobidze G, Taoussi O, Lo Faro AF, Bambagiotti G, Pichini S, *et al.* QuEChERS extraction and simultaneous quantification in GC-MS/MS of Hexahydrocannabinol Epimers and their metabolites in whole blood, urine, and oral fluid. *Molecules*. 2024;29(14). doi:10.3390/molecules29143440.
- Di Veroli B, Bentanachs R, Roglans N, Alegret M, Giona L, Profumo E, Buttari B, *et al.* Sex differences affect the NRF2 signaling pathway in the early phase of liver steatosis: A high-fat-diet-fed rat model supplemented with liquid fructose. *Cells*. 2024;13(15). doi:10.3390/cells13151247.
- Dinicola S, Unfer V, Soulage CO, Yap-Garcia MIM, Bevilacqua A, Benvenga S, Facchinetti F, *et al.* D-Chiro-Inositol in clinical practice: A perspective from the experts group on Inositol in basic and clinical research (EGOI). *Gynecologic and Obstetric Investigation*. 2024;89(4):284-294. doi:10.1159/000536081.

- Domanović D, Lewin A, O'Leary P, Janner-Jametti T, Dusouqui SAE, Sousa AP, Thomas S, *et al.* Assessing the risk of transfusion-transmitted variant Creutzfeldt-Jakob disease: A European perspective. *Blood Transfusion.* 2024;22(5):415-419. doi:10.2450/BloodTransfus.778.
- Domschke K, Seuling PD, Schiele MA, Bandelow B, Batelaan NM, Bokma WA, Baldwin DS, *et al.* The definition of treatment resistance in anxiety disorders: A Delphi method-based consensus guideline. *World Psychiatry.* 2024;23(1):113-123. doi:10.1002/wps.21177.
- Donato F, Rota M, Ceretti E, Viola GCV, Marullo M, Zani D, Montano L, *et al.* Polychlorinated Biphenyls and semen quality in healthy young men living in a contaminated area. *Toxics.* 2024;12(1). doi:10.3390/toxics12010006.
- Donfrancesco C, Buttari B, Marcozzi B, Sieri S, Di Leonardo A, Lo Noce C, Palmieri L, *et al.* Nutrition, physical activity and smoking habit in the Italian general adult population: CUORE project health examination survey 2018–2019. *Healthcare (Switzerland).* 2024;12(4). doi:10.3390/healthcare12040475.
- Dooka DB, Anyachor CP, Orish CN, Ezejiofor AN, Obasi CN, Frazzoli C, Orisakwe OE. Understanding the impact of Plant-Derived Food Grade Substances PDFGS on metal-induced neurodegeneration: A systematic review of preclinical evidence. *Journal of Trace Elements and Minerals.* 2024;7. doi:10.1016/j.jtemin.2023.100110.
- Dragone R, Grasso G, Licciardi G, Di Stefano D, Frazzoli C. Sensors driven system coupled with artificial intelligence for quality monitoring and HACCP in dairy production. *Sensing and Bio-Sensing Research.* 2024;45. doi:10.1016/j.sbsr.2024.100683.
- Dubbert T, Meester M, Smith RP, Tobias TJ, Di Bartolo I, John R, Burow E, *et al.* Biosecurity measures to control hepatitis E virus on European pig farms. *Frontiers in Veterinary Science.* 2024;11. doi:10.3389/fvets.2024.1328284.
- D'Ugo E, Mukherjee A, Giuseppetti R, Tucci M, Bucci P, Aulenta F, Laneve G, Magurano F. Integration of satellite surveillance and metagenomics for the monitoring and protection of water basins from oil spills. *Environmental Advances.* 2024;15. doi:10.1016/j.envadv.2024.100498.
- Dusemund B, Aquilina G, Bastos MDL, Marcon F, Pizzo F, Woutersen R, Manini P. Risk assessment of feed components of botanical origin – Approaches taken in the European Union. *Food and Chemical Toxicology.* 2024;188. doi:10.1016/j.fct.2024.114654.
- Egbujor MC, Tucci P, Buttari B, Nwobodo DC, Marini P, Saso L. Phenothiazines: Nrf2 activation and antioxidant effects. *Journal of Biochemical and Molecular Toxicology.* 2024;38(3). doi:10.1002/jbt.23661.
- Fontecedro E, Tossut D, Scattoni ML, Micai M, Bonavigo T, Salvador-Carulla L, Castelpietra G, *et al.* Outcome analysis on individual health budgets in mental Health: finding from the Friuli Venezia Giulia Region, Italy. *Journal of Mental Health.* 2024;33(2):159-168. doi:10.1080/09638237.2023.2210657.
- Emoyoma UO, Ezejiofor AN, Frazzoli C, Bocca B, Ekhatior OC, Onyena AP, Udom GJ, Orisakwe OE. Polycyclic aromatic hydrocarbons in fish (fresh and dried) and public health in Nigeria: a systematic review. *International Journal of Environmental Health Research.* 2024;34(5):2197-2212. doi:10.1080/09603123.2023.2230915.
- Engjom HM, De Bruin O, Ramakrishnan R, Aabakke AJM, Äyräs O, Deneux-Tharaux C, Thurn L, *et al.* Pregnant women admitted to hospital with covid-19 in 10 European countries: Individual patient data meta-analysis of population based cohorts in International Obstetric Survey Systems. *BMJ Medicine.* 2024;3(1). doi:10.1136/bmjmed-2023-000733.
- Ernst S, Nonno R, Langeveld J, Andreoletti O, Acin C, Papasavva-Stylianou P, Fast C, *et al.* Characterisation of European field goat prion isolates in ovine PrP overexpressing transgenic mice (Tgshp IX) reveals distinct prion strains. *Pathogens.* 2024;13(8). doi:10.3390/pathogens13080629.
- Escobar Marcillo DI, Guglielmi V, Privitera GF, Signore M, Simonelli V, Manganello F, Fortini P, *et al.* The dual nature of DNA damage response in obesity and bariatric surgery-induced weight loss. *Cell Death and Disease.* 2024;15(9). doi:10.1038/s41419-024-06922-0.
- Estupiñán-Romero F, Royo-Sierra S, González-Galindo J, Martínez-Lizaga N, Bogaert P, Schutte N, Bernal-Delgado E, *et al.* Delayed treatment in breast cancer patients during the COVID-19 pandemic: A population health information research infrastructure (PHIRI) case study. *European Journal of Public Health.* 2024;34(1):i50-i57. doi:10.1093/eurpub/ckae038.
- Etna MP, Alleve E, Coccia EM. Exploitation of immunological approaches for the quality testing of human vaccines to phase out the use of animals. Editorial. *Ann Ist Super Sanita.* 2024;60(1):1-3. doi:10.4415/ANN_24_01_01.

- Exertier C, Salerno A, Antonelli L, Fiorillo A, Ocello R, Seghetti F, Bolognesi ML, *et al.* Fragment merging, growing, and linking identify new Trypanothione reductase inhibitors for Leishmaniasis. *Journal of Medicinal Chemistry*. 2024;67(1):402-419. doi:10.1021/acs.jmedchem.3c01439.
- Fabbri M, Ledda C, Schirinzi T, Artusi CA, Avallone AR, Zenuni H, Del Prete E, *et al.* Multidisciplinary care use in neurodegenerative complex diseases: The example of progressive supranuclear palsy and advanced Parkinson's disease in real-life. *Parkinsonism and Related Disorders*. 2024;125. doi:10.1016/j.parkreldis.2024.107047.
- Fabiani M, Mateo-Urdiales A, Sacco C, Fotakis EA, Battilomo S, Petrone D, Pezzotti P, *et al.* Effectiveness against severe COVID-19 of a seasonal booster dose of bivalent (original/Omicron BA.4-5) mRNA vaccines in persons aged ≥ 60 years: Estimates over calendar time and by time since administration during prevalent circulation of different Omicron subvariants, Italy, 2022–2023. *Vaccine*. 2024;42(23). doi:10.1016/j.vaccine.2024.05.074.
- Fabrizi E, Ancidoni A, Locuratolo N, Piscopo P, Gatta FD, Salemm S, Martelli G, *et al.* The Italian guideline on diagnosis and treatment of dementia and mild cognitive impairment. *Age and Ageing*. 2024;53(11). doi:10.1093/ageing/afae250.
- Facchiano F, D'arcangelo D, Facchiano A. Alpha-2-Macroglobulin is a novel anticancer agent. *Oncology (Switzerland)*. 2024;102(7):641-645. doi:10.1159/000536033.
- Fadda A, Martelli F, Zein WM, Jeffrey B, Placidi G, Sieving PA, Falsini B. Statistical evaluation of ERG responses: A new method to validate cycle-by-cycle recordings in advanced retinal degenerations. *Investigative Ophthalmology and Visual Science*. 2024;65(4). doi:10.1167/iov.65.4.3.
- Fadda GL, Urbanelli A, Petrelli A, Trossarello M, Nitro L, Saibene AM, Cavallo G, *et al.* Type IV optic nerve and Onodi cell: Is there a risk of injury during sphenoid sinus surgery? *Acta Otorhinolaryngologica Italica*. 2024;44(1):36-41. doi:10.14639/0392-100X-N2462.
- Fagnani C, Gigantesco A, Giacomini G, Medda E. Connecting psychosocial and personality characteristics with mental health outcomes. An Italian co-twin control study. *Preventive Medicine Reports*. 2024;37. doi:10.1016/j.pmedr.2023.102559.
- Fais S, Logozzi M. The diagnostic and prognostic value of plasmatic exosome count in cancer patients and in patients with other pathologies. *International Journal of Molecular Sciences*. 2024;25(2). doi:10.3390/ijms25021049.
- Falsaperla R, Contessa GM, D'Agostino S, Tosetti N, Biagi L, Zoppetti N. MRI exposure assessment: An overview of Italian research activity. 2024 4th URSI Atlantic Radio Science Meeting, AT-RASC 2024. 2024. doi:10.46620/URSIATRASC24/QHCY4327.
- Fanciulli G, Bellino S, la Salvia A. Quality of outcome reporting for clinical trials on medullary thyroid cancer registered on clinicalTrials.gov. *Minerva Endocrinology*. 2024;49(2):230-231. doi:10.23736/S2724-6507.23.04034-4.
- Fanelli C, Giroux J, McSpadden D, Rajput K, Suresh K, Cisbani E, Wenaus T, *et al.* AI4EIC Hackathon: PID with the ePIC dRICH. *EPJ Web of Conferences*. 2024;295. doi:10.1051/epjconf/202429508004.
- Fappani C, Gori M, Bianchi S, Canuti M, Colzani D, Baggieri M, Amendola A, *et al.* Letter to the editor: Further identification of a measles variant displaying mutations impacting molecular diagnostics, Northern Italy, 2024. *Eurosurveillance*. 2024;29(7). doi:10.2807/1560-7917.ES.2023.29.7.2400079.
- Farina I, Andreotti M, Pastori C, Bona R, Galluzzo CM, Amici R, Fantuzzi L, *et al.* Modulation of CCR5 expression and R5 HIV-1 infection in primary macrophages exposed to sera from HESN, LTNP, and chronically HIV-1 infected people with or without natural antibodies to CCR5. *Virus Research*. 2024;350. doi:10.1016/j.virusres.2024.199506.
- Fasciana T, Antonelli A, Bianco G, Lombardo D, Codda G, Roscetto E, Giammanco A, *et al.* The CCM Project "Phenotypic and molecular screening methodologies for the detection of colonizations due to carbapenem-resistant Enterobacterales (CRE)". *Epidemiologia e Prevenzione*. 2024;48(6):470-475. doi:10.19191/EP24.6.A806.137.
- Fatta LM, Bianchi D, Laugeson EA, Veytsman E, Romano G, Laghi F, Scattoni ML. Enhancing social outcomes in autistic youth: Assessing the impact of PEERS® booster sessions. *Research in Developmental Disabilities*. 2024;147. doi:10.1016/j.ridd.2024.104698.
- Fatta LM, Siracusano M, Mazzone L. Independent living and employment options. *Autism Spectrum Disorder: Understanding the Female Phenotype*. 2024:197-209. doi:10.1007/978-3-031-62072-0_13.
- Favazzi UM, Marconi M, Carbone P, Guerrero D, Ruocco A, Manoli M, Pierdominici M, *et al.* Evaluating the impact of distance learning on gender-affirming healthcare competence: Knowledge acquisition and satisfaction among healthcare professionals in Italy. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1393188.

- Federico M. The immunologic downsides associated with the powerful translation of current COVID-19 vaccine mRNA can be overcome by mucosal vaccines. *Vaccines*. 2024;12(11). doi:10.3390/vaccines12111281.
- Feigin VL, GBD 2021 Stroke Risk Factor Collaborators. Global, regional, and national burden of stroke and its risk factors, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Neurology*. 2024;23(10):973-1003. doi:10.1016/S1474-4422(24)00369-7.
- Felline A, Bellucci L, Vezzi V, Ambrosio C, Cotecchia S, Fanelli F. Structural plasticity of arrestin-G protein coupled receptor complexes as a molecular determinant of signaling. *International Journal of Biological Macromolecules*. 2024;283. doi:10.1016/j.ijbiomac.2024.137217.
- Ferheen I, Spurio R, Marcheggiani S. Emerging issues on antibiotic-resistant bacteria colonizing plastic waste in aquatic ecosystems. *Antibiotics*. 2024;13(4). doi:10.3390/antibiotics13040339.
- Ferheen I, Spurio R, Marcheggiani S. Vehicle transmission of antibiotic-resistant pathogens mediated by plastic debris in aquatic ecosystems. *iScience*. 2024;27(6). doi:10.1016/j.isci.2024.110026.
- Ferraguti G, Fanfarillo F, Nicotera S, Terracina S, Moschella C, Mattia A, Francati S, *et al.* Italian Guidelines for the diagnosis and treatment of Fetal Alcohol Spectrum Disorders: Detecting alcohol drinking during pregnancy. *Rivista di Psichiatria*. 2024;59(5):241-249. doi:10.1708/4360.43514.
- Ferrante C, Sorgato P, Fioravanti M, Pacione L, Arduino GM, Ghersi S, Salomone E, *et al.* Supporting caregivers remotely during a pandemic: Comparison of WHO caregiver skills training delivered online versus in person in public health settings in Italy. *Journal of Autism and Developmental Disorders*. 2024;54(2):765-784. doi:10.1007/s10803-022-05800-y.
- Ferrante D, Angelini A, Barbiero F, Barbone F, Bauleo L, Binazzi A, Marinaccio A, *et al.* Cause specific mortality in an Italian pool of asbestos workers cohorts. *American Journal of Industrial Medicine*. 2024;67(1):31-43. doi:10.1002/ajim.23546.
- Ferrantelli F, Manfredi F, Donnini M, Leone P, Pugliese K, Olivetta E, Chiozzini C, *et al.* Extracellular vesicle-based anti-HOXB7 CD8⁺ T cell-specific vaccination strengthens antitumor effects induced by vaccination against Her2/neu. *Cancer Gene Therapy*. 2024;31(11):1688-1695. doi:10.1038/s41417-024-00831-2.
- Ferraresi F, Anticoli S, Salvioli S, Pirazzini C, Calzari L, Gentilini D, Kwiatkowska KM, *et al.* Epigenetic drift is involved in the efficacy of HBV vaccination. *Vaccines*. 2024;12(12). doi:10.3390/vaccines12121330.
- Ferrari AJ, Santomauro DF, GBD 2021 Diseases and Injuries Collaborators. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2133-2161. doi:10.1016/S0140-6736(24)00757-8.
- Ferrario V, Raimondi T, De Gregorio C, Carugati F, Cristiano W, Torti V, Giacomini C, *et al.* Singing in the rain! Climate constraints on the occurrence of indri's song. *American Journal of Primatology*. 2024;86(10). doi:10.1002/ajp.23673.
- Ferreira JSSP, Cruvinel-Júnior RH, da Silva EQ, Veríssimo JL, Monteiro RL, Duarte M, Giacomozzi C, Sacco ICN. Effectiveness of a web-based foot-ankle exercise program for treating ulcer risk factors in diabetic neuropathy in a randomized controlled trial. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-78188-7.
- Ferroni E, Gennaro N, Maifredi G, Leoni O, Profili F, Stasi C, Zorzi M, *et al.* Access to SARS-CoV-2 vaccination in immigrants in Italy, by geographical area of origin. *Vaccine*. 2024;42(2):375-382. doi:10.1016/j.vaccine.2023.11.043.
- Ferroni E, Mateo-Urdiales A, Bietta C, Cesaroni G, Anticoli S, Di Maggio E, Pezzotti P, *et al.* Sex differences in response to COVID-19 mRNA vaccines in Italian population. *Epidemiology and Infection*. 2024;152. doi:10.1017/S0950268824001079.
- Fertitta V, Varano B, Del Cornò M, Fortini P, Aureli A, Conti L. Akkermansia muciniphila- and pathogenic bacteria-derived endotoxins differently regulate human dendritic cell generation and $\gamma\delta$ T lymphocyte activation. *Biomolecules*. 2024;14(12). doi:10.3390/biom14121571.
- Finocchietti M, Crescioli G, Paoletti O, Brunori P, Sciancalepore F, Tuccori M, Kirchmayer U, *et al.* Drug use patterns in Myasthenia gravis: A real-world population-based cohort study in Italy. *Journal of Clinical Medicine*. 2024;13(11). doi:10.3390/jcm13113312.

- Finocchietti M, Marino ML, Rosa AC, Bellini A, Masiero L, Cardillo M, Belleudi V, *et al.* Immunosuppression with generics in liver and kidney transplantation: A real-world evidence study. *Drug Design, Development and Therapy*. 2024;18:53-69. doi:10.2147/DDDT.S431121.
- Fioravanti G, Galante A, Fattibene P, Torrieri Di Tullio L, Colacicchi S, De Thomas G, Alecci M, *et al.* Disentangling the intrinsic relaxivities of highly purified graphene oxide. *Nanotechnology*. 2024;35(24). doi:10.1088/1361-6528/ad3253.
- Fiorilla E, Ferrocino I, Gariglio M, Gai F, Zambotto V, Ozella L, Schiavone A, *et al.* Beyond soybean meal: Investigating the effects of dietary protein alternatives on gut health, liver function and microbiota in traditional slow-growing chicken breeds. *Italian Journal of Animal Science*. 2024;23(1):1635-1648. doi:10.1080/1828051X.2024.2416582.
- Fiorilla E, Ferrocino I, Gariglio M, Gai F, Zambotto V, Ozella L, Schiavone A, *et al.* Black soldier fly larvae: A one health approach to investigate gut, and organ health and meat quality response in slow-growing chickens. *BMC Veterinary Research*. 2024;20(1). doi:10.1186/s12917-024-04394-0.
- Fiorito N, Piacentini D, Cian S, Voltolini A, Fagherazzi J, Bino E, Cinquetti S, *et al.* Tuberculosis in a migrant population: Integrated management of a case through the Prevention Department and Hospital Services. *Microorganisms*. 2024;12(6). doi:10.3390/microorganisms12061216.
- Fisher AD, Marconi M, Castellini G, Safer JD, D'Arienzo S, Levi M, Ristori J, *et al.* Estimate and needs of the transgender adult population: The SPoT study. *Journal of Endocrinological Investigation*. 2024;47(6):1373-1383. doi:10.1007/s40618-023-02251-9.
- Fisher AD, Ristori J, Romani A, Cassioli E, Mazzoli F, Cocchetti C, Castellini G, *et al.* Back to the future: Is GnRHa treatment in transgender and gender diverse adolescents only an extended Evaluation phase? *Journal of Clinical Endocrinology and Metabolism*. 2024;109(6):1565-1579. doi:10.1210/clinem/dgad729.
- Floridia M, Giuliano M, Weimer LE, Ciardi MR, Agostoni P, Palange P, Grisetti T, *et al.* Symptom profile, case and symptom clustering, clinical and demographic characteristics of a multicentre cohort of 1297 patients evaluated for Long-COVID. *BMC Medicine*. 2024;22(1). doi:10.1186/s12916-024-03746-9.
- Fontán-Vela M, Kissling E, Nicolay N, Braeye T, Van Evercooren I, Hansen CH, Monge S, *et al.* Relative vaccine effectiveness against COVID-19 hospitalisation in persons aged ≥ 65 years: results from a VEBIS network, Europe, October 2021 to July 2023. *Eurosurveillance*. 2024;29(1). doi:10.2807/1560-7917.ES.2024.29.1.2300670.
- Formato A, Salbini M, Orecchini E, Pellegrini M, Buccarelli M, Vitiani L, Mongiardi M, *et al.* N-Acetyl-L-Cysteine (NAC) blunts Axitinib-related adverse effects in preclinical models of glioblastoma. *Cancer Medicine*. 2024;13(19). doi:10.1002/cam4.70279.
- Formisano R, D'Ippolito M, Giustini M, Catani S, Mondello S, Piccolino I, Hayes RL, *et al.* The prognostic role of candidate serum biomarkers in the post-acute and chronic phases of disorder of consciousness: A preliminary study †. *Brain Sciences*. 2024;14(3). doi:10.3390/brainsci14030239.
- Forte G, Pisano A, Bocca B, Fenu G, Farace C, Etzi F, Madeddu R, *et al.* Toxic metal and essential element concentrations in the blood and tissues of pancreatic ductal adenocarcinoma patients. *Toxics*. 2024;12(1). doi:10.3390/toxics12010032.
- Forte J, Gioia Fabiano M, Grazia Ammendolia M, Puglisi R, Rinaldi F, Ricci C, Marianecchi C, *et al.* Bioactive pH-sensitive nanoemulsion in melanoma cell lines. *International Journal of Pharmaceutics*. 2024;661. doi:10.1016/j.ijpharm.2024.124380.
- Forte J, Maurizi L, Fabiano MG, Conte AL, Conte MP, Ammendolia MG, Longhi C, *et al.* Gentamicin loaded niosomes against intracellular uropathogenic Escherichia coli strains. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-59144-x.
- Fortes C, Mastroeni S, Levati L, Alotto M, Ricci F, D'Atri S. The potential impact of dietary choices on melanoma risk: an anti-inflammatory diet. *Genes and Nutrition*. 2024;19(1). doi:10.1186/s12263-024-00745-6.
- Fortini P, Pascucci B. Special Issue "Mitochondrial Dysfunction: A common trigger in neurodegenerative and metabolic non-communicable diseases". *International Journal of Molecular Sciences*. 2024;25(7). doi:10.3390/ijms25074004.
- Fortuna C, Marsili G, Venturi G. Special issue "Arbovirus diagnostics". *Viruses*. 2024;16(8). doi:10.3390/v16081182.
- Fortuna C, Severini F, Marsili G, Toma L, Amendola A, Venturi G, Di Luca M, *et al.* Assessing the risk of Dengue virus local transmission: Study on vector competence of Italian Aedes albopictus. *Viruses*. 2024;16(2). doi:10.3390/v16020176.

- Foss CA, Wildes F, Mezzanzanica D, Podo F, Hung C-F, Yadav S, Vidaver M-FP. Imaging tumor and ascites-associated macrophages in a mouse model of metastatic ovarian cancer. *EJNMMI Research*. 2024;14(1). doi:10.1186/s13550-024-01157-8.
- Fossatelli L, Maroccia Z, Fiorentini C, Bonucci M. Resources for human health from the plant kingdom: The potential role of the flavonoid apigenin in cancer counteraction. *International Journal of Molecular Sciences*. 2024;25(1). doi:10.3390/ijms25010251.
- Fotakis EA, Mateo-Urdiales A, Fabiani M, Sacco C, Petrone D, Riccardo F, Bella A, Pezzotti P. Socioeconomic inequalities in SARS-CoV-2 infection and COVID-19 health outcomes in urban Italy during the COVID-19 vaccine rollout, January–November 2021. *Journal of Urban Health*. 2024;101(2):289-299. doi:10.1007/s11524-024-00844-0.
- Fotakis EA, Picasso E, Sacco C, Petrone D, Del Manso M, Bella A, Mateo-Urdiales A, *et al.* Impact of the 2023/24 autumn-winter COVID-19 seasonal booster campaign in preventing severe COVID-19 cases in Italy (October 2023–March 2024). *Vaccine*. 2024;42(26). doi:10.1016/j.vaccine.2024.126375.
- Franciosini G, Muraro S, De Gregorio A, De Simoni M, Di Francesco M, Di Martino F, Battistoni G, *et al.* Preliminary study on the correlation between accelerated current and dose in water for an electron-based LINAC. *Frontiers in Physics*. 2024;12. doi:10.3389/fphy.2024.1249393.
- Franco-Romero A, Morbidoni V, Milan G, Sartori R, Wulff J, Romanello V, Sandri M, *et al.* C16ORF70/Mytho promotes healthy ageing in *C. elegans* and prevents cellular senescence in mammals. *Journal of Clinical Investigation*. 2024;134(11):1-45. doi:10.1172/JCI165814.
- Franzò M, Pascucci S, Marinozzi F, Bini F. Challenges and outlook to designing cutting-edge mixed reality technologies of human pose estimation. *IFMBE Proceedings*. 2024;93:743-754. doi:10.1007/978-3-031-49062-0_78.
- Frasca L, Mennella A, Palazzo R. New, old, and shared antibody specificities in autoimmune Diseases. *Antibodies*. 2024;13(1). doi:10.3390/antib13010023.
- Frazzoli C, Bocca B, Battistini B, Ruggieri F, Rovira J, Amadi CN, Offor SJ, Orisakwe OE. Rare earth and platinum group elements in Sub-Saharan Africa and global health: The dark side of the burgeoning of technology. *Environmental Health Insights*. 2024;18. doi:10.1177/11786302241271553.
- French JMR, Deere K, Whitehouse MR, Pegg DJ, Ciminello E, Valentini R, Sayers A, *et al.* The completeness of national hip and knee replacement registers. *Acta Orthopaedica*. 2024;95:654-660. doi:10.2340/17453674.2024.42303.
- Frezza C, Fraioli DR, Conti F, Nicolosi RM, Scipione L, Serafini I, Foddai S, *et al.* Evaluation of the antifungal and antiproliferative properties of the lichen roccella tinctoria DC. Extracts and main components. *Pharmaceutics*. 2024;16(3). doi:10.3390/pharmaceutics16030331.
- Friesen I, Saluzzo F, Groenheit R, Aubry A, Anthony R, Niemann S, Werngren J, *et al.* ‘Availability of drugs and resistance testing for BPALM regimen for rifampicin-resistant tuberculosis in Europe’ by Lange *et al.* *Clinical Microbiology and Infection*. 2024;30(9):1204-1206. V10.1016/j.cmi.2024.06.001.
- Gaddini L, Chiodi V, Matteucci A, Boussadia Z, Buée L, Eddarkaoui S, Ferrante A, *et al.* Dipyrindamole ameliorates memory impairment and increases hippocampal calbindin expression in Niemann Pick C1 mice. *Journal of Neuroscience Research*. 2024;102(12). doi:10.1002/jnr.70011.
- Gagliotti C, Cangini A, Da Cas R, Ippoliti I, Trotta F, Fortinguerra F. Patterns of community antibiotic use with reference to the AWaRe classification of the World Health Organization. *JAC-Antimicrobial Resistance*. 2024;6(4). doi:10.1093/jacamr/dlae110.
- Gainotti S, Torrerri P, Mannelli C, Cagnazzo C, Ficara B, Petrini C. Registries or non-pharmacological observational studies? An operational attempt to draw the line and to provide some suggestions for the ethical evaluation of rare disease registries. *Ann Ist Super Sanita*. 2024;60(1):29-36. doi:10.4415/ANN_24_01_05.
- Gaj E, Pagnotta SM, Berlinberg EJ, Patel HH, Picconi O, Redler A, De Carli A. Intraoperative navigation system use increases accuracy of glenoid component inclination but not functional outcomes in reverse total shoulder arthroplasty: a prospective comparative study. *Archives of Orthopaedic and Trauma Surgery*. 2024;144(1):91-102. doi:10.1007/s00402-023-05038-y.
- Galati L, Chiantore MV, Marinaro M, Di Bonito P. Human Oncogenic Viruses: Characteristics and prevention strategies—Lessons learned from human papillomaviruses. *Viruses*. 2024;16(3). doi:10.3390/v16030416.
- Galati L, Di Bonito P, Marinaro M, Chiantore MV, Gheir T. HPV16 phylogenetic variants in anogenital and head and neck cancers: State of the art and perspectives. *Viruses*. 2024;16(6). doi:10.3390/v16060904.

- Galatola E, Agrillo B, Gogliettino M, Palmieri G, Maccaroni S, Vicenza T, Cozzi L, *et al.* A reliable multifaceted solution against foodborne viral infections: The case of RiLK1 decapeptide. *Molecules*. 2024;29(10). doi:10.3390/molecules29102305.
- Gallo P, Galea N, Colucci A, Valli R, Schwarz M, Belasio EF, D'Agostini A, *et al.* Mpox: Awareness, knowledge and information channels used by individuals accessing a sexually transmitted infections helpline. *Annali di Igiene Medicina Preventiva e di Comunità*. 2024;36(6):626-635. doi:10.7416/ai.2024.2637.
- Galosi S, Mancini C, Commone A, Calligari P, Caputo V, Nardecchia F, Leuzzi V, *et al.* Biallelic variants of MRPS36 cause a new form of Leigh syndrome. *Movement Disorders*. 2024;39(7):1225-1231. doi:10.1002/mds.29795.
- Gambardella AR, Antonucci C, Zanetti C, Noto F, Andreone S, Vacca D, Schiavoni G, *et al.* IL-33 stimulates the anticancer activities of eosinophils through extracellular vesicle-driven reprogramming of tumor cells. *Journal of Experimental and Clinical Cancer Research*. 2024;43(1). doi:10.1186/s13046-024-03129-1.
- Gammon RR, Hindawi S, Al-Riyami AZ, Ang AL, Bazin R, Bloch EM, Vermeulen M, *et al.* The use of predictive modelling to determine the likelihood of donor return during the COVID-19 pandemic. *Transfusion Medicine*. 2024;34(5):333-343. doi:10.1111/tme.13071.
- Gand M, Navickaite I, Bartsch L-J, Grützke J, Overballe-Petersen S, Rasmussen A, De Keersmaecker SCJ, *et al.* Towards facilitated interpretation of shotgun metagenomics long-read sequencing data analyzed with KMA for the detection of bacterial pathogens and their antimicrobial resistance genes. *Frontiers in Microbiology*. 2024;15. doi:10.3389/fmicb.2024.1336532.
- Gargiulo G, D'Avenio G, Grigioni M, Biancolini ME, Lopez A. Enhancing OT infection control: Real-time evaluation of HVAC systems through computational fluid dynamics and digital twin technology. *18th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2024 - Conference Program and Proceedings*. 2024.
- Garriga C, Valero-Gaspar T, Rodriguez-Blazquez C, Diaz A, Bezzegh P, Daňková Š, Forjaz MJ, *et al.* Identification of methodological issues regarding direct impact indicators of COVID-19: A rapid scoping review on morbidity, severity and mortality. *European Journal of Public Health*. 2024;34(1):i3-i10. doi:10.1093/eurpub/ckae072.
- Gasparini M, Brambilla G, Menotta S, Albrici G, Avezzù V, Vitali R, Cavallini D, *et al.* Sustainable dairy farming and fipronil risk in circular feeds: insights from an Italian case study. *Food Additives and Contaminants - Part A*. 2024;41(12):1582-1593. doi:10.1080/19440049.2024.2414954.
- Galstaldi S, Festa MG, Nieddu A, Zavagno G, Cau E, Barbieri C, Beccaria E, D'Ancona F. Identification of essential contents and a standard framework for the development of an infection prevention and control manual for healthcare facilities: A scoping review. *American Journal of Infection Control*. 2024;52(3):358-364. doi:10.1016/j.ajic.2023.08.021.
- Gaudio MC, Aureli F, Manna L, Borioni A, Maccelli A, Raimondo M, De Giorgi D, Bartolomei M. Illegal products containing selective androgen receptor modulators purchased online from Italy: Health risks for consumers. *Sexual Medicine*. 2024;12(2). doi:10.1093/sexmed/qfae018.
- Gelabert E, Plaza A, Roca-Lecumberri A, Bramante A, Brenna V, Garcia-Esteve L, Torres-Giménez A, *et al.* Suicide attempts during pregnancy and postpartum: A systematic review and meta-analysis. *Maternal and Child Health Journal*. 2024;28(9):1443-1453. doi:10.1007/s10995-024-03956-w.
- Generali T. General considerations on pesticide residues in olive oils. *Rivista Italiana delle Sostanze Grasse*. 2024;101(3):175-180.
- Gentile AE, Rinella S, Desogus E, Verrelli CM, Iosa M, Perciavalle V, Ruggieri M, Polizzi A. Motor imagery for paediatric neurorehabilitation: how much do we know? Perspectives from a systematic review. *Frontiers in Human Neuroscience*. 2024;18. doi:10.3389/fnhum.2024.1245707.
- Giammanco GM, Filizzolo C, Pizzo M, Sanfilippo GL, Cacioppo F, Bonura F, De Grazia S, *et al.* Detection of Echovirus 11 lineage 1 in wastewater samples in Sicily. *Science of the Total Environment*. 2024;918. doi:10.1016/j.scitotenv.2024.170519.
- Gianoli C, De Simoni M, Knopf A. Treatment verification in particle therapy. *Imaging in Particle Therapy: Current Practice and Future Trends*. 2024. doi:10.1088/978-0-7503-5117-1ch10.
- Giansanti D. AI in Cytopathology: A narrative umbrella review on innovations, challenges, and future directions. *Journal of Clinical Medicine*. 2024;13(22). doi:10.3390/jcm13226745.
- Giansanti D. Joint expedition: Exploring clinical medical imaging and artificial intelligence as a team integration. *Diagnostics*. 2024;14(6). doi:10.3390/diagnostics14060584.

- Giansanti D. Joint expedition: Exploring telehealth and the digital healthcare landscape as a team integration. *Healthcare (Switzerland)*. 2024;12(5). doi:10.3390/healthcare12050585.
- Giansanti D. Joint expedition: Exploring the intersection of digital health and AI in precision medicine with team integration. *Journal of Personalized Medicine*. 2024;14(4). doi:10.3390/jpm14040388.
- Giaquinto F, Lorenzini P, Salvi E, Carnevale G, Vaccaro R, Matascioli F, Bacigalupo I, *et al*. The profile of the Italian centers for cognitive disorders and dementia in the context of new drugs in Alzheimer's disease. *Journal of Alzheimer's Disease*. 2024;101(2):509-524. doi:10.3233/JAD-240594.
- Giometto S, Finocchietti M, Paoletti O, Lombardi N, Celani MG, Sciancalepore F, Lucenteforte E, Kirchmayer U. Adherence to riluzole therapy in patients with amyotrophic lateral sclerosis in three Italian regions—The CAESAR study. *Pharmacoepidemiology and Drug Safety*. 2024;33(1). doi:10.1002/pds.5736.
- Giona L, Musillo C, De Cristofaro G, Ristow M, Zarse K, Siems K, Berry A, *et al*. Western diet-induced cognitive and metabolic dysfunctions in aged mice are prevented by rosmarinic acid in a sex-dependent fashion. *Clinical Nutrition*. 2024;43(10):2236-2248. doi:10.1016/j.clnu.2024.08.012.
- Giordano M, Iacoviello O, Santangelo L, Martino M, Torres D, Carbone V, Francavilla R, *et al*. Gastrointestinal involvement in STEC-associated hemolytic uremic syndrome: 10 years in a pediatric center. *Pediatric Nephrology*. 2024;39(6):1885-1891. doi:10.1007/s00467-023-06258-5.
- Giorgioni L, Ambrosone A, Cometa MF, Salvati AL, Nisticò R, Magrelli A. Revolutionizing CAR T-Cell therapies: Innovations in genetic engineering and manufacturing to enhance efficacy and accessibility. *International Journal of Molecular Sciences*. 2024;25(19). doi:10.3390/ijms251910365.
- Giovannini D, Antonelli F, Casciati A, De Angelis C, Astorino MD, Bazzano G, Pazzaglia S, *et al*. Comparing the effects of irradiation with protons or photons on neonatal mouse brain: Apoptosis, oncogenesis and hippocampal alterations. *Radiotherapy and Oncology*. 2024;195. doi:10.1016/j.radonc.2024.110267.
- Girmenia C, Ciceri F, Corradini P, Cuneo A, D'Ancona F, Musto P, Barosi G, *et al*. Towards personalized prevention of Herpes zoster infection in patients with hematologic diseases or hematopoietic stem cell transplant recipients: A position paper from an ad hoc Italian expert panel. *Haematologica*. 2024;109(11):3496-3504. doi:10.3324/haematol.2023.284417.
- Gissi A, Tcheremenskaia O, Bossa C, Battistelli CL, Browne P. The OECD (Q)SAR assessment framework: A tool for increasing regulatory uptake of computational approaches. *Computational Toxicology*. 2024;31. doi:10.1016/j.comtox.2024.100326.
- Giudici F, De Paoli A, Toffolutti F, Guzzinati S, Francisci S, Bucci L, Bosu R, *et al*. Indicators of cure for women living after uterine and ovarian cancers: A population-based study. *American Journal of Epidemiology*. 2024;193(9):1224-1232. doi:10.1093/aje/kwae044.
- Giuffrè M, Errico G, Del Grosso M, Pagnotta M, Palazzotti B, Ballardini M, Monaco M, *et al*. Detection of KPC-216, a novel KPC-3 variant, in a clinical isolate of *Klebsiella pneumoniae* ST101 co-resistant to Ceftazidime-Avibactam and Cefiderocol. *Antibiotics*. 2024;13(6). doi:10.3390/antibiotics13060507.
- Giulbudagian M, Battisini B, Bäumler W, Blass Rico AM, Bocca B, Brungs C, Laux P, *et al*. Lessons learned in a decade: Medical-toxicological view of tattooing. *Journal of the European Academy of Dermatology and Venereology*. 2024;38(10):1926-1938. doi:10.1111/jdv.20072.
- Giuli MV, Hanieh PN, Forte J, Fabiano MG, Mancusi A, Natiello B, Carafa M, *et al*. pH-sensitive niosomes for ATRA delivery: A promising approach to inhibit Pin1 in high-grade serous ovarian cancer. *International Journal of Pharmaceutics*. 2024;649. doi:10.1016/j.ijpharm.2023.123672.
- Giuliani A. System science can relax the tension between data and theory. *Systems*. 2024;12(11). doi:10.3390/systems12110474.
- Giuliani A. The search for system's parameters: Statistical and dynamical description from complex network analysis. *Methods in Molecular Biology*. 2024;2745:21-30. doi:10.1007/978-1-0716-3577-3_2.
- Giuliani A, Vici A. On the (apparently) paradoxical role of noise in the recognition of signal character of minor principal components. *Stats*. 2024;7(1):54-64. doi:10.3390/stats7010004.
- Giuliani A, Vici A. Stability/flexibility: The tightly coupled homeostasis generator is at the same time the driver of change. *Ann Ist Super Sanita*. 2024;60(1):77-80. doi:10.4415/ANN_24_01_11.
- Gobbo F, Martelli F, Di Virgilio A, Demaria E, Sarli G, Migliaccio AR. The variation in the traits ameliorated by inhibitors of JAK1/2, TGF- β , P-selectin, and CXCR1/CXCR2 in the Gata1low model suggests that myelofibrosis

- should be treated by these drugs in combination. *International Journal of Molecular Sciences*. 2024;25(14). doi:10.3390/ijms25147703.
- Godos J, Zappalà G, Mistretta A, Galvano F, Grosso G. Mediterranean diet, diet quality, and adequacy to Italian dietary recommendations in southern Italian adults. *Mediterranean Journal of Nutrition and Metabolism*. 2024;17(3):191-204. doi:10.3233/MNM-240043.
- Göen T, Abballe A, Bousoumah R, Godderis L, Iavicoli I, Ingelido AM, Velin R, *et al.* HBM4EU chromates study – PFAS exposure in electroplaters and bystanders. *Chemosphere*. 2024;346. doi:10.1016/j.chemosphere.2023.140613.
- Golparian D, Cole MJ, Sánchez-Busó L, Day M, Jacobsson S, Uthayakumaran T, Velicko I, *et al.* Antimicrobial-resistant *Neisseria gonorrhoeae* in Europe in 2020 compared with in 2013 and 2018: A retrospective genomic surveillance study. *The Lancet Microbe*. 2024;5(5):e478-e488. doi:10.1016/S2666-5247(23)00370-1.
- Gori M, Fappani C, Bianchi S, Senatore S, Colzani D, Pasutto P, Amendola A, *et al.* Increased reports of measles in the Metropolitan City of Milan, northern Italy, September 2023 to March 2024. *Eurosurveillance*. 2024;29(16). doi:10.2807/1560-7917.ES.2024.29.16.2400201.
- Goulding DA, Bonnet N, Horcajada M-N, Baruchet M, Bermont F, Hauser J, O'Regan J, *et al.* The impact of complexation or complex coacervation of lactoferrin and osteopontin on simulated infant gastrointestinal digestion, intestinal inflammation, and in vivo bone development. *Food and Function*. 2024;15(19):9928-9940. doi:10.1039/d4fo02790f.
- Grande E, Alicandro G, Vichi M, Pompili M, Frova L. Suicide after partner's death in the elderly population: Results from a nationwide cohort study in Italy. *American Journal of Geriatric Psychiatry*. 2024;32(7):825-831. doi:10.1016/j.jagp.2024.01.031.
- Grassi T, Bagordo F, Rota MC, Dettori M, Baldovin T, Napolitano F, Gabutti G, *et al.* Seroprevalence of measles antibodies in the Italian general population in 2019–2020. *Vaccine*. 2024;42(22). doi:10.1016/j.vaccine.2024.05.060.
- Grassi T, Tiple D, Villa M, Grisetti T, Pricei F, Floridia M, Onder G, *et al.* Analysis of the long-term effects of COVID-19 infection (long-COVID) in Italy during and after the pandemic emergency and response strategy. *Epidemiologia e Prevenzione*. 2024;48(6):438-448. doi:10.19191/EP24.6.A786.135.
- Grecchi S, Bonczak B, Malacarne F, Salinas G, Cirilli R, Arnaboldi S. Wireless asymmetric umpolung electrosynthesis. *Chemical Communications*. 2024;60(74):10120-10123. doi:10.1039/d4cc02406k.
- Grecchi S, Bonetti G, Emanuele E, Ludvík J, Koláčná L, Liška A, Benincori T, *et al.* Designing powerful Biindole-based inherently chiral selectors: Enhancing enantiodiscrimination by core functionalization with additional coordination elements. *Chemistry - A European Journal*. 2024;30(23). doi:10.1002/chem.202303530.
- Grecchi S, Malacarne F, Cirilli R, Dell'Edera M, Ghirardi S, Benincori T, Arnaboldi S. Wireless hollow miniaturized objects for electroassisted chiral resolution. *Analytical Chemistry*. 2024;96(12):4901-4908. doi:10.1021/acs.analchem.3c05544.
- Grecchi S, Salinas G, Cirilli R, Benincori T, Ghirardi S, Kuhn A, Arnaboldi S. Miniaturized enantioselective tubular devices for the electromechanical wireless separation of chiral analytes. *Chem*. 2024;10(2):660-674. doi:10.1016/j.chempr.2023.11.001.
- Gringeri E, Furlanetto A, Billato I, Cescon M, De Carlis L, Mazzaferro V, Cillo U, *et al.* The Italian experience on liver transplantation for unresectable peri-hilar cholangiocarcinoma: a national survey and future perspectives. *Updates in Surgery*. 2024;76(7):2505-2513. doi:10.1007/s13304-024-01889-1.
- Grippio F, Minelli G, Cialesi R, Marchetti S, Pricei F, Onder G. Deaths related to post-COVID in Italy: A national study based on death certificates. *Frontiers in Medicine*. 2024;11. doi:10.3389/fmed.2024.1401602.
- Grossi AA, Cabrini L, Redaelli P, Manfrin E, de Min F, Donato MA, Cardillo M, Picozzi M. Cognitive and non-cognitive factors affecting decision-making about deceased organ donation in Italy: A systematic review. *Minerva Anestesiologica*. 2024;90(10):931-938. doi:10.23736/S0375-9393.24.18098-4.
- Grossi PA, Lombardini L, Donadio R, Peritore D, Feltrin G. Perspective on donor-derived infections in Italy. *Transplant Infectious Disease*. 2024;26(1). doi:10.1111/tid.14398.
- Guadano-Procesi I, Berrilli F, Montalbano Di Filippo M, Di Cave D. Detection and genotyping of *Dientamoeba fragilis* from symptomatic patients: New insights from Italy into a little-known gastrointestinal protozoan. *Parasitology International*. 2024;98. doi:10.1016/j.parint.2023.102816.

- Guglielmi P, Pulitelli G, Arrighi F, Secci D, Pierini M, Cirilli R. Chiral hydroxy metabolite of mebendazole: Analytical and semi-preparative high-performance liquid chromatography resolution and chiroptical properties. *Pharmaceuticals*. 2024;17(6). doi:10.3390/ph17060696.
- Gutzen R, De Bonis G, De Luca C, Pastorelli E, Capone C, Allegra Mascaro AL, Denker M, *et al.* A modular and adaptable analysis pipeline to compare slow cerebral rhythms across heterogeneous datasets. *Cell Reports Methods*. 2024;4(1). doi:10.1016/j.crmeth.2023.100681.
- Guzzinati S, Toffolutti F, Francisci S, De Paoli A, Giudici F, De Angelis R, Canu L, *et al.* Patients with cancer who will be cured and projections of complete prevalence in Italy from 2018 to 2030. *ESMO Open*. 2024;9(7). doi:10.1016/j.esmoop.2024.103635.
- Györke A, Balea A, Borşan S, Su C, Jiang T, Magdaş C, Cozma V, *et al.* Toxoplasma gondii genotypes and frequency in domestic cats from Romania. *BMC Veterinary Research*. 2024;20(1). doi:10.1186/s12917-024-04210-9.
- Hageman SHJ, Kaptoge S, De Vries TI, Lu W, Kist JM, Van Os HJA, Dorresteijn JAN, *et al.* Prediction of individual lifetime cardiovascular risk and potential treatment benefit: Development and recalibration of the LIFE-CVD2 model to four European risk regions. *European Journal of Preventive Cardiology*. 2024;31(14):1690-1699. doi:10.1093/eurjpc/zwae174.
- Harel D, Wu Y, Levis B, Fan S, Sun Y, Xu M, DEPRESSion Screening Data (DEPRESSD) Collaboration. Comparison of patient health questionnaire-9, Edinburgh postnatal depression scale and hospital anxiety and depression – Depression subscale scores by administration mode: An individual participant data differential item functioning meta-analysis. *Journal of Affective Disorders*. 2024;361:674-683. doi:10.1016/j.jad.2024.06.033.
- Hariharan S, Rogers N, Naesens M, Pestana JM, Ferreira GF, Requião-Moura LR, Mehta RB, *et al.* Long-term Kidney transplant survival across the globe. *Transplantation*. 2024;108(9):e254-e263. doi:10.1097/TP.0000000000004977.
- Hummerich H, Speedy H, Campbell T, Darwent L, Hill E, Collins S, Mead S, *et al.* Genome wide association study of clinical duration and age at onset of sporadic CJD. *PLoS ONE*. 2024;19(7). doi:10.1371/journal.pone.0304528.
- Iacobino A, Teloni R, Mancone C, Facchiano F, Di Giamberardino A, Senatore C, Mariotti S, *et al.* Identification of Rv1133c (MetE) as a marker of Mycobacterium tuberculosis replication and as a highly immunogenic antigen with potential immunodiagnostic power. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1464923.
- Ianiro G, Pavoni E, De Sabato L, Monini M, Delibato E, Perrone V, Di Bartolo I, *et al.* Investigation of Salmonella, hepatitis E virus (HEV) and viral indicators of fecal contamination in four Italian pig slaughterhouses, 2021–2022. *Research in Veterinary Science*. 2024;171. doi:10.1016/j.rvsc.2024.105209.
- Iannone A, Giansanti D. Breaking Barriers—The intersection of AI and assistive technology in autism care: A narrative review. *Journal of Personalized Medicine*. 2024;14(1). doi:10.3390/jpm14010041.
- Iannuzzo A, Delafontaine S, El Masri R, Tacine R, Prencipe G, Nishitani-Isa M, Delon J, *et al.* Autoinflammatory patients with Golgi-trapped CDC42 exhibit intracellular trafficking defects leading to STING hyperactivation and ER stress. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-54294-y.
- Ilbeigi Khamseh Nejad M, Cappelli A, Damiani C, Falcinelli M, Catapano PL, Favia G, *et al.* Wolbachia and Asaia distribution among different Mosquito vectors is affected by tissue localization and host species. *Microorganisms*. 2024;12(3). doi:10.3390/microorganisms12030545.
- Imperi M, Gherardi G, Alfarone G, Creti R. Group B Streptococcus infections in non-pregnant adults, Italy, 2015–2019. *Pathogens*. 2024;13(9). doi:10.3390/pathogens13090807.
- Incocciati A, Cappelletti C, Masciarelli S, Liccardo F, Piacentini R, Giorgi A, Maccone A, *et al.* Ferritin-based disruptor nanoparticles: A novel strategy to enhance LDL cholesterol clearance via multivalent inhibition of PCSK9–LDL receptor interaction. *Protein Science*. 2024;33(9). doi:10.1002/pro.5111.
- Indini A, Didoné F, Massi D, Puig S, Casadevall JR, Bennett D, Trama A, *et al.* Incidence and prognosis of cutaneous melanoma in European adolescents and young adults (AYAs): EUROCare-6 retrospective cohort results. *European Journal of Cancer*. 2024;213. doi:10.1016/j.ejca.2024.115079.
- Ippoliti I, da Cas R, Marano G, Annunziata A, Salvi E, Ruggeri P, Menniti-Ippolito F. Safety of food supplements: From influencers to reports from the Italian Phytovigilance System. *Recenti Progressi in Medicina*. 2024;115(11):566-567. doi:10.1701/4365.43605.
- Ippoliti I, Di Giacomo S, Mazzanti G, Silano M, Menniti-Ippolito F. Analysis of suspected adverse reactions to food supplements containing beehive products: an update from the Italian Phytovigilance System. *Ann Ist Super Sanita*. 2024;60(3):225-233. doi:10.4415/ANN_24_03_08.

- Iribarren C, Plaza N, Ramírez-Araya S, Pérez-Reytor D, Urrutia ÍM, Suffredini E, García K, *et al.* Presence of Zonula occludens toxin-coding genes among *Vibrio parahaemolyticus* isolates of clinical and environmental origin. *Microorganisms*. 2024;12(3). doi:10.3390/microorganisms12030504.
- Iuliano M, Mongiovi RM, Parente A, Grimaldi L, Kertusha B, Carraro A, Romeo G, *et al.* Memory T cells subpopulations in a cohort of COVID-19 vaccinated or recovered subjects. *Viral Immunology*. 2024;37(9):440-445. doi:10.1089/vim.2024.0065.
- Iuliano M, Mongiovi RM, Parente A, Kertusha B, Carraro A, Marocco R, Romeo G, *et al.* Dysregulated inflammatory cytokine levels may be useful markers in a better up-dated management of COVID-19. *Current Issues in Molecular Biology*. 2024;46(8):8890-8902. doi:10.3390/cimb46080525.
- Jarque P, Carmona M, Roca A, Barcelo B, Pichini S, Elorza MÁ, Gomila I, *et al.* Evaluation of three-year neurodevelopmental outcomes in infants prenatally exposed to substance use. *Drug and Alcohol Dependence*. 2024;259. doi:10.1016/j.drugalcdep.2024.111284.
- Jeliazkova N, Longhin E, El Yamani N, Rundén-Pran E, Moschini E, Serchi T, Dusinska M, *et al.* A template wizard for the cocreation of machine-readable data-reporting to harmonize the evaluation of (nano)materials. *Nature Protocols*. 2024;19(9):2642-2684. doi:10.1038/s41596-024-00993-1.
- Joeres M, Maksimov P, Höper D, Calvelage S, Calero-Bernal R, Fernández-Escobar M, Schares G, *et al.* Genotyping of European *Toxoplasma gondii* strains by a new high-resolution next-generation sequencing-based method. *European Journal of Clinical Microbiology and Infectious Diseases*. 2024;43(2):355-371. doi:10.1007/s10096-023-04721-7.
- Jorbenadze S, Khatiaashvili T, Giunashvili L, Tchelidze A, Lo Faro AF, Pichini S, Chankvetadze B, *et al.* Challenges encountered in the enantioselective analysis of new psychoactive substances exemplified by clephedrone (4-CMC). *Journal of Pharmaceutical and Biomedical Analysis*. 2024;248. doi:10.1016/j.jpba.2024.116275.
- Jude T, Braghieri A, Cole P, Elsner D, Di Salvo R, Fantini A, Sonnenschein A, *et al.* The BGOOD experiment at ELSA, exotic structures in the light quark sector? *EPJ Web of Conferences*. 2024;291. doi:10.1051/epjconf/202429101004.
- Jude T, Braghieri A, Cole P, Elsner D, Salvo RD, Fantini A, Sonnenschein A, *et al.* The BGOOD experiment at ELSA, exotic structures in the light quark sector? *EPJ Web of Conferences*. 2024;303. doi:10.1051/epjconf/202430301015.
- Jülicher P, Makarova N, Ojeda F, Giusepi I, Peters A, Thorand B, Siebert U, *et al.* Cost-effectiveness of applying high-sensitivity troponin I to a score for cardiovascular risk prediction in asymptomatic population. *PLoS ONE*. 2024;19(7). doi:10.1371/journal.pone.0307468.
- Kalland ME, Pose-Boirazian T, Palomo GM, Naumann-Winter F, Costa E, Matusevicius D, Mariz S, *et al.* Advancing rare disease treatment: EMA's decade-long insights into engineered adoptive cell therapy for rare cancers and orphan designation. *Gene Therapy*. 2024;31(7-8):366-377. doi:10.1038/s41434-024-00446-0.
- Karakoltzidis A, Battistelli CL, Bossa C, Bouman EA, Garmendia Aguirre I, Nymark P, *et al.* The FAIR principles as a key enabler to operationalize safe and sustainable by design approaches. *RSC Sustainability*. 2024;2(11):3464-3477. doi:10.1039/d4su00171k.
- Karipidis K, Baaken D, Loney T, Blettner M, Brzozek C, Elwood M, Lagorio S, *et al.* The effect of exposure to radiofrequency fields on cancer risk in the general and working population: A systematic review of human observational studies – Part I: Most researched outcomes. *Environment International*. 2024;191. doi:10.1016/j.envint.2024.108983.
- Kenmoe S, Takuissu GR, Ebogo-Belobo JT, Kengne-Ndé C, Mbagi DS, Bowo-Ngandji A, La Rosa G, *et al.* A systematic review of influenza virus in water environments across human, poultry, and wild bird habitats. *Water Research X*. 2024;22. doi:10.1016/j.wroa.2023.100210.
- Kim C, Schilder N, Adolphus K, Berry A, Musillo C, Dye L, Thuret S, *et al.* The dynamic influence of nutrition on prolonged cognitive healthspan across the life course: A perspective review. *Neuroscience Applied*. 2024;3. doi:10.1016/j.nsa.2024.104072.
- Kintz P, Ameline A, Gheddar L, Pichini S, Mazoyer C, Teston K, Aknouche F, Maruejouis C. Testing for protonitazene in human hair using LC–MS–MS. *Journal of Analytical Toxicology*. 2024;48(8):630-635. doi:10.1093/jat/bkae050.
- Kobidze G, Sprega G, Montanari E, Taoussi O, Bambagiotti G, Fede MS, Faro AFL, *et al.* The first LC-MS/MS stereoselective bioanalytical methods to quantitatively detect 9R- and 9S-hexahydrocannabinols and their metabolites in human blood, oral fluid and urine. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;240. doi:10.1016/j.jpba.2023.115918.

- Koch E, Leiße A, Veseli B, Jensen J, Spekman M, Merz E-M, Clement M, *et al.* Incentives for plasma donation. *Vox Sanguinis*. 2024;119(8):775-784. doi:10.1111/vox.13644.
- Koja G, Mataj E, Giuseppetti R, Villano U, Bruni R, Ciccaglione AR, Presti AL. Tracking the phylogenetic profile of HEV in swine and wild boar in Europe. *New Microbiologica*. 2024;47(2):157-163.
- Kondili LA, Brancaccio G, Tosti ME, Coco B, Quaranta MG, Messina V, Zoncada A, *et al.* A holistic evaluation of patients with chronic Hepatitis D virus (HDV) infection enrolled in the Italian PITER-B and delta cohort. *International Journal of Infectious Diseases*. 2024;146. doi:10.1016/j.ijid.2024.107115.
- Kondili LA, Craxi A. Hepatitis C elimination: Tailoring the approach to each country's needs and realities. *Hepatology*. 2024;80(2):263-265. doi:10.1097/HEP.0000000000000824.
- Kondili LA, Lazarus JV, Jepsen P, Murray F, Schattenberg JM, Korenjak M, Craxi L, Buti M. Inequities in primary liver cancer in Europe: The state of play. *Journal of Hepatology*. 2024;80(4):645-660. doi:10.1016/j.jhep.2023.12.031.
- Kondili LA, Zanetto A, Quaranta MG, Ferrigno L, Panetta V, Calvaruso V, *et al.* Predicting de-novo portal vein thrombosis after HCV eradication: A long-term competing risk analysis in the ongoing PITER cohort. *United European Gastroenterology Journal*. 2024;12(3):352-363. doi:10.1002/ueg2.12496.
- Korenková V, Weisz F, Perglerová A, Cacciò SM, Nohýnková E, Tůmová P. Comprehensive analysis of flavohemoprotein copy number variation in *Giardia intestinalis*: exploring links to metronidazole resistance. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06392-5.
- Korhonen PK, La Rosa, G, Sumanam SB, Gomez Morales MA, Ludovisi A, Pozio E, *et al.* Enhanced genomic and transcriptomic resources for *Trichinella pseudospiralis* and *T. spiralis* to underpin the discovery of molecular differences between stages and species. *International Journal of Molecular Sciences*. 2024;25(13). doi:10.3390/ijms25137366.
- Kozisek F, Chorus I, Testai E, Kaloudis T, Akcaalan R, Albay M, Triantis T, *et al.* Incorporating taste and odour problems in water safety plans. *Journal of Water and Health*. 2024;22(10):1857-1873. doi:10.2166/wh.2024.166.
- Kraft F, Rodriguez-Aliaga P, Yuan W, Franken L, Zajt K, Hasan D, Kurth I, *et al.* Brain malformations and seizures by impaired chaperonin function of TRiC. *Science*. 2024;386(6721):516-525. doi:10.1126/science.adp8721.
- Kritikaki E, Mancini M, Kyriazis D, Sigala N, Farmer SF, Berthouze L. Constructing representative group networks from tractography: lessons from a dynamical approach. *Frontiers in Network Physiology*. 2024;4. doi:10.3389/fnetp.2024.1457486.
- Kwiatkowska KM, Anticoli S, Salvioli S, Calzari L, Gentilini D, Albano C, Garagnani P, *et al.* B Cells isolated from individuals who do not respond to the HBV vaccine are characterized by higher DNA methylation-estimated aging compared to responders. *Vaccines*. 2024;12(8). doi:10.3390/vaccines12080880.
- La Bella G, Basanisi MG, Nobili G, D'Antuono AM, Suffredini E, La Salandra G. Duplex droplet digital PCR assay for quantification of Hepatitis E virus in food. *Viruses*. 2024;16(3). doi:10.3390/v16030413.
- La Maida N, Di Giorgi A, Pichini S, Pellegrini M, Di Trana A, Elmo MG, Ducci G, *et al.* Comprehensive monitoring of psychoactive substances in psychiatric patients using liquid chromatography-high-resolution mass spectrometry: A key tool for treatment planning and understanding consumption patterns in Rome, Italy. *Therapeutic Drug Monitoring*. 2024;46(2):203-209. doi:10.1097/FTD.0000000000001163.
- La Rosa G, Iaconelli M, Suffredini E. Mpox and wastewater surveillance: tracing the spread of a viral outbreak through environmental monitoring. *The Scientific Basis of Mpox (Monkeypox): Features, Prevention, and Treatments*. 2024:245-265. doi:10.1016/B978-0-443-22123-1.00013-2.
- La Rosa G, Mancini P, Iaconelli M, Veneri C, Bonanno Ferraro G, Del Giudice C, Suffredini E, Sette C, *et al.* Tracing the footprints of SARS-CoV-2 in oceanic waters. *Science of the Total Environment*. 2024;906. doi:10.1016/j.scitotenv.2023.167343.
- La Salvia A, Fanciulli G. Progastrin-releasing peptide as a diagnostic biomarker of pulmonary and non-pulmonary neuroendocrine neoplasms. *Endocrine Research*. 2024;49(4):243-250. doi:10.1080/07435800.2024.2365895.
- La Salvia A, Lens-Pardo A, López-López A, Carretero-Puche C, Capdevila J, Benavent M, Soldevilla B, *et al.* Metabolomic profile of neuroendocrine tumors identifies methionine, porphyrin, and tryptophan metabolisms as key dysregulated pathways associated with patient survival. *European Journal of Endocrinology*. 2024;190(1):62-74. doi:10.1093/ejendo/lvad160.

- La Salvia A, Marcozzi B, Manai C, Mazzilli R, Landi L, Pallocca M, Ciliberto G, Cappuzzo F, Faggiano A. Rachel score: A nomogram model for predicting the prognosis of lung neuroendocrine tumors. *Journal of Endocrinological Investigation*. 2024;47(10):2575-2586. doi:10.1007/s40618-024-02346-x.
- La Salvia A, Meyer M-L, Hirsch FR, Kerr KM, Landi L, Tsao M-S, Cappuzzo F. Rediscovering immunohistochemistry in lung cancer. *Critical Reviews in Oncology/Hematology*. 2024;200. doi:10.1016/j.critrevonc.2024.104401.
- La Salvia A, Siciliani A, Rinzivillo M, Verrico M, Baldelli R, Puliani G, Faggiano A, *et al.* Thyroid transcription factor-1 expression in lung neuroendocrine tumours: A gender-related biomarker? *Endocrine*. 2024;83(2):519-526. doi:10.1007/s12020-023-03542-0.
- La Sorda M, De Maio F, Scaturro M, Fiori B, Santarelli G, Iera J, Mancini F, Posteraro B, Ricci ML, Sanguinetti M. Increasing detection of Legionnaires' disease in a large Italian hospital in the period 2016–2023. *Journal of Epidemiology and Global Health*. 2024;14(3):1358-1362. doi:10.1007/s44197-024-00276-8.
- La Sorda M, Palucci I, Natalini D, Fillo S, Giordani F, Paglione F, Ricci ML, *et al.* Case report: First report of *Legionella pneumophila* and *Bordetella bronchiseptica* coinfection in an immunocompromised patient. *Frontiers in Medicine*. 2024;11. doi:10.3389/fmed.2024.1470567.
- Laghezza A, Yu Y, Settimo G, Capolongo S, Gola M. How to evaluate the indoor air quality through users' perception and low-cost sensors: A methodology for defining how to match the qualitative and quantitative analysis in indoor working spaces, as a strategy for promoting health. *18th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2024 - Conference Program and Proceedings*. 2024.
- Lanciotti L, Giordano F, Fidente RM, Ferranti C, Lavallo R, Famele M, Marafon DP, Draisci R. Dangerous exposures to chemicals managed by Poison Centers all around the world during the COVID-19 pandemic: A systematic review and proportional meta-analysis. *Ann Ist Super Sanita*. 2024;60(2):134-144. doi:10.4415/ANN_24_02_08.
- Laneve G, Téllez A, Kallikkattil Kuruvila A, Bruno M, Messineo V. Eutrophication and HAB occurrence control in lakes of different origins: A multi-source remote sensing detection strategy. *Remote Sensing*. 2024;16(10). doi:10.3390/rs16101792.
- Langner T, Otranto D, Bezerra-Santos MA, Franzen J, Johne A, Tonanzi D, Pfeffer M, Birka S. Detection of *Spirocerca lupi* and an unknown *Trichinella*-like nematode in raccoon (*Procyon lotor*). *International Journal for Parasitology: Parasites and Wildlife*. 2024;23. doi:10.1016/j.ijppaw.2024.100911.
- Lapenta C, Santini SM, Antonacci C, Donati S, Cecchetti S, Frittelli P, Tamburo De Bella M, *et al.* Anti-tumor immunity to patient-derived breast cancer cells by vaccination with interferon-alpha-conditioned dendritic cells (IFN-DC). *Vaccines*. 2024;12(9). doi:10.3390/vaccines12091058.
- Lastrucci A, Giansanti D. Radiological crossroads: Navigating the intersection of virtual reality and digital radiology through a comprehensive narrative review of reviews. *Robotics*. 2024;13(5). doi:10.3390/robotics13050069.
- Lastrucci A, Giarnieri E, Carico E, Giansanti D. Revolutionizing cytology and cytopathology with natural language processing and chatbot technologies: A narrative review on current trends and future directions. *Bioengineering*. 2024;11(11). doi:10.3390/bioengineering11111134.
- Lastrucci A, Morelli I, Votta C, Maran I, Iosca N, Monaco IP, Bonomo P, *et al.* Open-face masks in radiotherapy: Enhancing therapeutic strategies for head and neck and brain cancer patients—A comprehensive scoping review. *Cancers*. 2024;16(16). doi:10.3390/cancers16162899.
- Lastrucci A, Pirrera A, Lepri G, Giansanti D. Algorithcs in Healthcare: Balancing innovation and integrity in AI development. *Algorithms*. 2024;17(10). doi:10.3390/a17100432.
- Lastrucci A, Wandael Y, Barra A, Miele V, Ricci R, Livi L, Giansanti D, *et al.* Precision metrics: A narrative review on unlocking the power of KPIs in radiology for enhanced precision medicine. *Journal of Personalized Medicine*. 2024;14(9). doi:10.3390/jpm14090963.
- Lastrucci A, Wandael Y, Barra A, Ricci R, Maccioni G, Pirrera A, Giansanti D. Exploring augmented reality integration in diagnostic imaging: Myth or reality? *Diagnostics*. 2024;14(13). doi:10.3390/diagnostics14131333.
- Lastrucci A, Wandael Y, Orlandi G, Barra A, Chiti S, Gigli V, Giansanti D, *et al.* Precision workforce management for radiographers: Monitoring and managing competences with an automatic tool. *Journal of Personalized Medicine*. 2024;14(7). doi:10.3390/jpm14070669.
- Lastrucci A, Wandael Y, Ricci R, Maccioni G, Giansanti D. The integration of deep learning in radiotherapy: Exploring challenges, opportunities, and future directions through an umbrella review. *Diagnostics*. 2024;14(9). doi:10.3390/diagnostics14090939.

- Lattanzi R, Casella I, Fullone MR, Maftai D, Vincenzi M, Miele R. MRAP2 inhibits β -arrestin-2 recruitment to the prokineticin receptor 2. *Current Issues in Molecular Biology*. 2024;46(2):1607-1620. doi:10.3390/cimb46020104.
- Lattanzi R, Casella I, Fullone MR, Vincenzi M, Maftai D, Miele R. Mapping the interaction site for β -arrestin-2 in the prokineticin 2 receptor. *Cellular Signalling*. 2024;119. doi:10.1016/j.cellsig.2024.111175.
- Lauwereyns J, Bajramovic J, Bert B, Camenzind S, De Kock J, Elezović A, Ahluwalia A, *et al.* Toward a common interpretation of the 3Rs principles in animal research. *Lab Animal*. 2024;53(12):347-350. doi:10.1038/s41684-024-01476-2.
- Lazarus JV, Mark HE, Allen AM, Arab JP, Carrieri P, Nouredin M, Zheng M-H, *et al.* A global action agenda for turning the tide on fatty liver disease. *Hepatology*. 2024;79(2):502-523. doi:10.1097/HEP.0000000000000545.
- Lega I, Luzi I, Mastroeni S, Ferraro C, Andreozzi S, Donati S, Fietje N, *et al.* Implementing a group singing intervention for postpartum depression within the Italian health service. *Frontiers in Medicine*. 2024;11. doi:10.3389/fmed.2024.1461965.
- Lega I, Mastroeni S, Ferraro C, Bauer A, Bucciarelli M, Andreozzi S, Pizzi E, Donati S. Perinatal mental health care in the Italian mental health departments: A national survey. *European Psychiatry*. 2024;67(1). doi:10.1192/j.eurpsy.2024.1749.
- Len O, Greenwald MA, Navarro A, Petrisli E, Carella C, Grossi PA, Feltrin G, Cardillo M. Perspectives on donor-derived infections from the Notify Library. *Transplant Infectious Disease*. 2024;26(1). doi:10.1111/tid.14359.
- Leonardi F, Venoso G, Bogi A, Bucci S, Caldognetto E, De Stena A, Peroni I, *et al.* Review of NORM occurrence and application of a tailored graded approach for the radiation protection in geothermal plants. *European Physical Journal Plus*. 2024;139(2). doi:10.1140/epjp/s13360-024-04917-6.
- Lepri G, Oddi F, Gulino RA, Giansanti D. Beyond the clinic walls: Examining radiology technicians' experiences in home-based radiography. *Healthcare (Switzerland)*. 2024;12(7). doi:10.3390/healthcare12070732.
- Lepri G, Oddi F, Gulino RA, Giansanti D. Reimagining Radiology: A comprehensive overview of reviews at the intersection of mobile and domiciliary radiology over the last five years. *Bioengineering*. 2024;11(3). doi:10.3390/bioengineering11030216.
- Levati L, Tabolacci C, Facchiano A, Facchiano F, Alvino E, Antonini Cappellini GC, D'Atri S, *et al.* Circulating interleukin-8 and osteopontin are promising biomarkers of clinical outcomes in advanced melanoma patients treated with targeted therapy. *Journal of Experimental and Clinical Cancer Research*. 2024;43(1). doi:10.1186/s13046-024-03151-3.
- Levis B, Benedetti A, Depression Screening Data (DEPRESSD) PHQ Group. Data-driven cutoff selection for the patient health questionnaire-9 depression screening Tool. *JAMA network open*. 2024;7(11). doi:10.1001/jamanetworkopen.2024.29630.
- Lilja T, Lindström A, Hernández-Triana LM, Di Luca M, Lwande OW. European Culex pipiens populations carry different strains of Wolbachia pipiens. *Insects*. 2024;15(9). doi:10.3390/insects15090639.
- Lo Faro AF, Sprega G, Beradinelli D, Tini A, Poyatos L, Papaseit E, Chankvetadze B, *et al.* Development of enantioselective high-performance liquid chromatography-tandem mass spectrometry method for the quantitative determination of 3,4-methylenedioxy-methamphetamine (MDMA) and its phase-I metabolites in human biological fluids. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;238. doi:10.1016/j.jpba.2023.115768.
- Lo Presti A, Ambrosio L, Di Martino A, Knijn A, De Sabato L, Vaccari G, Di Bartolo I, Morabito S, Palamara AT, Stefanelli P. Selective Pressure and Evolution of SARS-CoV-2 Lineages BF.7 and BQ.1.1 circulating in Italy from July to December 2022. *Microorganisms*. 2024;12(5). doi:10.3390/microorganisms12050908.
- Loconsole D, Centrone F, Sallustio A, Casulli D, Colella V, Mongelli O, Chironna M, *et al.* Abrupt increase in detection of locally acquired West-Nile-Virus-lineage-2-mediated neuroinvasive disease in a previously non-endemic area of Southern Italy (2023). *Viruses*. 2024;16(1). doi:10.3390/v16010053.
- London L, Watterson A, Mergler D, Albin M, Andrade-Rivas F, Ciaula AD, White R, *et al.* A call from 40 public health scientists for an end to the continuing humanitarian and environmental catastrophe in Gaza. *Environmental Health: A Global Access Science Source*. 2024;23(1). doi:10.1186/s12940-024-01097-9.
- Longo B, Alberti F.B, Pomahac B, Pribaz JJ, Meningaud J-P, Lengelé B, Cervelli V, *et al.* International consensus recommendations on face transplantation: A 2-step Delphi study. *American Journal of Transplantation*. 2024;24(1):104-114. doi:10.1016/j.ajt.2023.08.023.

- Lorenzetti S, Mikhail M, Benedetto LD, Dellambra E, Failla CM, Giannitelli SM, De Angelis I, *et al.* 3D Bioprinting of human skin and squamous cell tumors (SCCs) as advanced models for precision medicine (BIOSQIN). *Altex*. 2024;41(3):485-486. doi:10.14573/altex.2402261.
- Lori G, Coppola L, Casella M, Tinari A, Masciola I, Tait S. Chlorpyrifos induces autophagy by suppressing the mTOR pathway in immortalized GnRH neurons. *Chemosphere*. 2024;362. doi:10.1016/j.chemosphere.2024.142723.
- Losacco D, Campanale C, Triozzi M, Massarelli C, Uricchio VF. Application of wood and vegetable waste-based biochars in sustainable agriculture: Evaluation on nitrate leaching, pesticide fate, soil properties, and Brassica oleracea growth. *Environments – MDPI*. 2024;11(1). doi:10.3390/environments11010013.
- Lospinoso Severini L, Loricchio E, Navacci S, Basili I, Alfonsi R, Bernardi F, Di Marcotullio L, *et al.* SALL4 is a CRL3REN/KCTD11 substrate that drives Sonic Hedgehog-dependent medulloblastoma. *Cell Death and Differentiation*. 2024;31(2):170-187. doi:10.1038/s41418-023-01246-6.
- Lovecchio N, Giuseppetti R, Bertuccini L, Columba-Cabezas S, Di Meo V, Figliomeni M, D'Ugo E, *et al.* Hydrocarbonoclastic biofilm-based microbial fuel cells: Exploiting biofilms at water-oil interface for renewable energy and wastewater remediation. *Biosensors*. 2024;14(10). doi:10.3390/bios14100484.
- De Sabato L, Domanico M, De Santis P, Cecca D, Bonella G, Mastrandrea G, Di Bartolo I, *et al.* Longitudinal serological and virological survey of hepatitis E virus in wild boar (*Sus scrofa majori*, Maremman wild boar) and fallow deer (*Dama dama*) populations in a protected area of Central Italy. *Frontiers in Veterinary Science*. 2024;11. doi:10.3389/fvets.2024.1511823.
- Lupi E, Antonio GD, Angiolelli M, Sacha M, Kayabas MA, Alboré N, Fousek J, *et al.* A whole-brain model of the aging brain during slow wave sleep. *eNeuro*. 2024;11(11). doi:10.1523/ENEURO.0180-24.2024.
- Lykins J, Moschitto MJ, Zhou Y, Filippova EV, Le HV, Tomita T, McLeod RL, *et al.* From TgO/GABA-AT, GABA, and T-263 mutant to conception of Toxoplasma. *iScience*. 2024;27(1). doi:10.1016/j.isci.2023.108477.
- Maccari S, Profumo E, Saso L, Marano G, Buttari B. Propranolol promotes monocyte-to-macrophage differentiation and enhances macrophage anti-inflammatory and antioxidant activities by NRF2 activation. *International Journal of Molecular Sciences*. 2024;25(7). doi:10.3390/ijms25073683.
- Maccelli A, Borioni A, Aureli F, Gaudiano MC, Manna L, Raimondo M. A screening method for the quantitative determination of selective androgen receptor modulators (SARMs) in capsules by high resolution 19F- and 1H-NMR spectroscopy. *Analytical Methods*. 2024;16(14):2135-2146. doi:10.1039/d4ay00188e.
- Macchia I, Iacobone F, Urbani F. Optimization and intra-assay validation of a multiparametric flow cytometric test for monitoring circulating TREGs. *Methods in Cell Biology*. 2024;189:169-188. doi:10.1016/bs.mcb.2024.06.005.
- Macchia I, La Sorsa V, Ciervo A, Ruspantini I, Negri D, Borghi M, Mancini F, *et al.* T Cell peptide prediction, immune response, and host-pathogen relationship in vaccinated and recovered from mild COVID-19 subjects. *Biomolecules*. 2024;14(10). doi:10.3390/biom14101217.
- Macchia I, La Sorsa V, Moretti S. Editorial: Systemic cellular immune responses and immunological biomarkers in emerging and re-emerging viral infections: an evolving landscape. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1382350.
- Macri S, Laviola G. Can we target insulin signalling for cognition therapeutics? *Expert Opinion on Therapeutic Targets*. 2024;28(9):713-717. doi:10.1080/14728222.2024.2407821.
- Maggioni E, Colli C, Bizzotto C, Finaurini S, Fagnani C, Medda E, Brambilla P, *et al.* Investigating the impact of L1 retrotransposons on behavior: A pilot study on young twins. *Schizophrenia Research*. 2024;271:353-354. doi:10.1016/j.schres.2024.07.052.
- Magliocca V, Lanciotti A, Ambrosini E, Travaglini L, D'Ezio V, D'Oria V, Compagnucci C, *et al.* Modeling riboflavin transporter deficiency type 2: from iPSC-derived motoneurons to iPSC-derived astrocytes. *Frontiers in Cellular Neuroscience*. 2024;18. doi:10.3389/fncel.2024.1440555.
- Magrelli A, Scannavini P, D'Angelo D, Latini CM, Felli S, Di Nitto M, Casale G, *et al.* Cultural adaptation and testing of the Italian version of the Edmonton functional assessment Tool-2 (EFAT2-I). *Journal of Palliative Care*. 2024;39(1):29-35. doi:10.1177/08258597211059304.
- Malvi D, Vasuri F, Albertini E, Carbone M, Novelli L, Mescoli C, Eccher A, *et al.* Donors risk assessment in transplantation: From the guidelines to their real-world application. *Pathology Research and Practice*. 2024;255. doi:10.1016/j.prp.2024.155210.

- Mammone F, Sadutto D, Cirilli R. Multiwavelength optical rotation detection: An effective approach for the recognition of analytical and semi-preparative HPLC enantioseparation of the chiral pheromone olean and its stereochemical characterization. *Chirality*. 2024;36(11). doi:10.1002/chir.70006.
- Mammone FR, Panusa A, Risoluti R, Cirilli R. Green HPLC enantioseparation of chemopreventive chiral isothiocyanates homologs on an immobilized chiral stationary phase based on Amylose tris-[(S)- α -Methylbenzylcarbamate]. *Molecules*. 2024;29(12). doi:10.3390/molecules29122895.
- Mammone FR, Sadutto D, D'Ettorre G, Mosca A, Cirilli R. Improving the current European Pharmacopoeia enantioselective HPLC method for the determination of enantiomeric purity in atorvastatin Calcium salt drug substance. *Separations*. 2024;11(5). doi:10.3390/separations11050154.
- Manara R, Fragiaco F, Ladogana A, Vaianella L, Camporese G, Zorzi G, Cagnin A, *et al.* MRI abnormalities in Creutzfeldt–Jakob disease and other rapidly progressive dementia. *Journal of Neurology*. 2024;271(1):300-309. doi:10.1007/s00415-023-11962-1.
- Mancini L, Punzo O, Brusaferrero S. From COVID-19 to a “new normal”: Could we support a “healthy renaissance” for our cities? *Ann Ist Super Sanita*. 2024;60(1):72-76. doi:10.4415/ANN_24_01_10.
- Mancusi A, Delibato E, Peruzy MF, Girardi S, Di Maro O, Cristiano D, Thérèse Rose Proroga, Y, *et al.* Evaluation of two real-time PCR methods to detect *Yersinia enterocolitica* in bivalve molluscs collected in Campania region. *Food Research International*. 2024;192. doi:10.1016/j.foodres.2024.114789.
- Mancusi A, Proroga YTR, Maiolino P, Marrone R, D'Emilio C, Girardi S, Power K, *et al.* Droplet digital RT-PCR (dd RT-PCR) detection of SARS-CoV-2 in honey bees and honey collected in apiaries across the Campania Region. *Viruses*. 2024;16(5). doi:10.3390/v16050729.
- Mandolesi S, Niglio T, Lenci C. May Glymphatic drainage improve life quality in progressive multiple sclerosis outpatients? *Medical Devices: Evidence and Research*. 2024;17:417-426. doi:10.2147/MDER.S480815.
- Manetto S, Mazzocanti G, Pulitelli G, Niccolai S, Tanini D, Pierini M, Cirilli R. Enantioselective high-performance liquid chromatography combined with spectroscopic methods and theoretical calculations: A valid strategy to determine the absolute configuration of eugenol derivatives. *Chirality*. 2024;36(5). doi:10.1002/chir.23668.
- Manganelli M, Testai E, Codd GA. The complex relationship between cyanobacteria and antibiotics/antimicrobial resistance in the environment: An emerging factor in the One Health vision on antimicrobial resistance. *Advances in Oceanography and Limnology*. 2024;15(1). doi:10.4081/aiol.2024.12754.
- Manganelli V, Dini L, Tacconi S, Dinarelli S, Capozzi A, Rittano G, Garofalo T, *et al.* Autophagy promotes enrichment of raft components within extracellular vesicles secreted by human 2FTGH Cells. *International Journal of Molecular Sciences*. 2024;25(11). doi:10.3390/ijms25116175.
- Manno V, Minardi V, Masocco M, Cobellis F, Minelli G, Greco D. First national analysis of severe obesity hospitalizations in Italy: insights from discharge card database. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1332076.
- Marano G, Arcieri R, Rocchi RE, Annunziata A, Cuttillo M, Bucaneve G, Da Cas R, Rossi M. Use of antidepressant and antipsychotic drugs in subjects with hemophilia of the Umbria Region in the period 2011-2022. *Ann Ist Super Sanita*. 2024;60(3):208-215. doi:10.4415/ANN_24_03_06.
- Marano G, Capannini E, Annunziata A, Trotta F, Da Cas R, Mucci L. Haemophilia B therapy: Impact of the reimbursability of a long-acting recombinant factor on pharmaceutical expenditure in Italy. *Epidemiologia e prevenzione*. 2024;48(3):233-238. doi:10.19191/EP24.3.A718.059.
- Maraschini A, Ceccarelli E, Giangreco M, Monasta L, Manno V, Catelan D, Ronfani L, *et al.* Development of an Italian National Epidemiological Register on endometriosis based on administrative data. *Journal of Clinical Medicine*. 2024;13(11). doi:10.3390/jcm13113087.
- Maraschini A, Mandolini D, Lega I, D'Aloja P, Decenti EC, Baglio G, Antonelli A, *et al.* Maternal mortality in Italy estimated by the Italian Obstetric Surveillance System. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-80431-0.
- Marcellusi A, Mennini FS, Andreoni M, Kondili LA. Screening strategy to advance HCV elimination in Italy: a cost-consequence analysis. *European Journal of Health Economics*. 2024;25(7):1261-1273. doi:10.1007/s10198-023-01652-0.
- Marchei E, Graziano S, Vari MR, Minuttillo A, Aquilina V, Pichini S, Rotolo MC. NPS–EQA PART I: Four years' experience in external quality assessment program in Italy for classical and new psychoactive substances analysis in oral fluid. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;243. doi:10.1016/j.jpba.2024.116084.

- Marchetti G, D'Angelo F, Ferrari C, Bellini A, Sabato M, Scarso S, Declich S, *et al.* The Opportunity provided by vaccination offer to refugees from Ukraine in European Countries. *Vaccines*. 2024;12(6). doi:10.3390/vaccines12060589.
- Marcon F, Giunta S, Bignami M. Emerging roles of DNA repair factors in the stability of centromeres. *Seminars in Cell and Developmental Biology*. 2024;156:121-129. doi:10.1016/j.semcdb.2023.10.001.
- Marconi M, Pagano MT, Ristori J, Bonadonna S, Pivonello R, Meriggiola MC, Pierdominici M, *et al.* Sociodemographic profile, health-related behaviours and experiences of healthcare access in Italian transgender and gender diverse adult population. *Journal of Endocrinological Investigation*. 2024;47(11):2851-2864. doi:10.1007/s40618-024-02362-x.
- Margozzini P, Tolonen H, Bernabe-Ortiz A, Cuschieri S, Donfrancesco C, Palmieri L, Oyebo O, *et al.* National health examination surveys; a source of critical data. *Bulletin of the World Health Organization*. 2024;102(8):588-599. doi:10.2471/BLT.24.291783.
- Margutti P, D'Ambrosio A, Zamboni S. Microbiota-derived extracellular vesicle as emerging actors in host interactions. *International Journal of Molecular Sciences*. 2024;25(16). doi:10.3390/ijms25168722.
- Marianelli C, Pavlik I, Ghielmetti G. Editorial: Nontuberculous mycobacterial infections in animals and humans: Pathogenesis, diagnosis, prevention, treatment, and epidemiology. *Frontiers in Veterinary Science*. 2024;11. doi:10.3389/fvets.2024.1532801.
- Marin A-M, Olariu TR, Popovici D-C, Marucci G, Morariu S, Popa D, Mederle N. Trichinella spiralis infecting wild boars in West, Southwest, and Northwest of Romania: Evidence of an underrated risk. *Microorganisms*. 2024;12(5). doi:10.3390/microorganisms12050856.
- Marin A-M, Popovici D-C, Marucci G, Cherchi S, Mederle N. First Identification of Trichinella pseudospiralis in a Golden Jackal (Canis aureus) in Romania. *Pathogens*. 2024;13(1). doi:10.3390/pathogens13010032.
- Marin JJG, Macias RIR, Asensio M, Romero MR, Temprano AG, Pereira OR, Briz O, *et al.* Strategies to enhance the response of liver cancer to pharmacological treatments. *American Journal of Physiology - Cell Physiology*. 2024;327(1):C11-C33. doi:10.1152/ajpcell.00176.2024.
- Marín-Moreno A, Benestad SL, Barrio T, Pirisinu L, Espinosa JC, Tran L, Torres JM, *et al.* Classical BSE dismissed as the cause of CWD in Norwegian red deer despite strain similarities between both prion agents. *Veterinary research*. 2024;55(1). doi:10.1186/s13567-024-01320-y.
- Marino A, Cacopardo B, Villa L, D'Emilio A, Piro S, Nunnari G. Think Vibrio, think rare: Non-O1-non-O139- Vibrio cholerae Bacteremia in advanced lung cancer—A case report. *Tropical Medicine and Infectious Disease*. 2024;9(9). doi:10.3390/tropicalmed9090224.
- Mariotti S, Venturi G, Chiantore MV, Teloni R, De Santis R, Amendola A, Nisini R. Antibodies induced by Smallpox vaccination after at least 45 years cross-react with and in vitro neutralize Mpox virus: A role for Polyclonal B cell activation? *Viruses*. 2024;16(4). doi:10.3390/v16040620.
- Maritano S, Moirano G, Isaevska E, Pizzi C, Ponzo V, Moccia C, Richiardi L, *et al.* Examining the relationship between the environmental impact of diet and child growth from a co-benefit perspective. *Environmental Research*. 2024;250. doi:10.1016/j.envres.2024.118496.
- Marron L, Mateo-Urdiales A, O'Donnell J, Robinson E, Domegan L. The impact of the COVID-19 vaccination programme on symptomatic and severe SARS-CoV-2 infection during a period of Omicron variant dominance in Ireland, December 2021 to March 2023. *Eurosurveillance*. 2024;29(28). doi:10.2807/1560-7917.ES.2024.29.28.2300697.
- Marsili G, Pallotto C, Fortuna C, Amendola A, Fiorentini C, Esperti S, Argentini C, *et al.* Fifty years after the first identification of Toscana virus in Italy: Genomic characterization of viral isolates within lineage A and aminoacidic markers of evolution. *Infection, Genetics and Evolution*. 2024;122. doi:10.1016/j.meegid.2024.105601.
- Martino F, Niglio T, Barilla F, Martino E, Paravati V, Bassareo PP. The association between mid-upper arm circumference and blood pressure in an Italian Population of school-aged children and adolescents with lipid disorders. *Journal of Clinical Medicine*. 2024;13(3). doi:10.3390/jcm13030663.
- Martino F, Niglio T, Martino E, Barilla F, Guardamagna O, Paravati V, Bassareo PP. Awareness of cholesterol levels in 46,309 Italian children and adolescents unveils the tip of the iceberg. *European Journal of Pediatrics*. 2024;183(11):4747-4754. doi:10.1007/s00431-024-05745-7.

- Martino F, Niglio T, Martino E, Paravati V, de Sanctis L, Guardamagna O. Apolipoprotein B and Lipid profile in Italian children and adolescents. *Journal of Cardiovascular Development and Disease*. 2024;11(2). doi:10.3390/jcdd11020044.
- Martino S, D'Addabbo P, Turchiano A, Radio FC, Bruxelles A, Cordeddu V, Resta N, *et al*. Deep intronic ETFDH variants represent a recurrent pathogenic event in multiple Acyl-CoA dehydrogenase deficiency. *International Journal of Molecular Sciences*. 2024;25(17). doi:10.3390/ijms25179637.
- Massano M, Nuñez-Montero M, Papaseit E, Hladun O, Pérez-Maña C, Ventura M, Salomone A. Metabolic profile of N-ethylhexedrone, N-ethylpentedrone, and 4-chloromethcathinone in urine samples by UHPLC-QTOF-HRMS. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;241. doi:10.1016/j.jpba.2024.115994.
- Massarelli C, Campanale C, Uricchio VF. Characterization of synanthropic habitats on shallow seabeds using map clustering techniques: A case study in Taranto, Apulia, Italy. *Ecologies*. 2024;5(4):627-646. doi:10.3390/ecologies5040037.
- Mastrobattista L, Gomez Perez LJ, Gallimberti L, Genetti B, Andreotti A, Fassinato D, Mortali C, *et al*. Psychosocial risk and protective factors for youth problem behavior are associated with food addiction in the Generation Z. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1414110.
- Mastrobattista L, Solimini R, Mortali G, Di Pirchio R, Lanzillotta G, Massaccesi P, Mortali C, Pichini S, Palmi I. The Italian National Institute of Health helpline to quit tobacco and nicotine dependence: 20 years of activity. *Ann Ist Super Sanita*. 2024;60(2):126-133. doi:10.4415/ANN_24_02_07.
- Matarrese P, Puglisi R, Mattia G, Samela T, Abeni D, Malorni W. An overview of the biological complexity of Vitiligo. *Oxidative Medicine and Cellular Longevity*. 2024;2024. V10.1155/omcl/3193670.
- Matarrese P, Signore M, Ascione B, Fanelli G, Paggi MG, Abbruzzese C. Chlorpromazine overcomes temozolomide resistance in glioblastoma by inhibiting Cx43 and essential DNA repair pathways. *Journal of Translational Medicine*. 2024;22(1). doi:10.1186/s12967-024-05501-3.
- Mateo-Urdiales A, Fabiani M, Mayer F, Sacco C, Belleudi V, Da Cas R, Massari M, *et al*. Risk of breakthrough infection and hospitalisation after COVID-19 primary vaccination by HIV status in four Italian regions during 2021. *BMC Public Health*. 2024;24(1). doi:10.1186/s12889-024-19071-y.
- Matteo C, Orienti I, Eramo A, Zeuner A, Ferrari M, Passoni A, Frapolli R, *et al*. Validated LC-MS/MS assay for the quantitative determination of Fenretinide in plasma and tumor and its application in a pharmacokinetic study in mice of a novel oral nanoformulation of Fenretinide. *Pharmaceutics*. 2024;16(3). doi:10.3390/pharmaceutics16030387.
- Maurizi L, Lasalvia A, Fabiano MG, D'Intino E, Del Cioppo F, Frascchetti C, Longhi C, *et al*. Lentisk (*Pistacia lentiscus*) oil nanoemulsions loaded with Levofloxacin: phytochemical profiles and antibiofilm activity against *Staphylococcus* spp. *Pharmaceutics*. 2024;16(7). doi:10.3390/pharmaceutics16070927.
- Mazzarini M, Cherone J, Nguyen T, Martelli F, Varricchio L, Funnell AP.W, Papayannopoulou T, Migliaccio AR. The glucocorticoid receptor elicited proliferative response in human erythropoiesis is BCL11A-dependent. *Stem Cells*. 2024;42(11):1006-1022. doi:10.1093/stmcls/sxae049.
- Mazzilli S, Scardina G, Collini F, Forni S, Gianolio G, Bisceglia L, Tavošchi L, *et al*. Hospital admission and mortality rates for non-Covid diseases among residents of the long-term care facilities before and during the pandemic: A cohort study in two Italian regions. *Journal of Public Health (Germany)*. 2024;32(9):1599-1611. doi:10.1007/s10389-023-01925-1.
- Mazzotta AD, Bonci D. Advancements in hepatocellular carcinoma diagnosis and treatment: Liquid biopsy and surgery as precision treatment. *Hepatology Research*. 2024;10. doi:10.20517/2394-5079.2024.13.
- Mazzucco W, Stefanelli P, Marotta C, Cernigliaro A, Maida CM, Angeloni U, Silenzi A, Tramuto F, *et al*. SARS-CoV-2 molecular surveillance of migrant populations arriving to Italy via the Mediterranean Sea: Lessons learnt. *Epidemiologia e Prevenzione*. 2024;48:69-74. doi:10.19191/EP24.4-5.S1.115.
- Menegatti D, Giuseppi A, Poli C, Pietrabissa A. Dynamic topology optimization for efficient and decentralised federated learning. *Proceedings - 2024 IEEE International Conference on Big Data, BigData 2024*. 2024:7939-7945. doi:10.1109/BigData62323.2024.10826142.
- Menegon M, Mancuso E, Di Luca M, Casale F, Neves L, Smit A, Toma L, *et al*. Amblyomma sparsum Neumann 1899 on migratory birds from Africa: First records in Italy. *Ticks and Tick-borne Diseases*. 2024;15(6). doi:10.1016/j.ttbdis.2024.102387.

- Mennella A, Ocone G, Stefanantoni K, Frasca L. The Role of IRF8 Polymorphisms in systemic sclerosis development and pathogenesis. *Journal of Molecular Pathology*. 2024;5(1):120-132. doi:10.3390/jmp5010008.
- Merakou C, Amendola A, Fortuna C, Marsili G, Fiorentini C, Argentini C, Venturi G, *et al.* Diagnosis of imported Dengue and Zika Virus infections in Italy from November 2015 to November 2022: Laboratory surveillance data from a National Reference Laboratory. *Viruses*. 2024;16(1). doi:10.3390/v16010050.
- Mercurio M, Hajareh Haghighi F, Ubaldi F, Cerra S, Astolfi ML, Matassa R, Fratoddi I, *et al.* Ag-Decorated Titania nanoparticles for antibacterial applications. *ACS Applied Nano Materials*. 2024;7(17):21124-21140. doi:10.1021/acsanm.4c04409.
- Merlino L, Ciminello E, Volpicelli AI, Tillier S, Pasquali MF, Dominoni M, Piccioni MG, *et al.* Evaluation of the effectiveness of combined treatment with intravaginal Diazepam and pelvic floor rehabilitation in patients with Vulvodynia by ultrasound monitoring of biometric parameters of pelvic muscles: A pilot study. *Diseases*. 2024;12(8). doi:10.3390/diseases12080174.
- Merola C, Caioni G, Bertolucci C, Lucon-Xiccato T, Savaşçı BB, Tait S, Perugini M, *et al.* Embryonic and larval exposure to propylparaben induces developmental and long-term neurotoxicity in zebrafish model. *Science of the Total Environment*. 2024;912. doi:10.1016/j.scitotenv.2023.168925.
- Mesaglio M, Dentice S, Grassetti L, Achil I, Bernardinis A, Caruzzo D, Palese A, *et al.* The Role of the simulation in supporting newly graduated nurses in their first 5 months of working transition: Findings from a mixed-method study. *Journal of Clinical Nursing*. 2024. doi:10.1111/jocn.17617.
- Meslé MMI, Brown J, Mook P, Katz MA, Hagan J, Pastore R, Urdiales AM, *et al.* Estimated number of lives directly saved by COVID-19 vaccination programmes in the WHO European Region from December, 2020, to March, 2023: A retrospective surveillance study. *The Lancet Respiratory Medicine*. 2024;12(9):714-727. doi:10.1016/S2213-2600(24)00179-6.
- Messineo V, Bruno M, De Pace R. The role of Cyano-HAB (Cyanobacteria harmful algal blooms) in the One Health approach to Global Health. *Hydrobiology*. 2024;3(3):238-262. doi:10.3390/hydrobiology3030016.
- Metanmo S, Finbråten HS, Bøggild H, Nowak P, Griebler R, Guttersrud Ø, Pelikan J, *et al.* Communicative health literacy and associated variables in nine European countries: Results from the HLS19 survey. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-79327-w.
- Mhaouty-Kodja S, Zalko D, Tait S, Testai E, Vigié C, Corsini E, Silva MJ, *et al.* A critical review to identify data gaps and improve risk assessment of bisphenol A alternatives for human health. *Critical Reviews in Toxicology*. 2024;54(10):696-753. doi:10.1080/10408444.2024.2388712.
- Micai M, Caruso A, Gila L, Campanella F, Colombi C, Funari F, Scattoni ML, *et al.* Effectiveness, implementation settings, and research priorities of telemedicine-delivered interventions for children and adolescents with autism spectrum disorder: A systematic review. *Neuroscience and Biobehavioral Reviews*. 2024;166. doi:10.1016/j.neubiorev.2024.105875.
- Micai M, Fulceri F, Salvitti T, Romano G, Scattoni ML. Access and cost of services for autistic children and adults in Italy: A carers' perspective. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsy.2024.1299473.
- Micai M, Saldaña D, Vulchanova M, Riva V. Editorial: Physical and medical conditions associated with autism. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsy.2024.1447188.
- Micangeli G, Paparella R, Menghi M, Ceccanti M, Coriale G, Fiorentino D, Pipitone S, *et al.* Italian Guidelines for the diagnosis and treatment of Fetal Alcohol Spectrum Disorders: International diagnostic criteria - differences and similarities. *Rivista di Psichiatria*. 2024;59(5):212-220. doi:10.1708/4360.43511.
- Micocci M, Manica M, Bernardini I, Soresinetti L, Varone M, Di Lillo P, della Torre A, *et al.* An easier life to come for mosquito researchers: Field-testing across Italy supports VECTRACK system for automatic counting, identification and absolute density estimation of *Aedes albopictus* and *Culex pipiens* adults. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06479-z.
- Micolonghi C, Perrone F, Fabiani M, Caroselli S, Savio C, Pizzuti A, Piane M, *et al.* Unveiling the spectrum of minor genes in cardiomyopathies: A narrative review. *International Journal of Molecular Sciences*. 2024;25(18). doi:10.3390/ijms25189787.
- Micucci M, Gioacchini S, Baggieri M, Fioravanti R, Bucci P, Giuseppetti R, Magurano F, *et al.* Review from host and guest approach to new frontiers nutraceuticals in the era of COVID-19. *Future Foods*. 2024;9. doi:10.1016/j.fufo.2024.100303.

- Milano A, Robbiati C, Declich S, Calistri P, Pediconi O, Amato L, Dente MG, *et al.* Assessing the adoption of One Health approaches in National Plans to combat health threats: The pilot of a One Health conceptual framework in Armenia. *Tropical Medicine and Infectious Disease*. 2024;9(1). doi:10.3390/tropicalmed9010022.
- Minutillo A, Di Trana A, Aquilina V, Ciancio GM, Berretta P, La Maida N. Recent insights in the correlation between social media use, personality traits and exercise addiction: A literature review. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsy.2024.1392317.
- Mizzoni D, Logozzi M, Di Raimo R, Spada M, Fais S. Hydrogen-rich alkaline water supplementation restores a healthy state and redox balance in H₂O₂-treated mice. *International Journal of Molecular Sciences*. 2024;25(12). doi:10.3390/ijms25126736.
- Modica R, La Salvia A, Liccardi A, Cozzolino A, Di Sarno A, Russo F, Colao A, Faggiano A. Dyslipidemia, lipid-lowering agents and neuroendocrine neoplasms: New horizons. *Endocrine*. 2024;85(2):520-531. doi:10.1007/s12020-024-03767-7.
- Molfino A, Anastasi E, Assanto E, Toccini L, Imbimbo G, Gigante A, Muscaritoli M, *et al.* Association between serum levels of GDF-15, suPAR, PIVKA-II, sdLDL and clinical outcomes in hospitalized COVID-19 patients. *Internal and Emergency Medicine*. 2024;19(6):1557-1566. doi:10.1007/s11739-024-03630-7.
- Molfino A, Imbimbo G, Picconi O, Tartaglione L, Amabile MI, Lai S. Muscularity and adiposity are differently associated with inflammatory and nutritional biomarkers among patients on hemodialysis and peritoneal dialysis. *European Journal of Internal Medicine*. 2024;122:109-112. doi:10.1016/j.ejim.2023.11.015.
- Mollinari C, Cardinale A, Lupacchini L, Martire A, Chiodi V, Martinelli A, Merlo D, *et al.* The DNA repair protein DNA-PKcs modulates synaptic plasticity via PSD-95 phosphorylation and stability. *EMBO Reports*. 2024;25(8):3707-3737. doi:10.1038/s44319-024-00198-3.
- Monge S, Humphreys J, Nicolay N, Braeye T, Van Evercooren I, Holm Hansen C, Nunes B, *et al.* Effectiveness of XBB.1.5 monovalent COVID-19 vaccines during a period of XBB.1.5 dominance in EU/EEA countries, October to November 2023: A VEBIS-EHR network study. *Influenza and other Respiratory Viruses*. 2024;18(4). doi:10.1111/irv.13292.
- Monini M, Ianiro G, De Sabato L, Bivona M, Ostanello F, Di Bartolo I. Persistence of hepatitis E virus (HEV) subtypes 3c and 3e: Long-term cold storage and heat treatments. *Food Microbiology*. 2024;121. doi:10.1016/j.fm.2024.104529.
- Morciano C, Alegiani SS, Ippolito FM, Belleudi V, Trifirò G, Zanoni G, Massari M, *et al.* Post-marketing active surveillance of Guillain Barré Syndrome following COVID-19 vaccination in persons aged ≥12 years in Italy: A multi-database self-controlled case series study. *PLoS ONE*. 2024;19(1). doi:10.1371/journal.pone.0290879.
- Morciano C, Massari M, Cutillo M, Belleudi V, Trifirò G, Mores N, Spila Alegiani S, *et al.* Acute appendicitis after COVID-19 vaccines in Italy: A self-controlled case series study. *Drug Safety*. 2024;47(11):1157-1169. doi:10.1007/s40264-024-01462-0.
- Morelli S, D'Avenio G, Daniele C, Grigioni M, Giansanti D. Under the tech umbrella: Assessing the landscape of telemedicine innovations (Telemechron study). *Healthcare (Switzerland)*. 2024;12(6). doi:10.3390/healthcare12060615.
- Morelli S, Daniele C, D'Avenio G, Grigioni M, Giansanti D. Optimizing telehealth: Leveraging key performance indicators for enhanced TeleHealth and digital healthcare outcomes (Telemechron study). *Healthcare (Switzerland)*. 2024;12(13). doi:10.3390/healthcare12131319.
- Morelli S, Daniele C, D'Avenio G, Grigioni M, Giansanti D. Pioneering a framework for robust telemedicine technology assessment (Telemechron study). *Technologies*. 2024;12(3). doi:10.3390/technologies12030037.
- Moret F, Spada E, Ceccanti M, Libonati L, D'Andrea E, Villano U, Cambieri C, *et al.* Chronic inflammatory demyelinating polyneuropathy and HEV antibody status: A case-control study from Lazio, Italy. *Journal of the Neurological Sciences*. 2024;459. doi:10.1016/j.jns.2024.122959.
- Moretti S, Brambilla G, Maffucci F, Barola C, Bucaletti E, Hochscheid S, Esposito M, *et al.* Occurrence and pattern of legacy and emerging per- and Poly-FluoroAlkyl substances (PFAS) in eggs of loggerhead turtle *Caretta caretta* from western Mediterranean. *Environmental Pollution*. 2024;343. doi:10.1016/j.envpol.2023.123257.
- Morgana S, Casentini B, Tirelli V, Grasso F, Amalfitano S. Fluorescence-based detection: A review of current and emerging techniques to unveil micro/ nanoplastics in environmental samples. *TrAC - Trends in Analytical Chemistry*. 2024;172. doi:10.1016/j.trac.2024.117559.

- Mori G, Errico G, Giancristofaro S, Visentin D, Castagna A, Viel L, Lanzafame M, *et al.* When an underestimated zoonosis and antimicrobial resistance collide: *Corynebacterium ulcerans* t. *Access Microbiology*. 2024;6. doi:10.1099/acmi.0.000898.v2.
- Morisco F, Federico A, Marignani M, Lombardo FL, Cossiga V, Ranieri L, Stroffolini T, *et al.* Prediction of clinical trajectory in HCV-related ACLD after SVR: Role of liver stiffness in a 5-years prospective study. *Viruses*. 2024;16(9). doi:10.3390/v16091439.
- Moro PA, Maida F, Solimini R, Spizzichino L, Pauwels CGGM, Pieper E, Havermans A. Urgent health concerns: Clinical issues associated with accidental ingestion of new metal-blade-containing sticks for heated tobacco products. *Tobacco Prevention and Cessation*. 2024;10 July. doi:10.18332/tpc/190634.
- Morrone A, Fiorilli V, Cinti L, Roberto P, Ferri AL, Visentini M, Casato M, *et al.* Surface antigen serocleared hepatitis B virus infection increases the risk of mixed cryoglobulinemia vasculitis in male patients with chronic hepatitis C. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1411146.
- Mosbah R, Chettoum A, Haroun N, Mantovani A. Vitamin E protects against methomyl- induced alterations in biochemical and reproductive parameters in pregnant rats. *International Journal of Environmental Studies*. 2024;81(3):1149-1166. doi:10.1080/00207233.2021.1989930.
- Mosconi G, Totti V, Sella G, Roi GS, Costa AN, Bellis L, Cardillo M. Physical exercise in kidney renal recipients: Where have we come? *Kidney and Blood Pressure Research*. 2024;49(1):548-555. doi:10.1159/000539996.
- Moseley J, Leest T, Larsson K, Magrelli A, Stoyanova-Beninska V. Inherited retinal dystrophies and orphan designations in the European Union. *European Journal of Ophthalmology*. 2024;34(6):1631-1641. doi:10.1177/11206721241236214.
- Motta M, Barresi S, Pizzi S, Bifano D, Lopez Marti J, Garrido-Pontnou M, Tartaglia M, *et al.* RAF1 gene fusions are recurrent driver events in infantile fibrosarcoma-like mesenchymal tumors. *Journal of Pathology*. 2024;263(2):166-177. doi:10.1002/path.6272.
- Motta M, Flex E, Martinelli S, Tartaglia M. Molecular genetics of Noonan syndrome and other RASopathies. *The RASopathies: Genetic Syndromes of the RAS/MAPK Pathway*. 2024:263-305. doi:10.1007/978-3-031-62945-7_12.
- Mureddu GF, D'Errigo P, Rosato S, Faggiano P, Badoni G, Ceravolo R, Baglio G, *et al.* The relative impact of components of high residual risk on the long-term prognosis after AMI. *International Journal of Cardiology: Cardiovascular Risk and Prevention*. 2024;22. doi:10.1016/j.ijcrp.2024.200310.
- Musio B, Ragone R, Todisco S, Rizzuti A, Iorio E, Chirico M, Gallo V, *et al.* Non-targeted nuclear magnetic resonance analysis for food authenticity: A comparative study on tomato samples. *Molecules*. 2024;29(18). doi:10.3390/molecules29184441.
- Naghavi M, GBD 2021 Causes of Death Collaborators. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):2100-2132. doi:10.1016/S0140-6736(24)00367-2.
- Napoli N, Kauffmann EF, Ginesini M, Gianfaldoni C, Fiaschetti P, Lombardi I, Cardillo M, Vistoli F, Boggi U. Safety and safety protocols for living donor nephrectomy in Italy. *Updates in Surgery*. 2024;76(1):209-218. doi:10.1007/s13304-023-01678-2.
- Narciso L, Topini M, Ferraiuolo S, Ianiro G, Marianelli C. Effects of natural treatments on the varroa mite infestation levels and overall health of honey bee (*Apis mellifera*) colonies. *PLoS ONE*. 2024;19(5). doi:10.1371/journal.pone.0302846.
- Nardecchia F, Martinelli S, Pollini L, Leuzzi V. Reply to: Partially Levodopa-responsive Parkinsonism in a carrier of a novel pathogenic CLTC variant. *Movement Disorders Clinical Practice*. 2024;11(6):751-752. doi:10.1002/mdc3.14039.
- Naude M, van Heerden A, Reader J, van der Watt M, Niemand J, Joubert D, Birkholtz L-M, *et al.* Eliminating malaria transmission requires targeting immature and mature gametocytes through lipoidal uptake of antimalarials. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-54144-x.
- Ndawula C, Emudong P, Muwereza N, Currà C. Insights into Theileria transmission-blocking vaccines for East Coast fever control: A disease with an “outdated vaccination approach”. *Ticks and Tick-borne Diseases*. 2024;15(6). doi:10.1016/j.ttbdis.2024.102386.
- Negri M, Gona F, Din CT, Raccagni AR, Bertoni C, Moro M, Guffanti M, *et al.* Non-O1 and non-O139 *Vibrio cholerae* septicemia and cellulitis: A case report. *New Microbiologica*. 2024;47(2):190-193.

- Nemati A, Askari Badouei M, Hashemi Tabar G, Morabito S, Dadvar A. Molecular and in silico analyses for detection of Shiga toxin-producing *Escherichia coli* (STEC) and highly pathogenic enterohemorrhagic *Escherichia coli* (EHEC) using genetic markers located on plasmid, O Island 57 and O Island 71. *BMC Veterinary Research*. 2024;20(1). doi:10.1186/s12917-024-04251-0.
- Nerlander L, Champezou L, Dias JG, Aspelund G, Berlot L, Constantinou E, Mardh O, *et al*. Sharp increase in gonorrhoea notifications among young people, EU/EEA, July 2022 to June 2023. *Eurosurveillance*. 2024;29(10). doi:10.2807/1560-7917.ES.2024.29.10.2400113.
- Neumann JT, Twerenbold R, Weimann J, Ballantyne CM, Benjamin EJ, Costanzo S, Ojeda F, *et al*. Prognostic value of cardiovascular biomarkers in the population. *JAMA*. 2024;331(22):1898-1909. doi:10.1001/jama.2024.5596.
- Niarchos G, Alygizakis N, Carere M, Dulio V, Engwall M, Hyötyläinen T, Ahrens L, *et al*. Pioneering an effect-based early warning system for hazardous chemicals in the environment. *TrAC - Trends in Analytical Chemistry*. 2024;180. doi:10.1016/j.trac.2024.117901.
- Nicolanti F, Caccia B, Cartoni A, Emfietzoglou D, Faccini R, Incerti S, Mancini-Terracciano C, *et al*. Geant4-DNA development for atmospheric applications: N₂, O₂ and CO₂ models implementation. *Physica Medica*. 2024;128. doi:10.1016/j.ejmp.2024.104838.
- Nigro V, Colantonio C, Piccinini M, Buratti E, Ciciotti R, Cisbani E, Montereali RM, *et al*. PNIPAM microgel coatings of LiF crystal radiation detectors. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 2024;702. doi:10.1016/j.colsurfa.2024.135105.
- Nodari R, Arghittu M, Bailo P, Cattaneo C, Creti R, D'Aleo F, Saegeman V, Franceschetti L, Novati S, Fernández-Rodríguez A, Verzeletti A, Farina C, Bandi C, ESCMID Study Group of Forensic and Post-Mortem Microbiology (ESGFOR) and the AMCLI Forensic Microbiology Study Group (GLAMIFO). Forensic microbiology: When, where and how. *Microorganisms*. 2024;12(5). doi:10.3390/microorganisms12050988.
- Nunes B, Humphreys J, Nicolay N, Braeye T, Van Evercooren I, Holm Hansen C, Monge S, *et al*. Monovalent XBB.1.5 COVID-19 vaccine effectiveness against hospitalisations and deaths during the Omicron BA.2.86/JN.1 period among older adults in seven European countries: A VEBIS-EHR network study. *Expert Review of Vaccines*. 2024;23(1):1085-1090. doi:10.1080/14760584.2024.2428800.
- Nwanaforo E, Obasi CN, Frazzoli C, Bede-Ojimadu O, Orisakwe OE. Exposure to environmental pollutants and risk of diarrhea: A systematic review. *Environmental Health Insights*. 2024;18. doi:10.1177/11786302241304539.
- Offi M, Gabriele L, Romagnoli G, Lauretti L, Pallini R, D'Alessandris QG. The Sybil prophecy: Searching for predictors of response to bevacizumab in glioblastoma. *Neuro-Oncology*. 2024;26(8):1538-1539. doi:10.1093/neuonc/noae088.
- Okoye C, Zazzara MB, Ceolin C, Fedele G, Palmieri A, Abbatecola AM, Coin A, *et al*. Delirium incidence and predictors in SARS-CoV-2 vaccinated residents in long-term care facilities (LTCF): Insights from the GeroCovid vax study. *Journal of the American Medical Directors Association*. 2024;25(11). doi:10.1016/j.jamda.2024.105251.
- Okuyama K, Itabashi K, Nagao S, Nakamura SN, Suzuki KN, Gogami T, Zheng X, *et al*. Electroproduction of the $\Lambda/\bar{\Sigma}^0$ hyperons at $Q^2 \approx 0.5$ (GeV/c)² at forward angles. *Physical Review C*. 2024;110(2). doi:10.1103/PhysRevC.110.025203.
- Oliveira CC, Charalampous P, Delaye J, Grad DA, Kolkhir P, Mechili EA, Haagsma JA, *et al*. A systematic review of studies that estimated the burden of chronic non-communicable rare diseases using disability-adjusted life years. *Orphanet Journal of Rare Diseases*. 2024;19(1). doi:10.1186/s13023-024-03342-3.
- Onaran HO, Costa T. Why classical receptor theory, which ignores allostery, can effectively measure the strength of an allosteric effect as agonist's efficacy. *British Journal of Pharmacology*. 2024;181(12):1757-1767. doi:10.1111/bph.16327.
- Onorati F, Francica A, Demal T, Nappi F, Peterss S, Buech J, Biancari F, *et al*. Role of gender in short- and long-term outcomes after surgery for type A aortic dissection: analysis of a multicentre European registry. *European Journal of Cardio-thoracic Surgery*. 2024;66(1). doi:10.1093/ejcts/ezae242.
- Onyena AP, Bede-Ojimadu O, Abaate TJ, Amachree D, Frazzoli C, Folorunso OM, Bocca B, Orisakwe OE. Lactational exposure of human infants to metal(loid)s in Sub-Saharan Africa and Mediterranean Europe: A systematic review and meta-analysis. *Current Research in Toxicology*. 2024;7. doi:10.1016/j.crtox.2024.100201.
- Onyena AP, Folorunso OM, Nwanganga N, Udom GJ, Ekhatior OC, Frazzoli C, Ruggieri F, Bocca B, Orisakwe OE. Engaging One Health in heavy metal pollution in some selected Nigerian Niger Delta cities. A systematic review

- of pervasiveness, bioaccumulation and subduing environmental health challenges. *Biological Trace Element Research*. 2024;202(4):1356-1389. doi:10.1007/s12011-023-03762-5.
- Ornaghi S, Corsi Decenti E, Zammarchi L, Bartoloni A, Angheben A, Nava C, Donati S, *et al*. Screening of Chagas disease in pregnant women—Recommendation by the Italian National Institute of Health, 2023. *International Journal of Gynecology and Obstetrics*. 2024;167(3):1269-1271. doi:10.1002/ijgo.15812.
- Ortiz-Rivero S, Peleteiro-Vigil A, Abete L, Lozano E, Hammer HS, Giacomo SD, Briz O, *et al*. Sensitization of cholangiocarcinoma cells to chemotherapy through BCRP inhibition with β -caryophyllene oxide. *Biomedicine and Pharmacotherapy*. 2024;170. doi:10.1016/j.biopha.2023.116038.
- Ossai C, Frazzoli C, Ekhaton OC, Orisakwe OE. Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Seafood from Orashi River in Omoku, Rivers State of Nigeria and human health risk assessment. *Polycyclic Aromatic Compounds*. 2024;44(9):5811-5828. doi:10.1080/10406638.2023.2270121.
- Owliaee I, Khaledian M, Mahmoudvand S, Amini R, Abney SE, Beikpour F, Jalilian FA. Global investigation of the presence of adenovirus in different types of water resources: A systematic review. *VirusDisease*. 2024;35(1):55-65. doi:10.1007/s13337-023-00857-4.
- Pacella A, Ballirano P, Di Carlo MC, Altieri A, Paccapelo M, Skogby H, Bloise A, *et al*. Geological and mineralogical characterization of fibrous tremolite from Iacolinei quarry (Basilicata, Italy). *Environmental Geochemistry and Health*. 2024;46(11). doi:10.1007/s10653-024-02196-9.
- Pachì F, Turlà R, Franzin L, Giancotti A, Cecchetti F. Changes in the arch shape in patients treated with elastodontic devices. *European Journal of Musculoskeletal Diseases*. 2024;13(1):99-105.
- Pacifici R, Pichini S, Pellegrini M, Berretta P. Pharmacotoxicology of substances of abuse. *Clinical and Laboratory Medicine Textbook*. 2024:659-681. doi:10.1007/978-3-031-24958-7_53.
- Paciotti R, Coletti C, Berrino E, Arrighi F, Maccelli A, Lasalvia A, Carta F, *et al*. Carbon monoxide release from Aryl-Propargyl Dicobalt(0)Hexacarbonyl derivatives: A computational and experimental study. *International Journal of Molecular Sciences*. 2024;25(21). doi:10.3390/ijms252111644.
- Palermo V, Malacaria E, Semproni M, Camerini S, Casella M, Perdichizzi B, Pichierri P, *et al*. Switch-like phosphorylation of WRN integrates end-resection with RAD51 metabolism at collapsed replication forks. *Nucleic Acids Research*. 2024;52(20):12334-12350. doi:10.1093/nar/gkae807.
- Palleschi S, Silvestroni L, Rossi B, Dinarelli S, Magi M, Giacomelli L, Bettucci A. Simple and sensitive method for in vitro monitoring of red blood cell viscoelasticity by Quartz Crystal Microbalance with dissipation monitoring (QCM-D). *Biosensors and Bioelectronics: X*. 2024;21. doi:10.1016/j.biosx.2024.100554.
- Pallotta L, Pisano A, Vona R, Cappelletti M, Pignataro MG, Tattoli I, Severi C, *et al*. From diverticulosis to complicated diverticular disease: Progression of myogenic alterations and oxidative imbalance. *Neurogastroenterology and Motility*. 2024;36(8). doi:10.1111/nmo.14850.
- Pallotta N, Ribichini E, Pezzotti P, Belardi F, Ciccantelli B, Rivera M, Corazzari ES. Gastrointestinal symptoms in abused nonpatient women. *BMC Women's Health*. 2024;24(1). doi:10.1186/s12905-024-03498-x.
- Palomba E, Chiusano ML, Monticolo F, Langella MC, Sanchez M, Tirelli V, Mazzoleni S, *et al*. Extracellular Self-DNA effects on yeast cell cycle and transcriptome during batch growth. *Biomolecules*. 2024;14(6). doi:10.3390/biom14060663.
- Panusa A, Mammone FR, Rotundo P, Multari G, Palazzino G, Gallo FR. Papaya seed extract and recovery of some main constituents. *Separations*. 2024;11(9). doi:10.3390/separations11090254.
- Panusa A, Rotundo P, Sadutto D, Rodomonte A, Cirilli R. A New ultra high-performance liquid chromatography-tandem mass spectrometry method to monitor 1-Amino-4-Methyl-Piperazine and 1-Methyl-4-Nitroso-Piperazine in Rifampicin Hydrolysis: A standard addition approach to quantify Nitrosamine in Rifampicin. *Separations*. 2024;11(2). doi:10.3390/separations11020054.
- Paoletti O, Hyeraci G, Finochietti M, Celani MG, Bacigalupo I, Lombardi N, Kirchmayer U, *et al*. Pharmacological and non-pharmacological treatments in amyotrophic lateral sclerosis: An Italian real-world data study. *European Journal of Neurology*. 2024;31(12). doi:10.1111/ene.16470.
- Pappalettera C, Carrarini C, Cappa S, Caraglia N, Cotelli M, Marra C, Rossini PM, *et al*. Challenges to identifying risk versus protective factors in Alzheimer's disease. *Nature Medicine*. 2024;30(11):3094-3095. doi:10.1038/s41591-024-03158-5.
- Paracchini V, Petrillo M, Arcot Rajashekar A, Robuch P, Vincent U, Corbisier P, Marchini A, *et al*. EU surveys insights: Analytical tools, future directions, and the essential requirement for reference materials in wastewater

- monitoring of SARS-CoV-2, antimicrobial resistance and beyond. *Human Genomics*. 2024;18(1). doi:10.1186/s40246-024-00641-5.
- Paribello P, Branchi I, Viglione A, Mancini GF, Morena M, Campolongo P, Manchia M. Biomarkers of stress resilience: A review. *Neuroscience Applied*. 2024;3. doi:10.1016/j.nsa.2024.104052.
- Parolini I, Degrassi M, Spadaro F, Caponnetto F, Fecchi K, Mastantuono S, Tell G. Intraluminal vesicle trafficking is involved in the secretion of base excision repair protein APE1. *FEBS Journal*. 2024;291(13):2849-2875. doi:10.1111/febs.17088.
- Pasetto R, Marsili D. A top-down path to promote environmental justice in a contaminated area. The experience with the community of Porto Torres (Sardinia, Italy). *Epidemiologia e prevenzione*. 2024;48(2). doi:10.19191/EP24.2.A687.030.
- Pasetto R, Zona A, Marsili D, Buratti FM, Iavarone I, Soggiu ME, Testai E. Promotion of environmental public health and environmental justice in communities affected by large and long lasting industrial contamination: methods applied and lessons learned from the case study of Porto Torres (Italy). *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1408127.
- Pati I, Pisani G, Riccardo F, Venturi G, De Angelis V, Antonello A, Giulietta V, et al. denV outbreak in Italy: The impact on the national transfusion network. *Blood Transfusion*. 2024;22(4):365-366. doi:10.2450/BloodTransfus.696.
- Pedroni L, Perugini F, Dall'Asta C, Galaverna G, Buratti FM, Testai E, Dellaflora L. Computational journey to unveil organophosphorothioate pesticides' metabolism: A focus on chlorpyrifos and CYP2C19 mutational landscape. *Ecotoxicology and Environmental Safety*. 2024;288. doi:10.1016/j.ecoenv.2024.117354.
- Pellegrini L, Albert U, Carmassi C, Carrà G, Cirulli F, Dell'Osso B, Sampogna G, et al. Obsessive-compulsive symptoms in the general population under stressful conditions: Lessons learned from the COVID-19 pandemic. *Brain Sciences*. 2024;14(12). doi:10.3390/brainsci14121280.
- Pelosi E, Castelli G, Testa U. Braf-mutant melanomas: Biology and therapy. *Current Oncology*. 2024;31(12):7711-7737. doi:10.3390/curroncol31120568.
- Pepe J, Colangelo L, Pilotto R, De Martino V, Ferrara C, Scillitani A, Cipriani C, et al. Short-term effects of escalating doses of Cholecalciferol on FGF23 and 24,25(OH)₂ Vitamin D levels: A preliminary investigation. *Nutrients*. 2024;16(21). doi:10.3390/nu16213600.
- Perna A, Colaizzo E, Ladogana A, Silvestri G, Baiardi S. Creutzfeldt-Jakob disease in a man surviving COVID-19: disentangling a casual or causal association by neuropathology. *Neurological Sciences*. 2024;45(6):2419-2422. doi:10.1007/s10072-024-07486-9.
- Pessina F, Casini I, Gamberucci A, Carullo G, Signorini C, Brizzi A, Aiello F, Aloisi AM, Pieretti S. Anti-inflammatory and antinociceptive properties of the Quercetin-3-Oleate AV2, a novel FFAR1 partial agonist. *International Journal of Molecular Sciences*. 2024;25(21). doi:10.3390/ijms252111635.
- Petrelli A, Ventura M, Ciampichini R, Di Napoli A, Fano V, Napoli C, Aragona M, et al. The impact of the COVID-19 pandemic on access to mental health services and socioeconomic inequalities in Italy. *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsyt.2024.1494284.
- Petrini C, Allea E. Between social and healthcare: a necessary synergy. *Ann Ist Super Sanita*. 2024;59(4):245-246. doi:10.4415/ANN_23_04_01.
- Petrone L, Najafi-Fard S, Falasca L, Sbarra S, Teggi A, Nicastrì E, Goletti D, et al. Evaluation of the local and peripheral immune responses in patients with cystic Echinococcosis. *Pathogens*. 2024;13(6). doi:10.3390/pathogens13060477.
- Pettorosso M, Di Lorenzo G, Benatti B, d'Andrea G, Cavallotto C, Carullo R, Martinotti G, et al. Overcoming treatment-resistant depression with machine-learning based tools: A study protocol combining EEG and clinical data to personalize glutamatergic and brain stimulation interventions (SelecTool Project). *Frontiers in Psychiatry*. 2024;15. doi:10.3389/fpsyt.2024.1436006.
- Picardi A, Fonzi L, Pallagrosi M. Intersubjectivity and psychiatric diagnosis. *Minerva Psychiatry*. 2024;65(2):221-232. doi:10.23736/S2724-6612.23.02466-1.
- Piccaro G, Aquino G, Gigantino V, Tirelli V, Sanchez M, Iorio E, Palma C, et al. Mycobacterium tuberculosis antigen 85B modifies BCG-induced antituberculosis immunity and favors pathogen survival. *Journal of Leukocyte Biology*. 2024;115(6):1053-1069. doi:10.1093/jleuko/qiae014.

- Piccinini M, Nichelatti E, Esposito G, Cisbani E, Santavenere F, Anello P, Montereali RM, *et al.* Detection of fluorescent low-energy proton tracks in lithium fluoride crystals. *Radiation Measurements*. 2024;174. doi:10.1016/j.radmeas.2024.107140.
- Piccolo R, Simonetti F, Avvedimento M, Cutillo M, Canonico ME, Conti V, Esposito G, *et al.* Ticagrelor 60 vs. 90 mg in elderly ACS patients undergoing PCI: A randomized, crossover trial. *European Heart Journal - Cardiovascular Pharmacotherapy*. 2024;10(7):578-587. doi:10.1093/ehjcvp/pvae054.
- Pilotto A, Aprile PL, Veronese N, Lacorte E, Morganti W, Custodero C, Vanacore N, *et al.* The Italian guideline on comprehensive geriatric assessment (CGA) for the older persons: A collaborative work of 25 Italian Scientific Societies and the National Institute of Health. *Aging Clinical and Experimental Research*. 2024;36(1). doi:10.1007/s40520-024-02772-0.
- Pilotto A, Barbagelata M, Lacorte E, Custodero C, Veronese N, Maione V, Pettenati M, *et al.* A multicomponent personalized prevention program in the primary care setting: A randomized clinical trial in older people with noncommunicable chronic diseases (Primacare_P3 study). *Trials*. 2024;25(1). doi:10.1186/s13063-024-08413-1.
- Piperni E, Nguyen LH, Manghi P, Kim H, Pasolli E, Andreu-Sánchez S, Asnicar F, *et al.* Intestinal Blastocystis is linked to healthier diets and more favorable cardiometabolic outcomes in 56,989 individuals from 32 Countries. *Cell*. 2024;187(17):4554-4570.e18. doi:10.1016/j.cell.2024.06.018.
- Pirchio RD, Ghirini S, De Santis M, Sanseverino A, Mortali C, Vichi M, Mastrobattista L, *et al.* ViolHelp: results of a pilot study to identify potential warning signs and risk factors for self- and hetero-directed violence in the calls received by the Helplines of the Italian National Institute of Health. *Ann Ist Super Sanita*. 2024;60(2):154-165. doi:10.4415/ANN_24_02_10.
- Pirozzi N, Scrivano J, Andracchio L, Fazzari L, Napoletano A, Pirozzi R. Double guidewire technique (DGT): Optimising endovascular revision of juxta-anastomotic stenosis in AV-fistulae: A retrospective analysis. *Journal of Vascular Access*. 2024;25(1):308-312. doi:10.1177/11297298221109663.
- Pirra A, Giansanti D. Smart Tattoo Sensors 2.0: A ten-year progress report through a narrative review. *Bioengineering*. 2024;11(4). doi:10.3390/bioengineering11040376.
- Pitruzzella R, Chiodi A, Rovida R, Arcadio F, Porto G, Moretti S, Brambilla G, Zeni L, Cennamo N. An MIP-based PFAS sensor exploiting nanolayers on plastic optical fibers for ultra-wide and ultra-low detection ranges—A case study of PFAS detection in river water. *Nanomaterials*. 2024;14(21). doi:10.3390/nano14211764.
- Poggini S, Matte Bon G, Ciano Albanese N, Karpova N, Castrén E, D'Andrea I, Branchi I. Subjective experience of the environment determines serotonergic antidepressant treatment outcome in male mice. *Journal of Affective Disorders*. 2024;350:900-908. doi:10.1016/j.jad.2024.01.145.
- Ponterio E, Haas TL, De Maria R. Oncolytic virus and CAR-T cell therapy in solid tumors. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1455163.
- Popoli P, Giuliani G, Cavaliere A, Jommi C. Early access programs for medicines: A reform proposal for the Italian National Health Service. *Global and Regional Health Technology Assessment*. 2024;11(1):148-153. doi:10.33393/grhta.2024.3098.
- Potenza RL, Armida M, Popoli P. Can some anticancer drugs be repurposed to treat amyotrophic lateral sclerosis? A brief narrative review. *International Journal of Molecular Sciences*. 2024;25(3). doi:10.3390/ijms25031751.
- Poto R, Cristinziano L, Criscuolo G, Strisciuglio C, Palestra F, Lagnese G, Varricchi G, *et al.* The JAK1/JAK2 inhibitor ruxolitinib inhibits mediator release from human basophils and mast cells. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1443704.
- Pozzi R, Morelli S, Lasaponara R, Polichetti A, Bisegna F, Burattini C, Gauzzi MC. Sun exposure and Vitamin D synthesis: A first look inside the usefulness of mobile apps. *Proceedings - 24th IEEE International Conference on Environment and Electrical Engineering and 8th I and CPS Industrial and Commercial Power Systems Europe, IEEEIC/I and CPS Europe 2024*. 2024. doi:10.1109/IEEEIC/ICPSEurope61470.2024.10750949.
- Preira CMF, Pizzi E, Fratini F, Grasso F, Boccolini D, Mochi S, Currà C. A time point proteomic analysis reveals protein dynamics of Plasmodium Oocysts. *Molecular and Cellular Proteomics*. 2024;23(3). doi:10.1016/j.mcpro.2024.100736.
- Presta M, Zoratto F, Mulder D, Ottomana AM, Pisa E, Arias Vásquez A, Macrì S, *et al.* Hyperglycemia and cognitive impairments anticipate the onset of an overt type 2 diabetes-like phenotype in TALLYHO/JngJ mice. *Psychoneuroendocrinology*. 2024;167. doi:10.1016/j.psyneuen.2024.107102.

- Presti AL, Rubino S, Ibba G, Ambrosio L, Martino AD, Ferraro F, Rocca G, *et al.* An outbreak of COVID-19 after a pilgrimage to Medjugorje due to Delta sub-lineages. *Journal of Infection in Developing Countries*. 2024;18(3):332-336. doi:10.3855/jdc.18652.
- Principe R, Zagà V, Martucci P, Michele LD, Barbetta C, Serafini A, Cattaruzza MS, Giacomozzi C. Smoking cessation in the management of Chronic Obstructive Pulmonary Disease (COPD): Narrative review and recommendations. *Ann Ist Super Sanita*. 2024;60(1):14-28. doi:10.4415/ANN_24_01_04.
- Priolo V, Ippolito D, Rivas-Estanga K, De Waure C, Martínez-Orellana P. Canine leishmaniasis global prevalence over the last three decades: A meta-analysis and systematic review. *Comparative Immunology, Microbiology and Infectious Diseases*. 2024;112. doi:10.1016/j.cimid.2024.102211.
- Protschka M, Di Placido D, Moore PF, Büttner M, Alber G, Eschke M. Canine peripheral non-conventional TCR $\alpha\beta$ + CD4-CD8 α - double-negative T cells show T helper 2-like and regulatory properties. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1400550.
- Protto V, Miteva MT, Iannuzzi F, Marcocci ME, Puma DDL, Piacentini R, De Chiara G, *et al.* HSV-1 infection induces phosphorylated tau propagation among neurons via extracellular vesicles. *mBio*. 2024;15(10). doi:10.1128/mbio.01522-24.
- Prudhomme J, Delabarre A, Alten B, Berberoglu U, Berriatua E, Bongiorno G, Robert-Gangneux F, *et al.* Performance evaluation of nine reference centers and comparison of DNA extraction protocols for effective surveillance of Leishmania-infected Phlebotomine sand flies: Basis for technical recommendations. *PLoS Neglected Tropical Diseases*. 2024;18(12). doi:10.1371/journal.pntd.0012543.
- Puca P, Capobianco I, Coppola G, Di Vincenzo F, Trapani V, Petito V, Scaldaferrì F, *et al.* Cellular and molecular determinants of biologic drugs resistance and therapeutic failure in inflammatory bowel disease. *International Journal of Molecular Sciences*. 2024;25(5). doi:10.3390/ijms25052789.
- Pulido J, Barrio G, Donat M, Politi J, Moreno A, Cea-Soriano L, Regidor E, *et al.* Excess mortality during 2020 in Spain: The most affected population, age, and educational group by the COVID-19 pandemic. *Disaster Medicine and Public Health Preparedness*. 2024;18. doi:10.1017/dmp.2024.17.
- Pulido J, Donat M, Moreno A, Politi J, Cea-Soriano L, Sordo L, Regidor E, *et al.* Assessing educational disparities in COVID-19 related excess mortality in Spain: A population register-linked mortality study. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1381298.
- Pulsoni A, Ferrero S, Tosti ME, Luminari S, Dondi A, Cavallo F, Del Giudice I, *et al.* Local radiotherapy and measurable residual disease-driven immunotherapy in patients with early-stage follicular lymphoma (FIL MIRO): Final results of a prospective, multicentre, phase 2 trial. *The Lancet Haematology*. 2024;11(7):e499-e509. doi:10.1016/S2352-3026(24)00143-1.
- Pulvirenti F, Giuffrè M, Pentimalli TM, Camilli R, Milito C, Villa A, Quinti I, *et al.* Oropharyngeal microbial ecosystem perturbations influence the risk for acute respiratory infections in common variable immunodeficiency. *Frontiers in Immunology*. 2024;15. doi:10.3389/fimmu.2024.1371118.
- Puoti F, Masiero L, Testa S, Vespasiano F, Olivetti A, Fiaschetti P, Cardillo M, *et al.* Does sex matter in solid organ transplantation? Analysis of 20-year activity data from the Italian National Deceased Donor Transplant Register. *Journal of Sex- and Gender-Specific Medicine*. 2024;10(3):115-129. doi:10.1723/4343.43282.
- Pupella S. The new SoHO Regulation. What should the blood system expect? *Blood Transfusion*. 2024;22(6):461-463. doi:10.2450/BloodTransfus.889.
- Purgatorio C, Anniballi F, Scalfaro C, Serio A, Paparella A. Occurrence and molecular characterization of *Bacillus* spp. strains isolated from gnocchi ingredients and ambient gnocchi stored at different temperatures. *LWT*. 2024;192. doi:10.1016/j.lwt.2023.115703.
- Puzelli S, Facchini M, Piacentini S, Di Mario G, Colucci ME, Calzoletti L, Stefanelli P, *et al.* Characterization of an influenza B virus isolated from a fatal case of myocarditis in a pediatric patient in Italy. *Journal of Infection and Public Health*. 2024;17(3):417-420. doi:10.1016/j.jiph.2023.12.018.
- Puzzo C, Festucci F, Curcio G, Gigantesco A, Adriani W. Exploring transgenerational inheritance in epigenotypes of DAT heterozygous rats: Circadian anomalies and attentional vulnerability. *Behavioural Brain Research*. 2024;464. doi:10.1016/j.bbr.2024.114921.
- Pyka P, Haberek W, Więcek M, Szymanska E, Ali W, Cios A, Handzlik J, *et al.* First-in-class Selenium-containing potent serotonin receptor 5-HT₆ agents with a beneficial neuroprotective profile against Alzheimer's disease. *Journal of Medicinal Chemistry*. 2024;67(2):1580-1610. doi:10.1021/acs.jmedchem.3c02148.

- Quaranta MG, Cavalletto L, Russo FP, Calvaruso V, Ferrigno L, Zanetto A, Chemello L, *et al.* Reduction of the risk of hepatocellular carcinoma over time using direct-acting antivirals: A propensity score analysis of a real-life cohort (PITER HCV). *Viruses*. 2024;16(5). doi:10.3390/v16050682.
- Radocchia G, Marazzato M, Harbi KB, Capuzzo E, Pantanella F, De Giorgio R, Schippa S, *et al.* Chronic intestinal pseudo-obstruction: Associations with gut microbiota and genes expression of intestinal serotonergic pathway. *BMC Microbiology*. 2024;24(1). doi:10.1186/s12866-024-03200-z.
- Raele DA, Severini F, Toma L, Menegon M, Boccolini D, Tortorella G, Di Luca M, Cafiero MA. Anopheles sacharovi in Italy: First record of the historical malaria vector after over 50 years. *Parasites and Vectors*. 2024;17(1). doi:10.1186/s13071-024-06252-2.
- Ramani A, Pasquini G, Gerkau NJ, Jadhav V, Vinchure OS, Altinisik N, Gopalakrishnan J, *et al.* Reliability of high-quantity human brain organoids for modeling microcephaly, glioma invasion and drug screening. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-55226-6.
- Ravinder R, Solanki D, Carta C, dos Santos Vieira B, Keller J, Roos M, Castro LJ. Designing a FAIRification game for research software. *CEUR Workshop Proceedings*. 2024;3890:169-170.
- Reale E, Zare Jeddi M, Pains A, Connolly A, Duca R, Cubadda F, B Hopf N, *et al.* Human biomonitoring and toxicokinetics as key building blocks for next generation risk assessment. *Environment International*. 2024;184. doi:10.1016/j.envint.2024.108474.
- Reinikainen J, Kuulasmaa K, Oskarsson V, Amouyel P, Biasch K, Brenner H, Niiranen T, *et al.* Regional and temporal differences in the associations between cardiovascular disease and its classic risk factors: An analysis of 49 cohorts from 11 European countries. *European Journal of Preventive Cardiology*. 2024;31(5):569-577. doi:10.1093/eurjpc/zwad359.
- Remigante A, Spinelli S, Gambardella L, Bozzuto G, Vona R, Caruso D, Straface E, *et al.* Internalization of nano- and micro-plastics in human erythrocytes leads to oxidative stress and estrogen receptor-mediated cellular responses. *Free Radical Biology and Medicine*. 2024;223:1-17. doi:10.1016/j.freeradbiomed.2024.07.017.
- Remigante A, Spinelli S, Gambardella L, Straface E, Cafeo G, Russo M, Morabito R, *et al.* Anion exchanger1 (AE1/SLC4A1) function is impaired in red blood cells from prediabetic subjects: Potential benefits of finger lime (Citrus australasica, Fastrime cultivar) juice extract. *Cell Biochemistry and Function*. 2024;42(6). doi:10.1002/cbf.4105.
- Remoli G, Schilke ED, Magi A, Ancidoni A, Negro G, Da Re F, Appollonio I, *et al.* Neuropathological hints from CSF and serum biomarkers in corticobasal syndrome (CBS): A systematic review. *Neurological Research and Practice*. 2024;6(1). doi:10.1186/s42466-023-00294-0.
- Resitano M, Tucci M, Mezzi A, Kaciulis S, Matturro B, D'Ugo E, Cruz Viggi C, *et al.* Anaerobic treatment of groundwater co-contaminated by toluene and copper in a single chamber bioelectrochemical system. *Bioelectrochemistry*. 2024;158. doi:10.1016/j.bioelechem.2024.108711.
- Rey JF, Antignani S, Baumann S, Di Carlo C, Loret N, Gréau C, Bochicchio F, *et al.* Systematic review of statistical methods for the identification of buildings and areas with high radon levels. *Frontiers in Public Health*. 2024;12. doi:10.3389/fpubh.2024.1460295.
- Ria F, Delogu G, Ingrosso L, Sali M, Di Sante G. Secrets and lies of host-microbial interactions: MHC restriction and trans-regulation of T cell trafficking conceal the role of microbial agents on the edge between health and multifactorial/complex diseases. *Cellular and Molecular Life Sciences*. 2024;81(1). doi:10.1007/s00018-023-05040-y.
- Ricci A, Dugo M, Pisanu ME, De Cecco L, Raspagliesi F, Valeri B, Iorio E, *et al.* Impact of Cold Ischemia on the Stability of 1H-MRS-Detected Metabolic Profiles of Ovarian Cancer Specimens. *Journal of Proteome Research*. 2024;23(1):483-493. doi:10.1021/acs.jproteome.3c00665.
- Ricci F, Rizzo M, Mattei E, Calcagnini G, Strano S, Censi F. Post-stroke atrial fibrillation predicted by P-wave variability analysis from a single-lead ECG. *Computing in Cardiology*. 2024;51. doi:10.22489/CinC.2024.090.
- Riccomi A, Trombetta CM, Dorrucchi M, Di Placido D, Sanarico N, Farchi F, Vendetti S, *et al.* Effects of influenza vaccine on the immune responses to SARS-CoV-2 vaccination. *Vaccines*. 2024;12(4). doi:10.3390/vaccines12040425.
- Riva L. The Physician-assisted suicide pathway in Italy: Ethical assessment and safeguard approaches. *Journal of Bioethical Inquiry*. 2024;21(1):185-192. doi:10.1007/s11673-023-10302-2.

- Riva L, Petrini C. Regulation (EU) 536/2014 and the role of ethics committees: A proposal for a review system model. *BMJ Open*. 2024;14(11). doi:10.1136/bmjopen-2023-073451.
- Riva V, Villa L, Fulceri F, Arduino GM, Leonti G, Valeri G, Scattoni ML, *et al*. The teleNIDA: Early screening of Autism Spectrum Disorder through a novel Telehealth approach. *Journal of Autism and Developmental Disorders*. 2024;54(5):1680-1690. doi:10.1007/s10803-023-05927-6.
- Rizzo MI, Cajozzo M, Bucci D, Pistoia A, Palmieri A, Rajabtorik Zadeh O, Palmieri G, Spuntarelli G, Zama M. 25-year follow-up of primary tibial periosteal graft for hard palate repair in cleft lip and palate: Outcomes, concerns and controversies. *Cleft Palate Craniofacial Journal*. 2024;61(3):476-482. doi:10.1177/10556656221132043.
- Rizzo MI, Fallico N, Palmieri A, Ciofalo A, Ruoppolo G, Greco A, Zama M. Rhinomanometry evidence in children treated by Furlow's palatoplasty for velopharyngeal insufficiency correlated to cleft palate. *Giornale di Chirurgia*. 2024;44(3). doi:10.1097/IA9.0000000000000049.
- Roerink AMC, Nelissen RGHH, Holder C, Graves SE, Dunbar M, Bohm E, Pijls BG, *et al*. Sex-based differences in risk of revision for infection after hip, knee, shoulder, and ankle arthroplasty in osteoarthritis patients: A multinational registry study of 4,800,000 implants. *Acta Orthopaedica*. 2024;95:730-736. doi:10.2340/17453674.2024.42183.
- Romagnoli G, D'Alessandris QG, Capone I, Tavilla A, Canini I, Lapenta C, Gabriele L, *et al*. CD8+CD103+PD1+TIM3+ T cells in glioblastoma microenvironment correlate with prognosis. *Immunology*. 2024;171(2):198-211. doi:10.1111/imm.13710.
- Romanini E, Torre M, Zanoli G. Letter to the editor regarding "Global mapping of institutional and hospital-based (level II–IV) arthroplasty registries: A scoping review". *Eur J Orthop Surg Traumatol*. 2024 Feb; 34(2):1219–1251. doi: 10.1007/s00590-023-03691-y. Epub 2023 Sep 28. PMID: 37768398; PMCID: PMC10858160. *European Journal of Orthopaedic Surgery and Traumatology*. 2024;34(8):4149-4150. doi:10.1007/s00590-024-04099-y.
- Romeo S, Sannino A, Rosaria Scarfi M, Lagorio S, Zeni O. Genotoxicity of radiofrequency electromagnetic fields on mammalian cells in vitro: A systematic review with narrative synthesis. *Environment International*. 2024;193. doi:10.1016/j.envint.2024.109104.
- Rossi RE, La Salvia A, Modica R, Spada F. Authorship of Italian medical literature on neuroendocrine neoplasms: Any gender gap? *Journal of Endocrinological Investigation*. 2024;47(10):2587-2593. doi:10.1007/s40618-024-02347-w.
- Rossi T, Iorio E, Chirico M, Pisanu ME, Amodio N, Cantafio MEG, Pistoni M, *et al*. BET inhibitors (BETi) influence oxidative phosphorylation metabolism by affecting mitochondrial dynamics leading to alterations in apoptotic pathways in triple-negative breast cancer (TNBC) cells. *Cell Proliferation*. 2024;57(12). doi:10.1111/cpr.13730.
- Rotolo MC, Graziano S, Minuttillo A, Vari MR, Pichini S, Marchei E. OILVEQ: an Italian external quality control scheme for cannabinoids analysis in galenic preparations of cannabis oil. *Clinical Chemistry and Laboratory Medicine*. 2024;62(11):2198-2204. doi:10.1515/cclm-2024-0311.
- Rotolo MC, Graziano S, Vari MR, Minuttillo A, Di Giorgi A, Aquilina V, Pichini S, Marchei E. NPS–EQA PART II: Four years' experience in external quality assessment program in Italy for classical and new psychoactive substances analysis in hair. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;243. doi:10.1016/j.jpba.2024.116100.
- Rusotto A, Vicentini C, Ferrigno L, Crateri S, Russo R, Tosti ME, Zotti CM. Impact of the COVID-19 pandemic on the Italian national viral hepatitis surveillance: An interrupted time series analysis, 2006–2022. *Public Health*. 2024;232:14-20. doi:10.1016/j.puhe.2024.04.006.
- Sablone S, Musajo Somma C, Ruta F, Bellino M, Ciciriello T, Saracino M, Gesualdo L, *et al*. Organ procurement in forensic deaths: A retrospective analysis of the Italian context with a focus on the Puglia Region virtuous experience. *Journal of Forensic and Legal Medicine*. 2024;102. doi:10.1016/j.jflm.2024.102657.
- Sacco C, Liverani A, Venturi G, Gavaudan S, Riccardo F, Salvoni G, Valenza A, *et al*. Autochthonous dengue outbreak in Marche Region, Central Italy, August to October 2024. *Eurosurveillance*. 2024;29(47). doi:10.2807/1560-7917.ES.2024.29.47.2400713.
- Sacco C, Manica M, Marziano V, Fabiani M, Mateo-Urdiales A, Guzzetta G, Merler S, Pezzotti P. The impact of underreported infections on vaccine effectiveness estimates derived from retrospective cohort studies. *International Journal of Epidemiology*. 2024;53(3). doi:10.1093/ije/dyae077.
- Sadutto D, Picó Y. Validation of LC-MS/MS method for opioid monitoring in Valencia City wastewater: Assessment of synthetic wastewater as potential aid. *Science of the Total Environment*. 2024;946. doi:10.1016/j.scitotenv.2024.174382.

- Saha S, Buttari B, Saso L. Editorial: Modulation of oxidative stress and inflammation via the NRF2 signaling pathway. *Frontiers in Pharmacology*. 2024;15. doi:10.3389/fphar.2024.1483289.
- Salemme S, Marconi D, Pani SM, Zamboni G, Sardu C, Lazzeri G, Bellomo G, *et al.* Universal prevention of dementia in Italy: A document analysis of the 21 Italian Regional Prevention plans. *Journal of Prevention of Alzheimer's Disease*. 2024;11(6):1525-1533. doi:10.14283/jpad.2024.144.
- Salvatore D, Padoan R, Amato A, Salvatore M, Campagna G. Nutritional trends in cystic fibrosis: Insights from the Italian Cystic Fibrosis Patient Registry. *Journal of Clinical Medicine*. 2024;13(13). doi:10.3390/jcm13133652.
- Salvatore MA, Salvi S, D'Aloja P, Vergani P, Bellù R, Dani C, Albolino S, *et al.* The Italian perinatal surveillance system SPItOSS: insights from confidential enquiries. *Italian Journal of Pediatrics*. 2024;50(1). doi:10.1186/s13052-024-01811-w.
- Salvatore MA, Salvi S, Vergani P, Bellù R, Dani C, Mecacci F, Donati S, *et al.* Stillbirths: Results of a pilot population-based surveillance system in Italy (SPItOSS). *Epidemiologia e prevenzione*. 2024;48(2):140-148. doi:10.19191/EP24.2.A630.041.
- Salvestrini V, Lastrucci A, Banini M, Loi M, Carnevale MG, Olmetto E, Livi L, *et al.* Recent advances and current challenges in stereotactic body radiotherapy for ultra-central lung tumors. *Cancers*. 2024;16(24). doi:10.3390/cancers16244135.
- Samela T, Raimondi G, Cordella G, Fania L, Sampogna F, Mastroeni S, Fusari R, Antinone V, Abeni D. Syndemic and dermatology: A case study in hidradenitis suppurativa. *Journal of the American Academy of Dermatology*. 2024;90(6):1264-1266. doi:10.1016/j.jaad.2023.12.071.
- Sanchini A, Lanni A, Giannoni F, Mustazzolu A. Exploring diagnostic methods for drug-resistant tuberculosis: A comprehensive overview. *Tuberculosis*. 2024;148. doi:10.1016/j.tube.2024.102522.
- Sant M, Vener C, Lillini R, Rossi S, Bonfarnuzzo S, Marcos-Gragera R, Huws DW, *et al.* Long-term survival for lymphoid neoplasms and national health expenditure (EUROCare-6): a retrospective, population-based study. *The Lancet Oncology*. 2024;25(6):731-743. doi:10.1016/S1470-2045(24)00141-4.
- Santagata S, Rea G, Bello AM, Capiluongo A, Napolitano M, Desicato S, Scala S, *et al.* Targeting CXCR4 impaired T regulatory function through PTEN in renal cancer patients. *British Journal of Cancer*. 2024;130(12):2016-2026. doi:10.1038/s41416-024-02702-x.
- Santangelo C, Marconi M, Ruocco A, Ristori J, Bonadonna S, Pivonello R, Pierdominici M, *et al.* Dietary habits, physical activity and body mass index in transgender and gender diverse adults in Italy: A voluntary sampling observational study. *Nutrients*. 2024;16(18). doi:10.3390/nu16183139.
- Santangelo C, Scazzocchio B, Vari R, Ajmone-Cat MA, Tammaro A, Tait S, D'Archivio M, *et al.* Insights into the sex-related effects of dietary polyphenols and metabolic disruptors on inflammatory and (neuro) endocrine pathways in obesity: The HEAL project. *Nutrients*. 2024;16(21). doi:10.3390/nu16213595.
- Santilio A, Cammarata R, Girolimetti S. Laboratory performances during proficiency tests for the analysis of active substances in pesticide formulations during 2021–2023. *Accreditation and Quality Assurance*. 2024;29(5-6):359-368. doi:10.1007/s00769-024-01620-y.
- Santilli F, Fabrizi J, Santacroce C, Caissutti D, Spinello Z, Candelise N, Mattei V, *et al.* Analogies and differences between dental stem cells: Focus on secretome in combination with Scaffolds in neurological disorders. *Stem Cell Reviews and Reports*. 2024;20(1):159-174. doi:10.1007/s12015-023-10652-9.
- Santo L, Iorio L, Proietti A, Bellisario D, Quadrini F, Ioppolo P, Pecci R. Manufacturing of shape memory foams in hypergravity and simulated microgravity. *Materials Research Proceedings*. 2024;41:2455-2461. doi:10.21741/9781644903131-270.
- Santoro A, Konstantinou P, Santolamazza F, Casulli A. Cystic echinococcosis in Cyprus: Historical retrospective and finding of 2 *Echinococcus granulosus sensu lato* species. *Parasitology*. 2024;151(8):763-768. doi:10.1017/S0031182024000520.
- Santoro A, Santolamazza F, Cacciò SM, La Rosa G, Antolová D, Auer H, Casulli A, *et al.* Mitochondrial genetic diversity and phylogenetic relationships of *Echinococcus multilocularis* in Europe. *International Journal for Parasitology*. 2024;54(5):233-245. doi:10.1016/j.ijpara.2024.01.003.
- Santos JV, Padron-Monedero A, Bikbov B, Grad DA, Plass D, Mechili EA, Zumla A, *et al.* The state of health in the European Union (EU-27) in 2019: A systematic analysis for the Global Burden of Disease study 2019. *BMC Public Health*. 2024;24(1). doi:10.1186/s12889-024-18529-3.

- Sarnelli A, Guidi C, Pandola L, Contessa GM, Loi E, Bianchini D, Mezzenga E, Negrini M. An operational approach for accurate ¹⁷⁷Lu and ^{177m}Lu activity quantifications to comply with the environmental release criteria: The role of GEANT4 for efficiency curve and true coincidence summing effect estimation. *European Physical Journal Plus*. 2024;139(3). doi:10.1140/epjp/s13360-024-04875-z.
- Sarno G, Maio S, Baldacci S, Stanisci I, Angino A, Tagliaferro S, Grechi D, *et al.* Health status of Italian children living close to cultivations sprayed with pesticides. *International Journal of Tuberculosis and Lung Disease*. 2024;28(10):500-504. doi:10.5588/ijtld.24.0104.
- Sartorius V, Philibert M, Klungsoyr K, Klimont J, Szamotulska K, Drausnik Z, Ceely G, *et al.* Neonatal mortality disparities by gestational age in European Countries. *JAMA Network Open*. 2024;7(8). doi:10.1001/jamanetworkopen.2024.24226.
- Saviano A, Schettino A, Iaccarino N, Mansour AA, Begum J, Marigliano N, Maione F, *et al.* A reverse translational approach reveals the protective roles of *Mangifera indica* in inflammatory bowel disease. *Journal of Autoimmunity*. 2024;144. doi:10.1016/j.jaut.2024.103181.
- Scaravelli G, De Luca R, Spoletini R, Speciale L, Fedele F, Bolli S, Mazzola M, Bertini A, Di Monte C, Vigilano V. Medically assisted reproduction in Italy, 2020 data from the Italian Mar register. *Minerva Obstetrics and Gynecology*. 2024;76(2):118-126. doi:10.23736/s2724-606X.23.05375-7.
- Scarcelli S, Buono F, D'Alessio N, Rea S, Castaldo E, Pesce A, Veneziano V, *et al.* *Trichinella* spp. in wolves (*Canis lupus*) and red foxes (*Vulpes vulpes*) of southern Italy. *Research in Veterinary Science*. 2024;179. doi:10.1016/j.rvsc.2024.105381.
- Scarpa F, Sernicola L, Farcomeni S, Ciccozzi A, Sanna D, Casu M, Borsetti A, *et al.* Phylogenetic and evolution of the Hemagglutinin (HA) and Neuraminidase (NA) Genes of influenza A(H1N1) pdm09 viruses circulating in the 2009 and 2023 seasons in Italy. *Pathogens*. 2024;13(4). doi:10.3390/pathogens13040334.
- Schmidt J, Schutte NM, Buttigieg S, Novillo-Ortiz D, Sutherland E, Anderson M, van Kessel R, *et al.* Mapping the regulatory landscape for artificial intelligence in health within the European Union. *npj Digital Medicine*. 2024;7(1). doi:10.1038/s41746-024-01221-6.
- Schumacher AE, Kyu HH, Aali A, Abbafati C, Abbas J, Abbasgholizadeh R, GBD 2021 Demographics Collaborators. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024;403(10440):1989-2056. doi:10.1016/S0140-6736(24)00476-8.
- Sciancalepore F, Lombardi N, Valdiserra G, Bonaso M, Cappello E, Hyeraci G, Kirchmayer U, *et al.* Prevalence, incidence, and mortality of myasthenia gravis and myasthenic syndromes: A systematic review. *Neuroepidemiology*. 2024;59(5):579-592. doi:10.1159/000539577.
- Scibetta S, Miceli M, Iuliano M, Stefanuto L, Carbone E, Piscopo P, Rosa P, *et al.* In vitro evaluation of the antioxidant capacity of 3,3-disubstituted-3h-benzofuran-2-one derivatives in a cellular model of neurodegeneration. *Life*. 2024;14(4). doi:10.3390/life14040422.
- Scotti R, Casciaro B, Stringaro A, Maggi F, Colone M, Gabbianelli R. Fighting microbial infections from *Escherichia coli* O157:H7: The combined use of three essential oils of the *Cymbopogon* genus and a derivative of Esculentin-1a peptide. *Antibiotics*. 2024;13(1). doi:10.3390/antibiotics13010086.
- Scotti R, Spinozzi E, Gabbianelli R. Regulation of gene transcription in *Escherichia coli* O157:H7 in response to a natural derivative peptide of esculentin-1a used in combination with essential oils from plants of the *Cymbopogon* genus. *Ann Ist Super Sanita*. 2024;60(3):191-196. doi:10.4415/ANN_24_03_04.
- Scribano D, Cheri E, Pompilio A, Di Bonaventura G, Belli M, Cristina M, Ambrosi C, *et al.* *Acinetobacter baumannii* OmpA-like porins: Functional characterization of bacterial physiology, antibiotic-resistance, and virulence. *Communications Biology*. 2024;7(1). doi:10.1038/s42003-024-06645-0.
- Segala FV, Ichtho J, L'Episcopia M, Onapa E, De Vita E, Novara R, Di Gennaro F, *et al.* Impact of the COVID-19 pandemic on malaria in pregnancy indicators in Northern Uganda: a jointpoint regression analysis. *Pathogens and Global Health*. 2024;118(3):253-261. doi:10.1080/20477724.2023.2273023.
- Semenchuk J, Naito Y, Charman SC, Carr SB, Cheng SY, Marshall BC, Cosgriff R, *et al.* Impact of COVID-19 infection on lung function and nutritional status amongst individuals with cystic fibrosis: A global cohort study. *Journal of Cystic Fibrosis*. 2024;23(5):815-822. doi:10.1016/j.jcf.2024.07.019.
- Semeraro A, Morelli S, Di Pasquale M, Turco AC, D'Amato M, Giacomozzi C, Stacchini P, Sorbo A. Control of residues of non-authorized pharmacologically active substance in food of animal origin. Results of a proficiency

- test for determination of chloramphenicol in honey organized by the Italian National Reference Laboratory for Residues. *Journal of Food Composition and Analysis*. 2024;135. doi:10.1016/j.jfca.2024.106656.
- Serafini B, Benincasa L, Rosicarelli B, Aloisi F. EBV infected cells in the multiple sclerosis brain express PD-L1: How the virus and its niche may escape immune surveillance. *Journal of Neuroimmunology*. 2024;389. doi:10.1016/j.jneuroim.2024.578314.
- Serafino A, Krasnowska EK, Romanò S, De Gregorio A, Colone M, Dupuis ML, Fuggetta MP, *et al*. The synergistic combination of curcumin and polydatin improves temozolomide efficacy on glioblastoma cells. *International Journal of Molecular Sciences*. 2024;25(19). doi:10.3390/ijms251910572.
- Serrone PD, Buttazzoni L, Palazzino G, Nicoletti M. Smart, intelligent, and active packaging systems for shelf-life extension of foods. *Nonthermal Food Engineering Operations*. 2024;369-402. doi:10.1002/9781119776468.ch11.
- Settimo G, Avino P. State-of-art of the legislation on odour emissions with a focus on the Italian studies. *Environmental Pollution*. 2024;348. doi:10.1016/j.envpol.2024.123525.
- Settimo G, Indinnimeo L, Inglessis M, De Felice M, Morlino R, di Coste A, Avino P, *et al*. CO2 Levels in classrooms: What actions to take to improve the quality of environments and spaces. *Sustainability (Switzerland)*. 2024;16(19). doi:10.3390/su16198619.
- Severa M, Etna MP, Andreano E, Ricci D, Cairo G, Fiore S, Coccia EM, *et al*. Functional diversification of innate and inflammatory immune responses mediated by antibody fragment crystallizable activities against SARS-CoV-2. *iScience*. 2024;27(5). doi:10.1016/j.isci.2024.109703.
- Severa M, Ricci D, Etna MP, Facchini M, Puzelli S, Fedele G, Coccia EM, *et al*. A serum multi-parametric analysis identifies an early innate immune signature associated to increased vaccine-specific antibody production and seroconversion in simultaneous COVID-19 mRNA and cell-based quadrivalent influenza vaccination. *Vaccines*. 2024;12(9). doi:10.3390/vaccines12091050.
- Sgadari C, Scoppio B, Picconi O, Tripiciano A, Gaiani FM, Francavilla V, Ensoli B, *et al*. Clinical Efficacy of the HIV protease inhibitor indinavir in combination with chemotherapy for advanced classic Kaposi sarcoma treatment: A single-arm, phase II trial in the elderly. *Cancer Research Communications*. 2024;4(8):2112-2122. doi:10.1158/2767-9764.CRC-24-0102.
- Silano M, Copparoni R, Plutino G. Normative framework and public health interventions for the protection of celiac disease patients. *Pediatric and Adult Celiac Disease: A Clinically Oriented Perspective*. 2024: 283-291. doi:10.1016/B978-0-443-13359-6.00016-9.
- Sinnathamby M, Meslé M, Mook P, Pebody R, Bino S, Hasibra I, Pleshkov B, *et al*. Impact of the COVID-19 pandemic on influenza circulation during the 2020/21 and 2021/22 seasons, in Europe. *Influenza and other Respiratory Viruses*. 2024;18(5). doi: 10.1111/irv.13297.
- Solimini R, Ollila H, Gallus S, Havermans A, Talhout R, Kilibarda B, O'Donovan-Sadat F, *et al*. Preventing and countering the interference of tobacco industry: Recommendations from the Joint Action on Tobacco Control 2. *Tobacco Prevention and Cessation*. 2024;10 May. doi:10.18332/TPC/188094.
- Song F, Kovac V, Mohammadi B, Littau JL, Scharfenberg F, Matamoros Angles A, Altmeppen HC, *et al*. Cleavage site-directed antibodies reveal the prion protein in humans is shed by ADAM10 at Y226 and associates with misfolded protein deposits in neurodegenerative diseases. *Acta Neuropathologica*. 2024;148(1). doi:10.1007/s00401-024-02763-5.
- Spada M, Angelico R, Trapani S, Masiero L, Puoti F, Colledan M, Cardillo M, *et al*. Reply to: "Tailoring allocation policies and improving access to pediatric liver transplantation in Italy: Outframing and concluding". *Journal of Hepatology*. 2024;81(3):e122-e123. doi:10.1016/j.jhep.2024.05.011.
- Spada M, Angelico R, Trapani S, Masiero L, Puoti F, Colledan M, Cardillo M, *et al*. Tailoring allocation policies and improving access to paediatric liver transplantation over a 16-year period. *Journal of Hepatology*. 2024;80(3):505-514. doi:10.1016/j.jhep.2023.11.031.
- Spieß K, Petrillo M, Paracchini V, Leoni G, Lassaunière R, Polacek C, Marchini A, *et al*. Development of new RT-PCR assays for the specific detection of BA.2.86 SARS-CoV-2 and its descendent sublineages. *Science of the Total Environment*. 2024;954. doi:10.1016/j.scitotenv.2024.176365.
- Spigaglia P. Clostridioides difficile and Gut Microbiota: From colonization to infection and treatment. *Pathogens*. 2024;13(8). doi:10.3390/pathogens13080646.
- Spigaglia P, Mastrantonio P, Barbanti F. Antibiotic resistances of Clostridioides difficile. *Advances in Experimental Medicine and Biology*. 2024;1435:169-198. doi:10.1007/978-3-031-42108-2_9.

- Spijker JJA, Barlin H, Grad DA, Gu Y, Klavina A, Yaylagul NK, Kulla G, Tofan CM, *et al.* The impact of digital technology on the physical health of older workers: Protocol for a scoping review. *JMIR Research Protocols*. 2024;13. doi:10.2196/59900.
- Spinello I, Labbaye C, Saulle E. Metabolic function and therapeutic potential of CD147 for hematological malignancies: An overview. *International Journal of Molecular Sciences*. 2024;25(17). doi:10.3390/ijms25179178.
- Spinello I, Saulle E, Quaranta MT, Pelosi E, Castelli G, Cerio A, Labbaye C, *et al.* AC-73 and Syrosingopine inhibit SARS-CoV-2 entry into megakaryocytes by targeting CD147 and MCT4. *Viruses*. 2024;16(1). doi:10.3390/v16010082.
- Spini A, Pellegrini G, Ingrassiotta Y, L'Abbate L, Bellitto C, Carollo M, Trifirò G, *et al.* Switching patterns of biological drugs in patients with psoriasis and psoriatic arthritis: Insight from the VALORE database network. *Expert Opinion on Biological Therapy*. 2024;24(5):399-409. doi:10.1080/14712598.2024.2357381.
- Spoletini R, Scaravelli G, Monaco S, Renzi A, Fedele F. Psychological support for couples undergoing ART treatment: An intervention action research for health promotion in the andquot; Careandquot; Path towards parenthood. *Psicologia della Salute*. 2024;3:47-61. doi:10.3280/PDS2024-003006.
- Sprega G, Kobidze G, Lo Faro AF, Pichini S, Farkas T, Tini A, Chankvetadze B, *et al.* Optimization of enantioselective high-performance liquid chromatography-tandem mass spectrometry method for the quantitative determination of 3,4-methylenedioxy-methamphetamine (MDMA) and its phase-1 metabolites in human biological fluids. *Journal of Pharmaceutical and Biomedical Analysis*. 2024;243. doi:10.1016/j.jpba.2024.116076.
- Spugnini EP, Condello M, Crispi S, Baldi A. Electroporation in translational medicine: From veterinary experience to human oncology. *Cancers*. 2024;16(5). doi:10.3390/cancers16051067.
- Stefana A, Cena L, Trainini A, Palumbo G, Gigantesco A, Mirabella F. Screening for antenatal maternal depression: Comparative performance of the Edinburgh Postnatal Depression Scale and patient health questionnaire-9. *Ann Ist Super Sanita*. 2024;60(1):55-63. doi:10.4415/ANN_24_01_08.
- Stefana A, Cena L, Trainini A, Palumbo G, Gigantesco A, Mirabella F. The diagnostic accuracy of the Edinburgh Postnatal Depression Scale without the self-harm item: Does culture matter? *Journal of Psychiatric Research*. 2024;175:432-434. doi:10.1016/j.jpsychires.2024.05.018.
- Stefana A, Mirabella F, Gigantesco A, Camoni L. The screening accuracy of the Edinburgh Postnatal Depression Scale (EPDS) to detect perinatal depression with and without the self-harm item in pregnant and postpartum women. *Journal of Psychosomatic Obstetrics and Gynecology*. 2024;45(1). doi:10.1080/0167482X.2024.2404967.
- Stefanucci A, Marinaccio L, Pieretti S, Mancuso JA, Stine C, Streicher JM, Mollica A. Elucidation on the in vivo activity of the bivalent opioid peptide MACE2 against several types of chronic Pain. *ACS Omega*. 2024;9(45):45214-45220. doi:10.1021/acsomega.4c06449.
- Steinmetz JD, GBD 2021 Nervous System Disorders Collaborators. Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Neurology*. 2024;23(4):344-381. doi:10.1016/S1474-4422(24)00038-3.
- Stellacci E, Carter JN, Pannone L, Stevenson D, Moslehi D, Venanzi S, Martinelli S, *et al.* Immunological and hematological findings as major features in a patient with a new germline pathogenic CBL variant. *American Journal of Medical Genetics, Part A*. 2024;194(8). doi:10.1002/ajmg.a.63627.
- Stellacci E, Martinelli S, Carbone P, Demuru E, Genuardi M, Ghiorzo P, De Angelis R, *et al.* Bridging the educational gaps of health professionals in oncogenomics: Results from a pilot e-learning course. *Frontiers in Medicine*. 2024;11. doi:10.3389/fmed.2024.1422163.
- Stellacci E, Niceta M, Bruselles A, Straface E, Tatti M, Carvetta M, Cordeddu V, *et al.* Whole genome sequencing solves an atypical form of Bardet–Biedl syndrome: identification of novel pathogenic variants of BBS9. *International Journal of Molecular Sciences*. 2024;25(15). doi:10.3390/ijms25158313.
- Stendardo G, Andenna C, Fattibene P, Ferrari P, Nuccetelli C, Venoso G, Zicari C. Evaluation of RESRAD-BUILD and MicroShield codes for the simulation of small accident scenarios in nuclear medicine therapy patients' rooms. *European Physical Journal Plus*. 2024;139(4). doi:10.1140/epjp/s13360-024-05096-0.
- Stival C, Lugo A, Carreras G, Odone A, van den Brandt PA, Gorini G, Fanucchi T, *et al.* Consequences of COVID-19 pandemic on weight gain and physical activity: A prospective cohort study from Italy. *Ann Ist Super Sanita*. 2024;60(1):37-46. doi:10.4415/ANN_24_01_06.

- Stoppa G, Mensi C, Fazzo L, Minelli G, Manno V, Marinaccio A, Consonni D, Biggeri A, Catelan D. Ovarian cancer deaths attributable to asbestos exposure in Lombardy (Italy) in 2000-2018. *Occupational and Environmental Medicine*. 2024;81(7):359-365. doi:10.1136/oemed-2023-109342.
- Subissi L, Stefanelli P, Rezza G. Human mpox: Global trends, molecular epidemiology and options for vaccination. *Pathogens and Global Health*. 2024;118(1):25-32. doi:10.1080/20477724.2023.2258641.
- Suligoi B, Aiello A, Atzori L, Bordonaro P, Capra G, Caraglia A, Palamara AT, *et al*. Sexually transmitted infections: A new hub&spoke model to control the increasing trend of STIs in Italy and prevent their spread. *Epidemiologia e Prevenzione*. 2024;48(6):456-465. doi:10.19191/EP24.6.A764.136.
- Superti F, Russo R. Alpha-Lipoic acid: Biological mechanisms and health benefits. *Antioxidants*. 2024;13(10). doi:10.3390/antiox13101228.
- Tafaj B, La Maida N, Tittarelli R, Di Trana A, D'Acquarica I. New psychoactive substances toxicity: A systematic review of acute and chronic psychiatric effects. *International Journal of Molecular Sciences*. 2024;25(17). doi:10.3390/ijms25179484.
- Tagliaferro S, Maio S, Pirona F, Stanisci I, Sarno G, Silvi P, Annesi-Maesano I, *et al*. Assessing external exposome by implementing an environmental data management system using open data. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-62924-0.
- Tait S, Calura E, Baldassarre A, Masotti A, Varano B, Gessani S, Conti L, Del Cornò M. Gene and lncRNA profiling of ω 3/ ω 6 polyunsaturated fatty acid-exposed human visceral adipocytes uncovers different responses in healthy lean, obese and colorectal cancer-affected individuals. *International Journal of Molecular Sciences*. 2024;25(6). doi:10.3390/ijms25063357.
- Takuissu GR, Kenmoe S, Ebogo-Belobo JT, Kengne-Ndé C, Mbaga DS, Bowo-Ngandji A, La Rosa G. Exploring adenovirus in water environments: A systematic review and meta-analysis. *International Journal of Environmental Health Research*. 2024;34(6):2504-2516. doi:10.1080/09603123.2023.2255559.
- Tambascia G, Zambri F, Sola MV, Marocco S, Di Stefano V, Marchetti F, Giusti A. Needs, rights and perspectives in the Birth Care Pathway during COVID-19 lockdown in Italy: The BiSogni Study, an exploratory qualitative research. *BMC Public Health*. 2024;24(1). doi:10.1186/s12889-024-20941-8.
- Tartaglione AM, Camoni L, Calamandrei G, Chiarotti F, Venerosi A. The contribution of environmental pollutants to the risk of autism and other neurodevelopmental disorders: A systematic review of case-control studies. *Neuroscience and Biobehavioral Reviews*. 2024;164. doi:10.1016/j.neubiorev.2024.105815.
- Taruscio D, Cicerchia A, Ferrara V, Scaletti C, Seia C, Morricone MV. Enhancing life skills, self-esteem, and lifting of stigma: How culture and the arts can contribute to the well-being of people with rare diseases. *Integrated Science*. 2024;25:91-111. doi:10.1007/978-3-031-64288-3_5.
- Taruscio D, Mantovani A. The rare malformation holoprosencephaly: Pathogenesis, association with pregestational diabetes and the possible link with food pollutants. *Ann Ist Super Sanita*. 2024;59;4:295-303. doi:10.4415/ANN_23_04_09.
- Taruscio D, Salerno P. Newborn hearing and eye screenings: Recommendations. *Epidemiologia e Prevenzione*. 2024;48(6):466-469. doi:10.19191/EP24.6.A765.129.
- Taylor E, Artursson K, Busani L, Callegari A, Cantlay J, Caniça M, Ragione RL. Communicating and disseminating One Health: Successes of the One Health European Joint Programme. *Journal of Medical Microbiology*. 2024;73(7). doi:10.1099/jmm.0.001842.
- Tenti M, Raffaelli W, Paroli M, Gamberi G, Vincis R, Suzzi B, Fagnani C, Camoni L, Toccaceli V. An Italian survey and Focus Groups on Fibromyalgia Impairment: Impact on work and possible reasonable accommodations. *Healthcare (Switzerland)*. 2024;12(2). doi:10.3390/healthcare12020216.
- Testa U. Recent developments in molecular targeted therapies for hepatocellular carcinoma in the genomic era. *Expert Review of Molecular Diagnostics*. 2024;24(9):803-827. doi:10.1080/14737159.2024.2392278.
- Testa U, Castelli G, Pelosi E. Alk-rearranged lung adenocarcinoma: From molecular genetics to therapeutic targeting. *Tumori*. 2024;110(2):88-95. doi:10.1177/03008916231202149.
- Testa U, Castelli G, Pelosi E. CAR-T Cells in the treatment of nervous system tumors. *Cancers*. 2024;16(16). doi:10.3390/cancers16162913.
- Testa U, Castelli G, Pelosi E. Membrane antigen targeting in acute myeloid leukemia using antibodies or CAR-T Cells. *Cancers*. 2024;16(21). doi:10.3390/cancers16213627.

- Testa U, Chiusolo P, Pelosi E, Castelli G, Leone G. CAR-T cell therapy for T-Cell malignancies. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.031.
- Testa U, D'Alò F, Pelosi E, Castelli G, Leone G. CAR-T cell therapy for follicular lymphomas. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.012.
- Testa U, Leone G, Cappellini MD. Therapeutic gene editing for hemoglobinopathies. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.068.
- Testa U, Leone G, Pelosi E, Castelli G, De Stefano V. Is it possible to predict tumor progression through genomic characterization of monoclonal gammopathy and smoldering multiple myeloma? *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.044.
- Testa U, Pelosi E. Function of PML-RARA in acute promyelocytic leukemia. *Advances in Experimental Medicine and Biology*. 2024;1459:321-339. doi:10.1007/978-3-031-62731-6_14.
- Testa U, Pelosi E, Castelli G. Chimeric Antigen Receptor T Cells for the treatment of multiple myeloma. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.077.
- Testa U, Pelosi E, Castelli G, Chiusolo P. Blinatumomab in the therapy of acute B-Lymphoid Leukemia. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.070.
- Testa U, Pelosi E, Castelli G, Fresa A, Laurenti L. CAR-T cells in chronic lymphocytic leukemia. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.045.
- Testa U, Sica S, Pelosi E, Castelli G, Leone G. CAR-T Cell therapy in B-Cell acute lymphoblastic leukemia. *Mediterranean Journal of Hematology and Infectious Diseases*. 2024;16(1). doi:10.4084/MJHID.2024.010.
- Testai E. Understanding cyanobacteria and cyanotoxins: Implications for human exposure, toxicological risk assessment and management. *Advances in Oceanography and Limnology*. 2024;15(2). doi:10.4081/aiol.2024.12665.
- Thomadakis C, Gountas I, Duffell E, Gountas K, Bluemel B, Seyler T, Nikolopoulos G, *et al*. Prevalence of chronic HCV infection in EU/EEA countries in 2019 using multiparameter evidence synthesis. *The Lancet Regional Health – Europe*. 2024;36. doi:10.1016/j.lanepe.2023.100792.
- Tibaldi E, Gnudi F, Mandrioli D, Bruno C, Zona A, Fazzo L, Comba P. Pathological characterization of lung fibrosis in Sprague–Dawley rats treated with fluoro-edenite fibres by intrapleural injection. *Journal of Occupational Medicine and Toxicology*. 2024;19(1). doi:10.1186/s12995-024-00434-5.
- Tijhuis MJ, van der Wilk EA, Dankova S, Fehr A, Ghirini S, Gissler M, Haneef R, Achterberg PW, *et al*. Towards a sustainable set of European Core Health Indicators (ECHI). *Journal of Health Monitoring*. 2024;9(4). doi:10.25646/12918.
- Tlais AZA, Polo A, Granchäll L, Filannino P, Vincentini O, De Battisti F, Di Cagno R, Gobetti M. Sugar lowering in fermented apple-pear juice orchestrates a promising metabolic answer in the gut microbiome and intestinal integrity. *Current Research in Food Science*. 2024;9. doi:10.1016/j.crf.2024.100833.
- Tolonen H. Population Health Information Research Infrastructure and the Health Information Portal. European Health Information Portal: A one-stop shop for health information. *European Journal of Public Health*. 2024;34:i29-i34. doi:10.1093/eurpub/ckad172.
- Toma L, Castro FL, Severini F, Pozzi R, Casale F, Menegon M, Iarossi S, *et al*. Evaluation of four common electronic mosquito repellents on *Aedes albopictus* and *Culex pipiens*. *Ann Ist Super Sanita*. 2024;60(4):258-263. doi:10.4415/ANN_24_04_04.
- Tomeh R, Nemati A, Tabar GH, Tozzoli R, Badouei A. Antimicrobial resistance, β -lactamase genotypes, and plasmid replicon types of Shiga toxin-producing *Escherichia coli* isolated from different animal hosts. *Journal of Applied Microbiology*. 2024;135(4). doi:10.1093/jambio/lxae059.
- Trama A, EUROCARE-6 Working Group. Survival of European adolescents and young adults diagnosed with cancer in 2010–2014. *European Journal of Cancer*. 2024;202. doi:10.1016/j.ejca.2024.113558.
- Tramuto F, Marotta C, Stefanelli P, Cernigliaro A, Maida CM, Silenzi A, Zappia M, *et al*. SARS-CoV-2 genomic surveillance of migrants arriving to Europe through the Mediterranean routes. *Journal of Global Health*. 2024;14. doi:10.7189/JOGH.14.05017.
- Travaglione S, Carlini F, Maroccia Z, Fabbri A. Special issue “Bacterial Toxins and Cancer”. *International Journal of Molecular Sciences*. 2024;25(4). doi:10.3390/ijms25042128.

- Trecca A, Borghini R, Medicina D, Del Sordo R, Mandelli G, Bella A, Galloro G, Fu K-I, Villanacci V. Endoscopic features with associated histological and molecular alterations in serrated polyps with dysplasia: Retrospective analysis of a tertiary case series. *Digestive and Liver Disease*. 2024;56(4):687-694. doi:10.1016/j.dld.2023.09.007.
- Trigilio A, De Gregorio A, De Simoni M, Franciosini G, Garbini M, Magi M, Sarti A, *et al*. Test beam results of a fluorescence-based monitor for ultra-high dose rates. *Journal of Instrumentation*. 2024;19(2). doi:10.1088/1748-0221/19/02/C02043.
- Tsuchiya M, Giuliani A, Brazhnik P. From cell states to cell fates: Control of cell state transitions. *Methods in Molecular Biology*. 2024;2745:137-162. doi:10.1007/978-1-0716-3577-3_9.
- Unfer V, Kandaraki E, Pkhaladze L, Roseff S, Vazquez-Levin MH, Laganà AS, Nestler J, *et al*. When one size does not fit all: Reconsidering PCOS etiology, diagnosis, clinical subgroups, and subgroup-specific treatments. *Endocrine and Metabolic Science*. 2024;14. doi:10.1016/j.endmts.2024.100159.
- Unim B, Zile-Velika I, Pavlovska Z, Lapao L, Peyroteo M, Misins J, Palmieri L, *et al*. The role of digital tools and emerging devices in COVID-19 contact tracing during the first 18 months of the pandemic: A systematic review. *European Journal of Public Health*. 2024;34(1):i11-i28. doi:10.1093/eurpub/ckae039.
- Urru SAM, Mayer F, Spila Alegiani S, Paoloni F, Guella A, Murru R, Campomori A, *et al*. The importance of real-world data in evaluating the safety of biosimilars: A descriptive study of clinical practice in an oncohematological Italian population. *Cancers*. 2024;16(19). doi:10.3390/cancers16193419.
- Valenti M, Mazza M, Arduino GM, Keller R, Le Donne I, Masedu F, Perdichizzi PA, *et al*. Diagnostic assessment, therapeutic care and education pathways in persons with autism spectrum disorder in transition from childhood to adulthood: The Italian National Ev.A longitudinal project. *Ann Ist Super Sanita*. 2024;59(4):304-312. doi:10.4415/ANN_23_04_10.
- Valerio A, Rotondi D, da Cas R, Pricci F, Traversa G. Somatropin therapy in Italy during 2019-2022: Prevalence and incidence rates estimated by data from the national register and regional health sources. *Recenti Progressi in Medicina*. 2024;115(11):511-516. doi:10.1701/4365.43585.
- Vallarino S, Alexeev M, Antonioli P, Barion L, Castro M, Cavallina M, Volpe G, *et al*. Prototype of a dual-radiator RICH detector for the Electron-Ion Collider. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. 2024;1058. doi:10.1016/j.nima.2023.168834.
- Valletta M, Vetrano DL, Rizzuto D, Winblad B, Canevelli M, Andersson S, Grande G, *et al*. Blood biomarkers of Alzheimer's disease in the community: Variation by chronic diseases and inflammatory status. *Alzheimer's and Dementia*. 2024;20(6):4115-4125. doi:10.1002/alz.13860.
- van den Akker T, D'Souza R, Tura AK, Nair M, Engjom H, Knight M, Donati S. Prioritising actions to address stagnating maternal mortality rates globally. *The Lancet*. 2024;403(10425):417-419. doi:10.1016/S0140-6736(23)02290-0.
- van Nieuwkerk AC, Aarts HM, Hemelrijk KI, Carrillo CU, Tchétché D, de Brito FS, Delewi R, *et al*. Cerebrovascular events in patients undergoing transfemoral transcatheter aortic valve implantation: A pooled patient-level study. *Journal of the American Heart Association*. 2024;13(17). doi:10.1161/JAHA.123.032901.
- Vandenbergh G, Vierin A, Bloemenkamp K, Berlage S, Colmorn L, Deneux-Tharaux C, Roelens K, *et al*. Author reply. *BJOG: An International Journal of Obstetrics and Gynaecology*. 2024;131(2):236-237. doi:10.1111/1471-0528.17662.
- Vanni I, Romolo N. Disentangling brain PrPC proteoforms and their roles in physiology and disease. *Neural Regeneration Research*. 2024;19(5):963-965. doi:10.4103/1673-5374.385302.
- Varalda GM, Zellmer S, Tietz T. Risk assessment of food contact materials. *EFSA Journal*. 2024;22(1). doi:10.2903/j.efsa.2024.e221107.
- Vassilopoulou E, Comotti A, Douladiris N, Konstantinou G, Zuberbier T, Alberti I, Milani GP, *et al*. A systematic review and meta-analysis of nutritional and dietary interventions in randomized controlled trials for skin symptoms in children with atopic dermatitis and without food allergy: An EAACI task force report. *Allergy: European Journal of Allergy and Clinical Immunology*. 2024;79(7):1708-1724. doi:10.1111/all.16160.
- Vecchiato M, Duregon F, Zanardo E, Baiocco V, Quinto G, Livio A, Battista F, *et al*. Tailored exercise with telehealth monitoring improves adherence and global health in kidney transplant recipients. *Frontiers in Sports and Active Living*. 2024;6. doi:10.3389/fspor.2024.1436742.

- Veneri C, Brandtner D, Mancini P, Bonanno Ferraro G, Iaconelli M, Del Giudice C, La Rosa G, *et al.* Detection and full genomic sequencing of rare hepatitis E virus genotype 4d in Italian wastewater, undetected by clinical surveillance. *Science of the Total Environment*. 2024;913. doi:10.1016/j.scitotenv.2023.169698.
- Veneri C, Brandtner D, Mancini P, Bonanno Ferraro G, Iaconelli M, Suffredini E, La Rosa G, *et al.* Tracking the spread of the BA.2.86 lineage in Italy through wastewater analysis. *Food and Environmental Virology*. 2024;16(4):449-457. doi:10.1007/s12560-024-09607-1.
- Venezia A, Jones H-F, Hohenschurz-Schmidt D, Mancini M, Howard M, Makovac E. Investigating the effects of artificial baroreflex stimulation on pain perception: A comparative study in no-pain and chronic low back pain individuals. *Journal of Physiology*. 2024;602(24):6941-6957. doi:10.1113/JP286375.
- Venneri M, Vezzi V, Di Mise A, Ranieri M, Centrone M, Tamma G, Nejsum LN, Valenti G. Novel signalling pathways in nephrogenic syndrome of inappropriate antidiuresis: Functional implication of site-specific AQP2 phosphorylation. *Journal of Physiology*. 2024;602(13):3169-3189. doi:10.1113/JP284039.
- Venosa M, Calvisi V, Iademaro G, Romanini E, Ciminello E, Cerciello S, Logroscino G. Evaluation of the quality of ChatGPT's responses to top 20 questions about robotic hip and knee arthroplasty: Findings, perspectives and critical remarks on healthcare education. *Prosthesis*. 2024;6(4):913-922. doi:10.3390/prosthesis6040066.
- Ventola E, Lovari S, Farneti S, Finazzi G, Bilei S, Owczarek S, Delibato E. Molecular characterization of *Yersinia enterocolitica* strains to evaluate virulence associated genes. *Ann Ist Super Sanita*. 2024;59(4):280-285. doi:10.4415/ANN_23_04_07.
- Veroni C, Olla S, Brignone MS, Siguri C, Formato A, Marra M, Agresti C, *et al.* The antioxidant drug Edaravone binds to the Aryl Hydrocarbon Receptor (AHR) and promotes the downstream signaling pathway activation. *Biomolecules*. 2024;14(4). doi:10.3390/biom14040443.
- Vicentini C, Bussolino R, Gastaldo C, Castagnotto M, D'Ancona F, Zotti CM. Level of implementation of multimodal strategies for infection prevention and control interventions and prevalence of healthcare-associated infections in Northern Italy. *Antimicrobial Resistance and Infection Control*. 2024;13(1). doi:10.1186/s13756-024-01398-1.
- Vicentini C, Rusotto A, Bussolino R, Castagnotto M, Gastaldo C, Bresciano L, Zotti CM, *et al.* Impact of COVID-19 on healthcare-associated infections and antimicrobial use in Italy, 2022. *Journal of Hospital Infection*. 2024;149:14-21. doi:10.1016/j.jhin.2024.04.002.
- Vici A, Castelli G, Francescangeli F, Cerio A, Pelosi E, Screnci M, Zeuner A, *et al.* Network analysis of miRNA and Cytokine landscape in human hematopoiesis. *International Journal of Molecular Sciences*. 2024;25(22). doi:10.3390/ijms252212305.
- Videtta G, Colli C, Squarcina L, Fagnani C, Medda E, Brambilla P, Delvecchio G. Heritability of white matter in twins: A diffusion neuroimaging review. *Physics of Life Reviews*. 2024;50:126-136. doi:10.1016/j.plrev.2024.07.003.
- Vieiros M, Mirahi A, Villarreal M, Ramos-Triguero A, Fernández-Rubal I, Andreu-Fernández V, Marchei E, *et al.* Prevalence of psychoactive substance use during pregnancy in Argentine women: A pilot study testing maternal hair. *Therapeutic Drug Monitoring*. 2024;46(4):530-536. doi:10.1097/FTD.0000000000001218.
- Villani V, Frank CN, Cravedi P, Hou X, Bin S, Kamitakahara A, Perin L, *et al.* A kidney-specific fasting-mimicking diet induces podocyte reprogramming and restores renal function in glomerulopathy. *Science Translational Medicine*. 2024;16(771). doi:10.1126/scitranslmed.adl5514.
- Vinci GV, Mattia M. Rosetta stone for the population dynamics of spiking neuron networks. *Physical Review E*. 2024;110(3). doi:10.1103/PhysRevE.110.034303.
- Virgili G, Capocaccia R, Botta L, Bennett D, Hadjistilianou T, Innos K, Gatta G, *et al.* Survival and health care burden of children with retinoblastoma in Europe. *JAMA Ophthalmology*. 2024;142(11). doi:10.1001/jamaophthalmol.2024.4140.
- Virgillito C, Longo E, De Marco CM, Serini P, Zucchelli MV, Montarsi F, Caputo B, *et al.* Involving citizen scientists in monitoring arthropod vectors of human and zoonotic diseases: The case of Mosquito Alert in Italy. *Science of the Total Environment*. 2024;948. doi:10.1016/j.scitotenv.2024.174847.
- Virtuoso S, Raggi C, Maugliani A, Baldi F, Gentili D, Narciso L. Toxicological effects of naturally occurring endocrine disruptors on various human health targets: A rapid review. *Toxics*. 2024;12(4). doi:10.3390/toxics12040256.
- Vitale A. Frans de Waal, the last revolutionary. *Neuroscience and Biobehavioral Reviews*. 2024;162. doi:10.1016/j.neubiorev.2024.105698.
- Vitale A, Calleri M, Caloni F, Failla CM, Granata P, Gribaldo L, De Angelis I, *et al.* 3 Days for 3Rs 2023: Refinement, reduction, replacement. *Altex*. 2024;41(2):329-330. doi:10.14573/altex.2402121.

- Vitale A, Trapani S, Russo FP, Miele L, Svegliati Baroni G, Marchesini G, Cillo U, *et al.* Waiting list mortality and 5-year transplant survival benefit of patients with MASLD: An Italian liver transplant registry study. *JHEP Reports*. 2024;6(9). doi:10.1016/j.jhepr.2024.101147.
- Vitale S, Calapà F, Colonna F, Luongo F, Biffoni M, De Maria R, Fiori ME. Advancements in 3D in vitro models for colorectal cancer. *Advanced Science*. 2024;11(32). doi:10.1002/advs.202405084.
- Vitiello A, Blasi F, Sabbatucci M, Zovi A, Miele F, Ponzo A, Langella R, Boccellino M. The impact of antimicrobial resistance in cystic fibrosis. *Journal of Clinical Medicine*. 2024;13(6). doi:10.3390/jcm13061711.
- Vitiello A, Ferrara F, Boccellino M, Ponzo A, Sabbatucci M, Zovi A. Antimicrobial resistance in gonorrhea. *Microbial Drug Resistance*. 2024;30(7):297-303. doi:10.1089/mdr.2023.0259.
- Vitiello A, Rezza G, Silenzi A, Salzano A, Alise M, Boccellino MR, Sabbatucci M, *et al.* Therapeutic strategies to combat increasing rates of multidrug resistant pathogens. *Pharmaceutical Research*. 2024;41(8):1557-1571. doi:10.1007/s11095-024-03756-5.
- Vitiello A, Sabbatucci M, Ponzo A, Salzano A, Zovi A. A short update on the use of monoclonal antibodies in COVID-19. *AAPS Journal*. 2024;26(2). doi:10.1208/s12248-024-00904-y.
- Vitiello A, Sabbatucci M, Salzano A, Zovi A. The importance of antibiotic treatment duration in antimicrobial resistance. *European Journal of Clinical Microbiology and Infectious Diseases*. 2024;43(8):1673-1675. doi:10.1007/s10096-024-04867-y.
- Vitiello A, Sabbatucci M, Sorrentino R, Zovi A. The potential role of artificial intelligence in countering antimicrobial resistance. *Ethics, Medicine and Public Health*. 2024;32. doi:10.1016/j.jemep.2024.100995.
- Vitiello A, Sabbatucci M, Zovi A. Antimicrobial resistance: strategies to counter it and Italian actions. *Ethics, Medicine and Public Health*. 2024;32. doi:10.1016/j.jemep.2024.101019.
- Vitiello A, Sabbatucci M, Zovi A, Salzano A, Ponzo A, Boccellino M. Advances in therapeutic strategies for the management of *Clostridioides difficile* infection. *Journal of Clinical Medicine*. 2024;13(5). doi:10.3390/jcm13051331.
- Vitrano A, Di Giorgi A, Abbate V, Basile G, La Maida N, Pichini S, Di Trana A. Evaluation of short-term stability of different Nitazenes psychoactive opioids in dried blood spots by liquid chromatography-high-resolution mass spectrometry. *International Journal of Molecular Sciences*. 2024;25(22). doi:10.3390/ijms252212332.
- Vivarelli C, Censi F, Calcagnini G, Falsaperla R, Mattei E. Risk Assessment for workers with wearable medical devices exposed to electromagnetic fields. *Health Physics*. 2024;127(2):269-275. doi:10.1097/HP.0000000000001798.
- Vivarelli C, Censi F, Calcagnini G, Freschi F, Giaccone L, Canova A, Mattei E. Electromagnetic immunity of pacemakers and implantable defibrillators to wireless power transfer systems for automotive: A provocative study. *IEEE Transactions on Electromagnetic Compatibility*. 2024;66(1):97-107. doi:10.1109/TEM.2023.3338453.
- Vivarelli C, Mattei E, Censi F, Calcagnini G, Freschi F, Giaccone L, Canova A. Numerical evaluation of the voltage induced on pacemakers and implantable defibrillators by wireless power transfer systems for automotive. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*. 2024. doi:10.1109/EMBC53108.2024.10781703.
- Vivarelli C, Mattei E, Mancini M, Calcagnini G. MR-conditional lower body negative pressure chamber: Impact of subject position on autonomic response. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS*. 2024. doi:10.1109/EMBC53108.2024.10782345.
- von Hunolstein C, Schofield T, Sloots A, Gairola S, Riyanti I, Resnawati E, Viviani L, *et al.* Potency testing of whole-cell pertussis-containing vaccines: Results of multilaboratory assessment of the pertussis serological potency test. *WHO Drug Information*. 2024;38(4):980-1009.
- Voulgaropoulou SD, Bastiaanssen TFS, Alves ND, Viglione A, Bordes J, Jurek B, Paribello P, Sep MSC. Editorial: An interdisciplinary perspective on resilience - A special section in neuroscience applied. *Neuroscience Applied*. 2024;3. doi:10.1016/j.nsa.2024.104044.
- Wang D, Jiang P, Yang X, Zhang J, Chen T, Hu M, Zhu G, *et al.* Novel strategy to quantify the viability of oocysts of *Cryptosporidium parvum* and *C. hominis*, a risk factor of the waterborne protozoan pathogens of public health concern. *Water Research*. 2024;258. doi:10.1016/j.watres.2024.121788.
- Wang D, Shi M, Hu H, Ma Y, Peng D, Zhang J, Fauci AJ, Ji Z. Clinical research report on traditional Chinese patent medicines and traditional Chinese classic famous prescriptions (2022). *Acupuncture and Herbal Medicine*. 2024;4(3):306-319. doi:10.1097/HM9.0000000000000122.

- Wang H, Marucci G, Munke A, Hassan MM, Lalle M, Okamoto K. High-resolution comparative atomic structures of two Giardavirus prototypes infecting *G. duodenalis* parasite. *PLoS Pathogens*. 2024;20(4). doi:10.1371/journal.ppat.1012140.
- Wang S, Casey E, Sordillo J, Aguilar-Lacasaña S, Berstein FM, Biedrzycki RJ, Hivert M-F, *et al*. Cesarean delivery and blood DNA methylation at birth and childhood: Meta-analysis in the pregnancy and childhood epigenetics consortium. *Science Advances*. 2024;10(48). doi:10.1126/sciadv.adr2084.
- Welsh JA, Goberdhan DCI, O'Driscoll L, Buzas EI, Blenkiron C, Bussolati B, Cai H, Keulers TG, *et al*. Minimal information for studies of extracellular vesicles (MISEV2023): From basic to advanced approaches. *Journal of Extracellular Vesicles*. 2024;13(2). doi:10.1002/jev2.12404.
- Willis CRG, Calvaruso M, Angeloni D, Baatout S, Benchoua A, Bereiter-Hahn J, Szewczyk NJ, *et al*. How to obtain an integrated picture of the molecular networks involved in adaptation to microgravity in different biological systems? *npj Microgravity*. 2024;10(1). doi:10.1038/s41526-024-00395-3.
- Wood KA, Tong RS, Motta M, Cordeddu V, Scimone ER, Bush SJ, Goriely A, *et al*. SMAD4 mutations causing Myhre syndrome are under positive selection in the male germline. *American Journal of Human Genetics*. 2024;111(9):1953-1969. doi:10.1016/j.ajhg.2024.07.006.
- Xie T, Danieli-Mackay A, Buccarelli M, Barbieri M, Papadionysiou I, D'Alessandris QG, Papantonis A, *et al*. Pervasive structural heterogeneity rewires glioblastoma chromosomes to sustain patient-specific transcriptional programs. *Nature Communications*. 2024;15(1). doi:10.1038/s41467-024-48053-2.
- Xu J, Costanzo M, Avanzino L, Martino D, Salehi P, Standal S, Konczak J, *et al*. Vibro-tactile stimulation of the neck reduces pain in people with cervical dystonia: A proof-of-concept study. *Neurological Sciences*. 2024;45(10):4847-4856. doi:10.1007/s10072-024-07561-1.
- Yaylim İ, Aru M, Farooqi AA, Hakan MT, Buttari B, Arese M, Saso L. Regulation of Nrf2/Keap1 signaling pathway in cancer drug resistance by galectin-1: Cellular and molecular implications. *Cancer Drug Resistance*. 2024;7. doi:10.20517/cdr.2023.79.
- Yu Y, Gola M, Settimo G, Buffoli M, Capolongo S. Feasibility and affordability of low-cost air sensors with internet of things for indoor air quality monitoring in residential buildings: Systematic review on sensor information and residential applications, with experience-based discussions. *Atmosphere*. 2024;15(10). doi:10.3390/atmos15101170.
- Yu Y, Gola M, Settimo G, Capolongo S. A systematic review of low-cost sensors with the Internet of Things application: are they feasible for long-term indoor air quality monitoring in residential buildings? *18th Conference of the International Society of Indoor Air Quality and Climate, INDOOR AIR 2024 - Conference Program and Proceedings*. 2024.
- Zamagni G, Forni S, Iavicoli I, Guicciardi S, Buonsenso D, Ferrara P, Monasta L, *et al*. Estimates of antibiotic resistance in Italy and Western Europe in 2019: a MICROBE-based comparative analysis. *Epidemiologia e prevenzione*. 2024;48(1):48-59. doi:10.19191/EP24.1.A648.020.
- Zanotta N, Magni E, De Seta F, Petix V, Sossi K, Colli C, Comar M, *et al*. Sexually transmitted infections in Italian young and adult people: A worrying positive trend hidden by COVID-19 epidemic. *Microorganisms*. 2024;12(8). doi:10.3390/microorganisms12081600.
- Zarcone D, Cerruti G, Tenca C, Arancia G, Malorni W, Losi F, Grossi CE. Human NK cell adhesion molecules (CAMs). *NK Cell Mediated Cytotoxicity: Receptors, Signaling, and Mechanisms*. 2024:77-83. doi:10.1201/9781003574729-7.
- Zarrilli B, Bonanni R, Belfiore M, Severino M, Cariati I, Fioravanti R, D'Arcangelo G, *et al*. Molecular mechanisms at the basis of the protective effect exerted by EPPS on neurodegeneration induced by prefibrillar amyloid oligomers. *Scientific Reports*. 2024;14(1). doi:10.1038/s41598-024-77859-9.
- Zecchin M, Ciminello E, Mari V, Proclemer A, D'Onofrio A, Zanotto G, Torre M, *et al*. A global analysis of implants and replacements of pacemakers and cardioverter-defibrillators before, during, and after the COVID-19 pandemic in Italy. *Internal and Emergency Medicine*. 2024;19(1):107-114. doi:10.1007/s11739-023-03450-1.
- Zeduri M, Campagni C, Carreras G, Gallus S, Lugo A, Stival C, Cresci D, *et al*. Changes in the use of nicotine-containing products during and after the COVID-19 pandemic in a representative sample of the Italian adult population. *Ann Ist Super Sanita*. 2024;60(3):184-190. doi:10.4415/ANN_24_03_03.
- Zerbato V, Di Bella S, Pol R, Luzzati R, Sanson G, Ambretti S, Principe L, *et al*. Human *Campylobacter* spp. infections in Italy. *European Journal of Clinical Microbiology and Infectious Diseases*. 2024;43(5):895-904. doi:10.1007/s10096-024-04803-0.

- Zerr I, Ladogana A, Mead S, Hermann P, Forloni G, Appleby BS. Creutzfeldt–Jakob disease and other prion diseases. *Nature Reviews Disease Primers*. 2024;10(1). doi:10.1038/s41572-024-00497-y.
- Zhou B, NCD Risk Factor Collaboration (NCD-RisC). General and abdominal adiposity and hypertension in eight world regions: A pooled analysis of 837 population-based studies with 7·5 million participants. *The Lancet*. 2024;404(10455):851-863. doi:10.1016/S0140-6736(24)01405-3.
- Ziccardi S, Tamanti A, Ruggieri C, Guandalini M, Marastoni D, Camera V, Calabrese M, *et al.* CSF Parvalbumin levels at multiple sclerosis diagnosis predict future worse cognition, physical disability, fatigue, and gray matter damage. *Neurology: Neuroimmunology and NeuroInflammation*. 2024;11(6). doi:10.1212/NXI.0000000000200301.
- Zona A, Bruno C, Cernigliaro A, De Santis M, Scondotto S, Fazzo L. Mortality in an Italian cohort of former asbestos cement workers. *Ann Ist Super Sanita*. 2024;60(2):118-125. doi:10.4415/ANN_24_02_06.
- Zovi A, Cifani C, Confalonieri C, Lasala R, Sabbatucci M, Vitiello A, Vittori S. Dietary management and access to treatment for patients with glucose deficiency syndrome type 1: An overview review with focus on the European regulatory framework. *European Journal of Clinical Nutrition*. 2024;78(12):1058-1063. doi:10.1038/s41430-024-01490-0.

ANNO 2025

- Aarts HM, van Nieuwkerk AC, Hemelrijk KI, Salgado Fernandez J, Tchétché D, de Brito FS, Delewi R, *et al.* Surgical bailout in patients undergoing transfemoral transcatheter aortic valve replacement: Incidence, trends, and clinical outcomes. *JACC: Cardiovascular Interventions*. 2025;18(1):89-99. doi:10.1016/j.jcin.2024.09.050.
- Abate F, Di Biasio F, Marchese R, Markushi TB, Ciammola A, Ticozzi N, De Togni L, *et al.* Clinical trial eligibility in PSP: Population representativeness and potential criteria adjustment based on PSP-NET findings. *Parkinsonism and Related Disorders*. 2025;131. doi:10.1016/j.parkreldis.2024.107226.
- Abdulai PM, Bede-Ojimadu O, Onyena AP, Frazzoli C, Mogborukor NA, Ekhaton OC, Orisakwe OE, *et al.* Public health effects of polycyclic aromatic hydrocarbons exposure through air, water, soil, and food in Ghana: Possible economic burden. *Environmental Health Insights*. 2025;19. doi:10.1177/11786302251343767.
- Abdulai PM, Ossai C, Ezejiofor AN, Frazzoli C, Rovira J, Ekhaton OC, Firemping CK, Orisakwe OE. Health risk assessment of arsenic and metals (Cd, Cu, Fe, Ni, and Pb) consumed in meat singed with different fuel types from some selected cities in Ghana. *Discover Food*. 2025;5(1). doi:10.1007/s44187-025-00516-1.
- Abdulai PM, Ossai C, Ezejiofor AN, Frazzoli C, Rovira J, Ekhaton OC, Firemping CK, Orisakwe OE. Polycyclic aromatic hydrocarbons burden of meats singed with different fuel sources from abattoirs in Ghana and associated cancer risk assessment. *Environmental Health Insights*. 2025;19. doi:10.1177/11786302241310842.
- Acampora A, Angelici L, Cacciani L, Cascini S, Canevelli M, Bellomo G, Bargagli AM, *et al.* Mortality in migrants with dementia living in Lazio, Italy: A 5-year cohort study. *Journal of Alzheimer's Disease*. 2025;108(3):1212-1221. doi:10.1177/13872877251387134.
- Acchioni M, Acchioni C, Hiscott J, Sgarbanti M. Corrigendum to "Origin and function of anti-interferon type I viral proteins" [Virology 605 (2025) 110456 1-12](S0042682225000686)(10.1016/j.virol.2025.110456). *Virology*. 2025;606. doi:10.1016/j.virol.2025.110479.
- Acchioni M, Acchioni C, Hiscott J, Sgarbanti M. Origin and function of anti-interferon type I viral proteins. *Virology*. 2025;605. doi:10.1016/j.virol.2025.110456.
- Acosta-Jamett G, Tamarozzi F, Castro N, Santivanez SJ, Laurente RE, Mazzi C, Alvarez-Rojas CA, Casulli A. Community risk of environmental-borne cystic echinococcosis transmission in South America: Results from the multistep cross-sectional and case-control PERITAS study. *PLOS Neglected Tropical Diseases*. 2025;2025. doi:10.1371/journal.pntd.0013382.
- Acquavia MA, Gubitosa J, Rizzi V, Cosma P, Gaeta C, Iannece P, Bianco G, *et al.* Green synthesis of gold nanoparticles from pomegranate juice ascertained by a combined approach based on MALDI FT-ICR MS and LC-ESI-MS/MS. *Food Chemistry*. 2025;476. doi:10.1016/j.foodchem.2025.143427.
- Agostini V, Masiello F, Vaglio S, Veropalumbo E, La Rocca U, Pupella S, De Angelis V. A Survey on the implementation of Patient Blood Management programs in Italy. *Blood transfusion = Trasfusione del sangue*. 2025;23(3):223-231. doi:10.2450/BloodTransfus.724.
- Akhoundi M, Maroli M, Gradoni L, Izri A, Dedet J-P, Votýpka J, Depaquit J, *et al.* A pictorial identification key for Mediterranean and Middle Eastern Phlebotomus sand flies. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-024-77815-7.
- Akinkpelumi VK, Onyena AP, Abdulai PM, Ossai CM, Frazzoli C, Orisakwe OE. Seasonality and ecological risks of polycyclic aromatic hydrocarbons PAHS in environmental media and food crops of Ibaa, Niger Delta, Nigeria. *Environmental Sciences Europe*. 2025;37(1). doi:10.1186/s12302-025-01266-8.
- Akinkpelumi VK, Ossai CM, Abdulai PM, Rovira J, Frazzoli C, Orisakwe OE. Seasonal variability of soil physicochemical properties, potentially toxic elements, and PAHs in crude oil-impacted environments: Chemometric analysis and health risk assessment. *Environments – MDPI*. 2025;12(10). doi:10.3390/environments12100363.
- Akinkpelumi V, Ezejiofor A, Abdulai P, Rovira J, Frazzoli C, Orisakwe O. Seasonal variations of physicochemical parameters, arsenic, heavy metals, and PAHs in groundwater and surface water in crude oil contaminated community of Niger Delta, Nigeria: A comparative chemometric and human health risk assessment analyses. *Water Environment Research*. 2025;97(12). doi:10.1002/wer.70220.

- Akinpelumi VK, Ossai CM, Abdulai PM, Onyena AP, Nwanaforo E, Obasi CN, Frazzoli C, Orisakwe OE. Human health risk assessment of arsenic and heavy metals in seafood harvested from crude oil impacted community in Niger Delta, Nigeria. *Thalassas*. 2025;41(3). doi:10.1007/s41208-025-00927-y.
- Alegre-Cortés J, Mattia M, Sáez M, Reig R. Global and local nature of cortical slow waves. *iScience*. 2025;28(9). doi:10.1016/j.isci.2025.113213.
- Aliche KA, Umeoguaju FU, Ikewuchi C, Diorgu FC, Ajao O, Frazzoli C, Orisakwe OE. Paternal lead exposure and pregnancy outcomes: A systematic review and meta-analysis. *Environmental Health Insights*. 2025;19. doi:10.1177/11786302251327535.
- Aloisi V, Ceretti E, Zani D, Epicoco I, Viola GCV, Marullo M, Montano L, *et al*. Ambient air pollutants and sperm quality in healthy Italian young men: A multicenter prospective cohort study with repeated measures. *Environmental Research*. 2025;287. doi:10.1016/j.envres.2025.123108.
- Altomare M, Spota A, Cioffi SPB, Gianola S, Castellini G, Napoletano A, Chiara O, *et al*. Does damage control surgery for abdominal trauma have a real impact on survival benefit in major trauma patients? A systematic review of literature with meta-analysis. *European Journal of Trauma and Emergency Surgery*. 2025;51(1). doi:10.1007/s00068-025-02874-y.
- Amaro F, Siniscalchi E, Varalda GM, Azzinnari E, Pinto J, de Pinho PG, Iorio E, Marcon F. In vitro metabolomics approaches to decipher the biochemical and cellular response to genotoxic compounds. *EFSA Journal*. 2025;23(1). doi:10.2903/j.efsa.2025.e231110.
- Ambra R, Mastroeni S, Manca S, Mannooranparampil TJ, Virgili F, Marzani B, Pinto D, Fortes C. Genetic variants and lifestyle factors in androgenetic alopecia patients: A case-control study of single nucleotide polymorphisms and their contribution to baldness risk. *Nutrients*. 2025;17(2). doi:10.3390/nu17020299.
- Ambrosini E, Lanciotti A, Brignone MS. Calcium-sensitive protein MLC1 as a possible modulator of the astrocyte functional state. *Neural Regeneration Research*. 2025;20(7):2008-2010. doi:10.4103/NRR.NRR-D-24-00471.
- Ambrosone A, Cometa MF. Hospital Exemption in Italy: technical-scientific and regulatory aspects in comparison with Europe. *Cytotherapy*. 2025;27(10):1251-1261. doi:10.1016/j.jcyt.2025.05.013.
- Amicarella SE. From modern science to open science, publishing in the scientific field: Copyright, creative commons and... beyond. *Recenti Progressi in Medicina*. 2025;116(2):69-76. doi:10.1701/4450.44437.
- Ammendola R, Biagioni A, Chiarini C, Ciardiello A, Cretaro P, Frezza O, Vicini P, *et al*. APEIRON: A framework for the development of smart TDAQ systems. *EPJ Web of Conferences*. 2025;319. doi:10.1051/epjconf/202531912013.
- Andreoli C, Dusinska M, Bossa C, Battistelli CL, Silva MJ, Louro H. Regulatory practices on the genotoxicity testing of nanomaterials and outlook for the future. *Regulatory Toxicology and Pharmacology*. 2025;162. doi:10.1016/j.yrtph.2025.105881.
- Angelico R, Trapani S, Manzia TM, Lenci I, Grossi P, Ricci A, Angelico M, *et al*. Liver transplantation for hepatitis D virus/hepatitis B virus coinfection in Italy: An intention-to-treat analysis of long-term outcomes. *American Journal of Transplantation*. 2025;25(7):1502-1514. doi:10.1016/j.ajt.2025.03.003.
- Anniballi F, Purgatorio C, Serio A, Scalfaro C, Taglieri S, Paparella A. Gene expression dynamics in *Bacillus cereus* and *Bacillus subtilis* treated with *Thymus vulgaris* and *Origanum vulgare* subsp. *hirtum* essential oils. *Frontiers in Microbiology*. 2025;16. doi:10.3389/fmicb.2025.1643608.
- Anselmo A, Rizzo F, Gervasi E, Corrent L, Ciammaruconi A, Fillo S, Ciervo A, *et al*. *Tropheryma whipplei* and *Giardia intestinalis* co-infection: Metagenomic analysis during infection and the recovery follow-up. *Infectious Disease Reports*. 2025;17(3). doi:10.3390/idr17030062.
- Antenzio ML, Marzi D, Sette C, Massimi L, Zara A, Veschetti E, Brunetti P, *et al*. Optimizing the growth conditions of the fern *Pteris vittata* maximizes its ability to phytoextract arsenic from drinking water in multiple cycles. *Environmental Technology and Innovation*. 2025;40. doi:10.1016/j.eti.2025.104629.
- Anticoli S, Capanna S, Volpin A, Melis P, Ortona E, Vonesch N, Ruggieri A, *et al*. Sex differences in response to HBV vaccination in a cohort of health care workers. *Vaccine: X*. 2025;22. doi:10.1016/j.jvaxc.2024.100605.
- Anticoli S, Dorrucci M, Iessi E, Zaffina S, Carsetti R, Vonesch N, Tomao P, Ruggieri A. Profile of selected MicroRNAs as markers of sex-specific anti-S/RBD response to COVID-19 mRNA vaccine in health care workers. *International Journal of Molecular Sciences*. 2025;26(15). doi:10.3390/ijms26157636.

- Antonucci C, Gambardella AR, Tirelli V, Mattei F, Schiavoni G. Assessment of in vitro interactions between eosinophils and cancer cells by imaging-enhanced flow cytometry and time lapse microscopy. *Methods in Cell Biology*. 2025;199:235-259. doi:10.1016/bs.mcb.2025.02.002.
- Apollonio A, Ciucci D, Contessa GM, Donatiello S, Polito C, Altini C, Cannatà V, *et al.* Monte Carlo embryo absorbed dose in caregivers assisting pediatric patients undergoing 18F-FDG PET torso examination. *European Physical Journal Plus*. 2025;140(12). doi:10.1140/epjp/s13360-025-07087-1.
- Aprato A, Dalla Vecchia G, Baldini A, Ferro S, Lusso A, Torre M, Massè A. Revisions arthroplasty trends in the second largest Italian region. *Minerva Orthopedics*. 2025;76(1):71-79. doi:10.23736/S2784-8469.25.04482-7.
- Aquilina V, Busardò FP, Costa JL, Pichini S. Artificial intelligence as a linguistic aid: A call for fairness in scientific publishing. *Journal of Analytical Toxicology*. 2025;49(9):734-735. doi:10.1093/jat/bkaf092.
- Arce P, Archer JW, Arsini L, Bagulya A, Bolst D, Brown JMC, Wright DH, *et al.* Results of a Geant4 benchmarking study for bio-medical applications, performed with the G4-Med system. *Medical Physics*. 2025;52(5):2707-2761. doi:10.1002/mp.17678.
- Arciprete F, Velardi V, Di Virgilio A, Verachi P, Carta C, Pozzi G, Zingariello M, *et al.* Genetic deletion of P-selectin prevents fibrosis development by inhibiting the neutrophil megakaryocyte emperipolesis in the Gata1low mouse model for myelofibrosis. *European Journal of Histochemistry*. 2025;69(4). doi:10.4081/ejh.2025.4427.
- Arciprete F, Velardi V, Verachi P, Carta C, Di Virgilio A, Roberti V, Vivacqua G, Rana R, Zingariello M. The hematopoietic stem cells supportive megakaryocytes as shapers of the bone marrow niche. *European Journal of Histochemistry*. 2025;69(4). doi:10.4081/ejh.2025.4424.
- Armocida B, Klepp K-I, Onder G, Louise Farrington J, Granlund L, Takki M, Rakovac I, *et al.* Advancing Europe's non-communicable diseases agenda through cross-national collaboration: Translating WHO-Europe findings into actionable strategies. *The Lancet Regional Health – Europe*. 2025;55. doi:10.1016/j.lanepe.2025.101361.
- Arnaud J, Weykamp C, Wenzel R, Patriarca M, González-Estecha M, Janssen L, Fofou-Caillierez MB, Thelen M, *et al.* Analytical performance specifications for trace elements in biological fluids derived from six countries federated external quality assessment schemes over 10 years. *Clinical Chemistry and Laboratory Medicine*. 2025;63(2):300-310. doi:10.1515/ccim-2024-0551.
- Arnold N, Goßling A, Weimann J, Bay B, Zeller T, Ferrario MM, Koenig W, *et al.* Occurrence of coronary events in the absence of traditional risk factors: Understanding residual risk. *Atherosclerosis*. 2025;409. doi:10.1016/j.atherosclerosis.2025.120475.
- Arsini L, Humphreys J, White C, Mentzel F, Paino J, Bolst D, Terracciano CM, *et al.* Comparison of deep learning models for fast and accurate dose map prediction in microbeam radiation therapy. *Physica Medica*. 2025;136. doi:10.1016/j.ejmp.2025.105012.
- Assary E, Coleman JRI, Hemani G, van de Weijer MP, Howe LJ, Palviainen T, Keers R, *et al.* Genetics of monozygotic twins reveals the impact of environmental sensitivity on psychiatric and neurodevelopmental phenotypes. *Nature Human Behaviour*. 2025;9(8):1683-1696. doi:10.1038/s41562-025-02193-7.
- Asta F, Minardi V, Contoli B, Possenti V, Casigliani V, Masocco M. Did the pandemic change lifestyle behaviours in Italy? An interrupted time series analysis on the four main NCDs behavioural risk factors from 2008 to 2023. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-025-22062-2.
- Asta F, Minardi V, Contoli B, Possenti V, Casigliani V, Masocco M. Erratum: Publisher correction to: Did the pandemic change lifestyle behaviours in Italy? An interrupted time series analysis on the four main NCDs behavioural risk factors from 2008 to 2023 (BMC public health (2025) 25 1 DOI: 10.1186/s12889-025-22062-2.). *BMC public health*. 2025;25(1). doi:10.1186/s12889-025-22147-y.
- Astolfi S, Buiarelli F, Debegnach F, De Santis B, Di Filippo P, Pomata D, Riccardi C, Simonetti G. Comparison of capillary electrophoresis and HPLC-based methods in the monitoring of moniliformin in maize. *Foods*. 2025;14(15). doi:10.3390/foods14152623.
- Aureli F, Gaudiano MC, Raimondo M, Maccelli A, Di Giorgio D, Gramazio M, Borioni A, Bartolomei M. Quality assessment of “naturally occurring” high-percentage L-dopa commercial products proposed as dietary supplements on the Internet: from labeling to analytical findings. *Frontiers in Chemistry*. 2025;13. doi:10.3389/fchem.2025.1597784.
- Aureli V, Nardi A, Palmieri N, Peluso D, Rossi L. When knowledge is not enough: Understanding the barriers to sustainable food choices in Italy. *International Journal of Food Sciences and Nutrition*. 2025;76(5):560-570. doi:10.1080/09637486.2025.2515109.

- Aurigemma C, Trani C, D'Errigo P, Barbanti M, Biancari F, Tarantini G, Rosato S, *et al.* Long-term clinical impact of paravalvular leak following transcatheter aortic valve implantation. *Journal of Clinical Medicine*. 2025;14(2). doi:10.3390/jcm14020605.
- Auvray F, Gigliucci F, Michelacci V, Scavia G, Cavalié L, Cointe A, Oswald E, *et al.* Humans as a potential reservoir for the emerging ST301 Shiga toxin-producing *Escherichia coli* clones of serotype O80:H2? *Clinical Microbiology and Infection*. 2025;31(9):1590-1594. doi:10.1016/j.cmi.2025.05.018.
- Avanzino L, Xu J, Martino D, Conte A, Standal S, Salehi P, Konczak J, *et al.* Vibro-tactile stimulation of the neck induces head righting in people with cervical dystonia. *Parkinsonism and Related Disorders*. 2025;132. doi:10.1016/j.parkreldis.2025.107263.
- Ayhan N, Baronti C, Thrion L, Bongiorno G, Maia C, Charrel RN, Kasap OE, *et al.* External quality assessment for molecular detection of sand fly-borne phleboviruses circulating in the Mediterranean Basin. *Parasites and Vectors*. 2025;18(1). doi:10.1186/s13071-025-06785-0.
- Baldelli R, Franco M, Renzelli V, De Fata R, Visca P, Macciomei MC, Rindi G, *et al.* Neuroendocrine neoplasms of the breast: A multicenter retrospective Italian study. *Minerva Endocrinology*. 2025;50(4):408-414. doi:10.23736/S2724-6507.24.04200-3.
- Baldovino S, Sciascia S, Carta C, Salvatore M, Cellai LL, Ferrari G, Taruscio D, *et al.* A global survey about undiagnosed rare diseases: Perspectives, challenges, and solutions. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1510818.
- Balech B, Lo Presti A, Telegrafo C, Maisto L, Giombini E, Di Martino A, Cerbaro I, *et al.* Investigating the evolutionary dynamics and mutational pattern of SARS-CoV-2 spike gene on selected SARS-CoV-2 variants. *PLOS ONE*. 2025;20(10). doi:10.1371/journal.pone.0333093.
- Balić D, Marucci G, Krajina M, Benić M, Mihaljević Ž, Andreanszky T, Škrivanko M, *et al.* Is golden jackal (*Canis aureus*) the most important indicator species of *Trichinella* infection in Croatia? *Veterinary Parasitology*. 2025;333. doi:10.1016/j.vetpar.2024.110239.
- Ballato M, Germanà E, Ricciardi G, Giordano WG, Tralongo P, Buccarelli M, Martini M, *et al.* Understanding neovascularization in glioblastoma: Insights from the current literature. *International Journal of Molecular Sciences*. 2025;26(6). doi:10.3390/ijms26062763.
- Barbaro A. Sharing research data. *Recenti Progressi in Medicina*. 2025;116(2):77-82. doi:10.1701/4450.44438.
- Barbaro A, Barbaro MC, Napolitani F. No fees, no barriers—but what standards? Considerations on the DIAMAS diamond OA standard applied to a public health journal. *Publications*. 2025;13(4). doi:10.3390/publications13040053.
- Barberi L, Porcu C, Boccia C, Cosentino M, Nicoletti C, Peruzzi B, Musarò A, *et al.* Circulating extracellular vesicles in alcoholic liver disease affect skeletal muscle homeostasis and differentiation. *Journal of Cachexia, Sarcopenia and Muscle*. 2025;16(1). doi:10.1002/jcsm.13675.
- Barbieri G, Gigliucci F, Palma S, Minelli F, Chiani P, Marra M, Morabito S, *et al.* Pathogenic *Escherichia coli* Virulome in top soil improvers and irrigation waters devoted to leafy vegetable production: Hazard assessment from a case study in Italy. *Food Safety and Health*. 2025;3(3):442-454. doi:10.1002/fsh3.70009.
- Barbieri G, Stefano A, Pietrantonio A, Fratini F, Cavallero S, Tozzoli R, Michelacci V, *et al.* Characterization of the small RNAs carried by outer membrane vesicles produced by hlyF-positive Shiga toxin-producing *Escherichia coli*. *Frontiers in Cellular and Infection Microbiology*. 2025;15. doi:10.3389/fcimb.2025.1621341.
- Barbiero A, Aiello A, Ciccone N, Pollini S, Malentacchi F, Colao MG, Zammarchi L, *et al.* Molecular assays on cutaneous swabs as an effective, non-invasive diagnostic technique for cutaneous leishmaniasis: Results from a retrospective study conducted in Italy. *Tropical Medicine and Infectious Disease*. 2025;10(6). doi:10.3390/tropicalmed10060158.
- Barbina D, Breda J, Mazzaccara A, Di Pucchio A, Arzilli G, Fasano C, Brusaferrò S, *et al.* Competency-based and problem-based learning methodologies: The WHO and ISS European Public Health Leadership Course. *European Journal of Public Health*. 2025;35(2):ii21-ii28. doi:10.1093/eurpub/ckae178.
- Barchitta M, Maugeri A, Campisi E, Di Liberto E, Favara G, Magnano San Lio R, D'Ancona F, Agodi A. Implementation of infection prevention and control strategies in Italian intensive care units: Results from the SPIN-UTI network. *Antimicrobial Resistance and Infection Control*. 2025;14(1). doi:10.1186/s13756-025-01663-x.
- Baroncelli S, Galluzzo CM, Orlando S, Luhanga R, Mphwere R, Kavalo T, Giuliano M, *et al.* Low levels of pertussis- and measles-specific IgG antibodies in 6-week-old HIV-exposed and -unexposed Malawian infants: Implications

- for vaccination strategies and role of long term HIV therapy. *Journal of Tropical Pediatrics*. 2025;71(2). doi:10.1093/tropej/fmaf013.
- Barrios M, Deconinck E, Vanhee C, Lamme EK, Hart-Bakker I, Syversen PV, Miquel M, *et al*. SARMs, Metabolic modulators and growth hormone secretagogues in suspected illegal medicines, bought as sport performance enhancers: A retro- and prospective study within the GEON. *Drug Testing and Analysis*. 2025;17(10):2078-2085. doi:10.1002/dta.3918.
- Bashir MBA, Milani GP, De Cosmi V, Mazzocchi A, Zhang G, Basna R, Nwaru BI, *et al*. Computational phenotyping of obstructive airway diseases: A systematic review. *Journal of Asthma and Allergy*. 2025;18:113-160. doi:10.2147/JAA.S463572.
- Battistelli CL, Bossa C. Development, use, and validation of (Q)SARs for predicting genotoxicity and carcinogenicity: Experiences from Italian National Institute of Health activities. *Methods in Molecular Biology*. 2025;2834:231-247. doi:10.1007/978-1-0716-4003-6_11.
- Battisti D, Mannelli C. Who decides who goes first? Taking democracy seriously in micro-allocative healthcare decisions. *Medicine, Health Care and Philosophy*. 2025;28(2):327-337. doi:10.1007/s11019-025-10263-w.
- Battistini B, Lulli D, Bocca B, Carbone ML, Ramondino C, Caimi S, Failla CM, *et al*. Tattoo ink metal nanoparticles: Assessment of toxicity in vitro and with a novel human ex vivo model. *Nanomaterials*. 2025;15;4. doi:10.3390/nano15040270.
- Beath A, Roth N, Jansen T, Holden L, Čavoški A, Di Consiglio E, Wilks MF, *et al*. New approach methodologies in human health risk assessment across European regulatory frameworks: Status quo, barriers and drivers for regulatory acceptance and use. *Environment International*. 2025;196. doi:10.1016/j.envint.2025.109279.
- Beaudart C, Cella D, Fielding RA, Rolland Y, Vellas B, Canevelli M. Patient-reported outcomes in sarcopenia: An ICFSR task force report. *Journal of Frailty and Aging*. 2025;14(1). doi:10.1016/j.tjfa.2024.100010.
- Becchetti C, Trapani S, Masiero L, Testa S, D'Arcangelo F, Lapenna L, Burra P, *et al*. Sex-based disparities in liver transplantation: Evidence from a nationwide Italian cohort. *JHEP Reports*. 2025;7(6). doi:10.1016/j.jhepr.2025.101387.
- Becchimanzi A, De Leva G, Mattosovich R, Camerini S, Casella M, Jesu G, Pennacchio F, *et al*. Deformed wing virus coopts the host arginine kinase to enhance its fitness in honey bees (*Apis mellifera*). *BMC Biology*. 2025;23(1). doi:10.1186/s12915-025-02117-x.
- Bédard S, Valošek J, Oliva V, Weber II KA, Cohen-Adad J. Rootlets-based registration to the PAM50 spinal cord template. *Imaging Neuroscience*. 2025;3. doi:10.1162/IMAG.a.123.
- Bede-Ojimadu O, Frazzoli C, Orish CN, Orish FC, Bocca B, Battistini B, Orisakwe OE, *et al*. Exposure to environmental (chemical and biological) hazards and children undernutrition: A scoping review. *Environmental Research*. 2025;286. doi:10.1016/j.envres.2025.122815.
- Behr A-C, Fæste CK, Azqueta A, Tavares AM, Spyropoulou A, Solhaug A, Dietrich J, *et al*. Hazard characterization of the mycotoxins enniatins and beauvericin to identify data gaps and improve risk assessment for human health. *Archives of Toxicology*. 2025;99(5):1791-1841. doi:10.1007/s00204-025-03988-3.
- Belfiore M, Visentin S, Ambrosini E. Glial ion channels in myelin pathophysiology: Insights from leukodystrophies. *Life*. 2025;15(12). doi:10.3390/life15121922.
- Bellino S. Cancer treatment for older adults: Development, optimization, and personalized anti-cancer therapy. *Journal of Geriatric Oncology*. 2025;16(8). doi:10.1016/j.jgo.2025.102341.
- Bellino S, La Salvia A. Conditional marketing authorisation of therapeutic medicines for solid tumours in the European Union: Methodological and clinical challenges. *Expert Opinion on Pharmacotherapy*. 2025;26(9):999-1004. doi:10.1080/14656566.2025.2504699.
- Bellino S, La Salvia A. Methodological challenges and clinical perspectives in evaluating new treatments for ultra rare cancers. *Current Medical Research and Opinion*. 2025;41(2):369-373. doi:10.1080/03007995.2025.2470735.
- Bellino S, Lucente D, La Salvia A. Drug repurposing of new treatments for neuroendocrine tumors. *Cancers*. 2025;17(15). doi:10.3390/cancers17152488.
- Bellitto C, Ingrassiotta Y, Soardo F, Spini A, L'Abbate L, Pellegrini G, Trifirò G, *et al*. Trend in the use of biological drugs in pediatric patients with immune-mediated inflammatory diseases: Insight from the large-scale Italian VALORE project. *Pharmacological Research*. 2025;218. doi:10.1016/j.phrs.2025.107843.

- Bennett JC, Deloria Knoll M, Kagucia EW, Garcia Quesada M, Zeger SL, Hetrich MK, Hanquet G, *et al.* Global impact of ten-valent and 13-valent pneumococcal conjugate vaccines on invasive pneumococcal disease in all ages (the PSERENADE project): A global surveillance analysis. *The Lancet Infectious Diseases*. 2025;25(4):457-470. doi:10.1016/S1473-3099(24)00665-0.
- Benoni R, Sartorello A, Malesani C, Cardoso H, Chaguruca I, Matope MDS, Putoto G, Giaquinto C, Gatta M. How social-relational context impacts the mental health of adolescent and young adults living with and without HIV in Mozambique: A social network analysis study. *Journal of Epidemiology and Global Health*. 2025;15(1). doi:10.1007/s44197-025-00417-7.
- Benoni R, Sartorello A, Paiola E, Berti L, Sorina M, Varischi G, Moretti F, *et al.* Exploring socio-ecological context and mental health of Ukrainian refugees in Italy through eco-map: A mixed-methods study. *Journal of Migration and Health*. 2025;12. doi:10.1016/j.jmh.2025.100351.
- Berardinelli D, Kutzler J, Taoussi O, Zaami S, Pichini S, Basile G, Carlier J, *et al.* Dipyanone, a new methadone-like synthetic opioid: In vitro and in vivo human metabolism and pharmacological profiling. *Archives of Toxicology*. 2025;99:6:2339-2353. doi:10.1007/s00204-025-04023-1.
- Bernardini I, Severini F, Menegon M, Mangiapelo C, Bianchi R, Bongiorno G, Di Luca M, Boccolini D. New record of *Anopheles superpictus* (Diptera: Culicidae) in central Italy (Tuscany): Resting adults and evidence of natural breeding sites. *Parasites and Vectors*. 2025;18(1). doi:10.1186/s13071-025-06960-3.
- Bernasconi A, Toss A, Zattarin E, Mousavi SM, Blum M, Kuehni CE, Katalinic A, Trallero J, Rapiti E, Dal Maso L, Botta L, Rossi S, Peccatori F, Trama A, EURO CARE-6 Working Group. Prognosis of Breast Cancer in European female adolescents and young adults (AYAs): EURO CARE-6 retrospective cohort results. *Breast*. 2025;82. doi:10.1016/j.breast.2025.104472.
- Berry A, Luciano M, Cirulli F, Fiorillo A. The future of diagnosis in mental health: Promises and challenges of biomarkers to identify reliable and highly predictive biosignatures of affective disorders. *European Psychiatry*. 2025;68(1). doi:10.1192/j.eurpsy.2025.15.
- Bettocchi S, Comotti A, Elli M, De Cosmi V, Berti C, Alberti I, Paolo Milani G, *et al.* Probiotics and fever duration in children with upper respiratory tract infections a randomized clinical trial. *JAMA Network Open*. 2025;8(3). doi:10.1001/jamanetworkopen.2025.0669.
- Bettocchi S, D'Oria V, De Cosmi V, Scaglioni S, Agostoni C, Paglia L, Berti C, *et al.* Preschool children's eating habits and parental nutritional status. *Nutrients*. 2025;17(3). doi:10.3390/nu17030575.
- Biancari F, Mäkilä T, Rosato S, Juvonen T, Mariscalco G, El-Dean Z, Di Perna D, *et al.* Carotid artery dissection and neurological complications after surgery for type 1 aortic dissection. *Open Heart*. 2025;12(1). doi:10.1136/openhrt-2024-002882.
- Bianchi I, El Hadri H, Geiss O, Cheyns K, Mast J, Ferraris F, Barrero-Moreno J, *et al.* A screening method for detection of TiO₂ in food based on Raman spectroscopy and its applicability in a regulatory context. *Food Control*. 2025;168. doi:10.1016/j.foodcont.2024.110868.
- Bianco L, Bianco V, Laurendi G, Oliva S, Aromatario M, Pizzardi A, Camponi C, Napoli C. Humanitarian corridors from war zones for vulnerable people and those under international protection: An example of safe migratory flow management in Italy. *Healthcare (Switzerland)*. 2025;13(13). doi:10.3390/healthcare13131561.
- Biedermann A, Laurimäe T, Anijalg L, Kamenetzky L, Soriano SV, Pierangeli N, Saarma U, *et al.* Zoonotic *Echinococcus granulosus* sensu lato genotypes G6 and G7: new insights from the global mitogenome analysis. *International Journal for Parasitology*. 2025;55(11):569-579. doi:10.1016/j.ijpara.2025.04.014.
- Binda B, Picchi G, Bruni R, Di Gasbarro A, Madonna E, Villano U, Spada E, *et al.* The prevalence, risk factors, and outcomes of Hepatitis E virus infection in solid organ transplant recipients in a highly endemic area of Italy. *Viruses*. 2025;17(4). doi:10.3390/v17040502.
- Bisconti M, Martucci P, Minutillo A, Modoni AP, Giacobbe R, Rotolo MC, De Palma A, *et al.* Does Cannabis smoke cause interstitial lung disease? *Journal of Clinical Medicine*. 2025;14(14). doi:10.3390/jcm14145054.
- Blakowski I, Zendrikov D, Indiveri G, Capone C. Neuromorphic dreaming as a pathway to efficient learning in artificial agents. *Neuromorphic Computing and Engineering*. 2025;5(4). doi:10.1088/2634-4386/ae0a77.
- Bocchino M, Agazio E, Damiano C, Lorenzo GD, De Paolis F, Duilio Bacocco L, Silano M, *et al.* Telecardiology activities in hospital and university cardiology facilities in Italy: Survey study. *JMIR Cardio*. 2025;1-14. doi:10.2196/73747.

- Bocchino M, Di Lorenzo G, Damiano C, Barisone M, Silano M, De Nicolò V, Loria E, *et al.* Erasmus project BeEmTel – “Advancing Telemedicine for non-communicable diseases: Simulation-based approaches and e-learning platform evaluation”. *Croatian Nursing Journal*. 2025;9(1):29-44. doi:10.24141/2/9/1/3.
- Bolcato M, Fava L, Shander A, Zenger C, Trentino KM, Chisari M, De Angelis V, *et al.* The Clinical and medico-legal aspects in the challenge of transfusion-free organ transplants: A scoping review. *Journal of Clinical Medicine*. 2025;14(15). doi:10.3390/jcm14155444.
- Bolognini S, Ferretti C, Campobasso C, Trovato E, Marchetti M, Rindi L, Tavanti A, Di Luca M. Therapeutic optimization of *Pseudomonas aeruginosa* phages: From isolation to directed evolution. *Viruses*. 2025;17(7). doi:10.3390/v17070938.
- Bonaccorsi G, Zanobini P, Biagi C, Volpi M, Possenti V, Minardi V, Lorini C, *et al.* Measuring health literacy among seniors: Validation of the European health literacy survey questionnaire 6 in the Tuscan PASSI sample. *Annali di Igiene Medicina Preventiva e di Comunità*. 2025;37(4):512-522. doi:10.7416/ai.2025.2704.
- Bonanno Ferraro G, Brandtner D, Mancini P, Veneri C, Iaconelli M, Suffredini E, La Rosa G. Eight years of Norovirus surveillance in Urban wastewater: Insights from next-generation. *Viruses*. 2025;17(1). doi:10.3390/v17010130.
- Bonanno Ferraro G, Veneri C, Franco A, Brandtner D, Congiu D, Mancini P, La Rosa G, *et al.* Rotavirus quantification and genotyping in wastewater: A molecular surveillance study in Italy (2024–2025). *Microorganisms*. 2025;13(10). doi:10.3390/microorganisms13102319.
- Bongiorno G, Adam K, Bernardini I, Mangiapelo C, Fiorentino E, Di Muccio T, Ivočić V. First molecular evidence of *Leishmania* parasites in sand flies (Diptera: Phlebotominae) from Slovenia. *Parasites and Vectors*. 2025;18(1). doi:10.1186/s13071-025-07006-4.
- Bonuso M, Allegra F, Burattini A, Carruezzo M, De Feo MS, Deister J, Mattiello L, *et al.* Development of High-Z organic scintillators for modern SPECT imaging and theranostic dosimetry. *Bio-Algorithms and Med-Systems*. 2025;21:29-41. doi:10.5604/01.3001.0055.5412.
- Borda MG, Landi F, Cederholm T, Venegas-Sanabria LC, Duque G, Wakabayashi H, Aarsland D, *et al.* Assessment and management of frailty in individuals living with dementia: expert recommendations for clinical practice. *The Lancet Healthy Longevity*. 2025;6(1). doi:10.1016/j.lanhl.2024.100666.
- Borgi M, D’amore A, Chiarotti F, Ruocco A, Capuano E, Vitali S, Ortona E, Petrini M. Sex and gender differences in health among informal caregivers of individuals with autism spectrum disorder and dementia/ Alzheimer’s disease: Evidence from an Italian study. *Journal of Sex- and Gender- Specific Medicine*. 2025;11(3):125-137. doi:10.1723/4600.46067.
- Borioni A, Crestoni ME, Hakkarainen B, Zacharis CK, Aureli F. Editorial: Recent advances in pharmaceutical analysis: Applications and new challenges for the quality of medicines. *Frontiers in Chemistry*. 2025;13. doi:10.3389/fchem.2025.1699047.
- Bosio C, Usta D, Leo D, Trevisan C, Lane D, Graffigna G, Vivani L, *et al.* Exploring patient engagement in atrial fibrillation with multimorbidity: Impact on quality of life, medication adherence and healthcare perceptions - A multicountry cross-sectional study. *BMJ Open*. 2025;15(3). doi:10.1136/bmjopen-2024-094351.
- Botta L, Capocaccia R, Bernasconi A, Rossi S, Galceran J, Dal Maso L, Lepage C, Molinié F, Bouvier A-M, Marcos-Gragera R, Vener C, Guevara M, Murray D, Ragusa R, Gatta G, Jooste V, EURO CARE-6 WG. The impact of cancer survivors’ extra risk of noncancer mortality on net survival estimation. *American Journal of Epidemiology*. 2025;194(11):3316-3324. doi:10.1093/aje/kwaf148.
- Botta L, Capocaccia R, Vener C, Bernasconi A, Trama A, Didoné F, Jooste V, *et al.* Estimating cure and risk of death from other causes of adolescent and young adult cancer patients in Europe. *European Journal of Cancer*. 2025;222. doi:10.1016/j.ejca.2025.115443.
- Botti S, Lupo R, Pollichieni S, Sacchi N, Serra N, Cioce M, Conte L, *et al.* Exploring Italians’ knowledge of, and perceptions and feelings about stem cell donation: A GITMO-IBMDR nationwide survey. *Blood Transfusion*. 2025;23(6):477-491. doi:10.2450/BloodTransfus.986.
- Bottillo I, De Luca C, Cordella A, Passeri M, Salvatore M, Fortugno P, Brancati F, *et al.* Cardiological manifestations in males and females affected by NAA10-related disease. *American Journal of Medical Genetics, Part A*. 2025;197(9). doi:10.1002/ajmg.a.64096.
- Bottini I, Vecchi S, De Sario M, Bauleo L, Trentalange A, Michelozzi P, Ancona C. Residential exposure to municipal solid waste incinerators and health effects: A systematic review with meta-analysis. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-025-23150-z.

- Bovenzi R, Conti M, Chiurchiù V, De Franco V, Di Pucchio A, Pierantozzi M, Liguori C, *et al.* Nonmotor symptoms reduce quality of life in Parkinson's disease depending on disease stage and age at onset. *Acta Neurologica Scandinavica*. 2025;2025(1). doi:10.1155/ane/2145092.
- Branchi I. Integrating plasticity into precision psychiatry. *European Psychiatry*. 2025;68(1). doi:10.1192/j.eurpsy.2025.19.
- Brunelli L, Valent F, Comar M, Suligoi B, Salfa MC, Gianfrilli D, Restivo V, *et al.* Knowledge about HPV and the HPV vaccine: Observational study on a convenience sample of adolescents from select schools in three Regions in Italy. *Vaccines*. 2025;13(3). doi:10.3390/vaccines13030227.
- Bruschetta R, Caruso A, Micai M, Campisi S, Tartarisco G, Pioggia G, Scattoni ML. Marker-less video analysis of infant movements for early identification of neurodevelopmental disorders. *Diagnostics*. 2025;15(2). doi:10.3390/diagnostics15020136.
- Bruselles A, Mancini C, Chiriatti L, Carvetta M, Baroni MC, Cappelletti C, Tartaglia M, *et al.* Expanding the mutational spectrum of ReNU syndrome: Insights into 5' Stem-loop variants. *European Journal of Human Genetics*. 2025;33(4):432-440. doi:10.1038/s41431-025-01820-1.
- Brustenga L, Rigamonti G, Moretta I, Morganti G, Calgaro V, Giglia G, Veronesi F, *et al.* The spiky side of urban wildlife, first detection of a zoonotic assemblage of *Giardia duodenalis* in European hedgehogs (*Erinaceus europaeus*) from Italy. *Acta Parasitologica*. 2025;70(2). doi:10.1007/s11686-025-01009-y.
- Bucchi L, Giudici F, Toffolutti F, De Paoli A, Mancini S, Preti M, AIRTUM Working Group. Prevalence and indicators of cure of Italian women with vulvar squamous cell carcinoma: A population-based study. *European Journal of Surgical Oncology*. 2025;51(4). doi:10.1016/j.ejso.2024.108707.
- Bucciardini R, Calabrò GE, Cresswell-Smith J, Csizmadia P, Di Girolamo C, Destefanis C, Syse A, *et al.* Reducing Europe's cancer and NCD burden through coordinated strategies on health determinants: The Joint Action on Cancer and other NCDs prevention (JA-PreventNCD). *Scandinavian Journal of Public Health*. 2025;53:72-80. doi:10.1177/14034948251365171.
- Buchignani B, Coratti G, Cutri C, Scattoni ML, Pane M, Palermo C, Mercuri E, *et al.* Neurodevelopmental and mental disorders in children with type I and presymptomatic spinal muscular atrophy. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-12484-8.
- Bugianesi E, Buscemi S, Burra P, Calvaruso V, Gastaldelli A, Germani G, Kondili LA, *et al.* ITA-MASLD: A national observational study to characterize the profile of patients with MASLD in specialistic care in Italy. *Digestive and Liver Disease*. 2025;57(11):2083-2086. doi:10.1016/j.dld.2025.08.092.
- Buonvino S, Arciero I, Moretti S, Iorio E, Melino S. A new light-sensor system affecting cancer cell fate. *Biomaterials Research*. 2025;29. doi:10.34133/bmr.0157.
- Burra P, Battistella S, Turco L, Morelli MC, Frassanito G, De Maria N, Russo FP, *et al.* Liver transplantation for HBV-related liver disease: Impact of prophylaxis for HBV on HCC recurrence. *JHEP Reports*. 2025;7(3). doi:10.1016/j.jhepr.2024.101278.
- Buscarnera S, Canevelli M, Bruno G, Garibotto V, Frisoni GB, Ribaldi F. Unraveling the link between frailty and Alzheimer's disease biomarkers in patients with mild cognitive impairment. *GeroScience*. 2025;47(4):5985-5994. doi:10.1007/s11357-025-01547-3.
- Buttari B, Recalchi S, Riitano G, Capozzi A, Ucci FM, Manganelli V, Sorice M, *et al.* Extracellular microvesicles from patients with Rheumatoid arthritis promote dendritic cell activation in vitro. *Frontiers in Immunology*. 2025;16. doi:10.3389/fimmu.2025.1532114.
- Buttari B, Tramutola A, Rojo AI, Chondrogianni N, Saha S, Berry A, Di Domenico F, *et al.* Proteostasis Decline and redox imbalance in age-related diseases: The therapeutic potential of NRF2. *Biomolecules*. 2025;15(1). doi:10.3390/biom15010113.
- Buttinger G, Petrillo M, Valastro V, Marciano S, Crimando M, D'amico V, Marchini A, *et al.* Novel (d)PCR assays for influenza A(H5Nx) viruses clade 2.3.4.4b surveillance. *Eurosurveillance*. 2025;30(33). doi:10.2807/1560-7917.ES.2025.30.33.2500183.
- Bzeih F, Micheli C, Musico P, Cisbani E. Modular 1 Gbps Hardware TCP/IP FPGA Readout for MPGD applications with APV25. 2025 32nd IEEE International Conference on Electronics, Circuits and Systems, ICECS 2025. 2025. doi:10.1109/ICECS66544.2025.11270496.

- Cafaro A, Barco S, Pigliasco F, Negro I, Piccotti E, Manfredini L, Cangemi G, *et al.* Monitoring of plasma tetrahydrocannabinol in pediatric patients. *Biochimica Clinica*. 2025;49(3):214-219. doi:10.23736/S0393-0564.25.00030-5.
- Cafaro A, Riva A, Pigliasco F, Barco S, Manca V, Stella Vari M, Cangemi G, *et al.* Long-term plasma monitoring of THC and CBD in pediatric drug-resistant epilepsy: Implications for cannabidiol therapy with Epidyolex®. *Epilepsia Open*. 2025;10(5):1699-1704. doi:10.1002/epi4.70112.
- Cafiero SA, Cenni L, Rossi C, Pascoe EL, Obber F, Da Rold G, Massolo A, *et al.* Chasing intermediate hosts of *Echinococcus multilocularis* at the southern edge of its European distribution using red fox stomach content analysis. *International Journal for Parasitology: Parasites and Wildlife*. 2025;27. doi:10.1016/j.ijppaw.2025.101095.
- Cafiero SA, Cenni L, Rossi C, Pascoe EL, Obber F, Da Rold G, Massolo A, *et al.* Corrigendum to “Chasing intermediate hosts of *Echinococcus multilocularis* at the southern edge of its European distribution using red fox stomach content analysis” [Int. J. Parasitol. Parasite. Wildlife 27 (2025) 101095]. *International Journal for Parasitology: Parasites and Wildlife*. 2025;28. doi:10.1016/j.ijppaw.2025.101141.
- Cafiero SA, Petroni L, Natucci L, Casale L, Raffaelli M, Baldacci D, Perrucci S, *et al.* Parasite diversity in grey wolves (*Canis lupus*) from Tuscany, central Italy: A copromicroscopical investigation. *International Journal for Parasitology: Parasites and Wildlife*. 2025;27. doi:10.1016/j.ijppaw.2025.101092.
- Cafiero SA, Petroni L, Natucci L, Tomassini O, Romig T, Wassermann M, Massolo A, *et al.* New evidence from the northern Apennines, Italy, suggests a southward expansion of *Echinococcus multilocularis* range in Europe. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-91596-7.
- Caira S, Buratta S, Vincenzetti S, Latella R, Seccaroni M, De Pascale S, Chiaradia E, *et al.* Comparative proteomic analysis of extracellular vesicles from donkey colostrum and mature milk. *Metabolites*. 2025;15(9). doi:10.3390/metabo15090619.
- Calero-Bernal R, Betson M, Slana I, Bartosova B, Marucci G, Possenti A, Lalle M, *et al.* Molecular detection of toxoplasma gondii in ready-to-eat salad mixes: Multi-country survey using a validated and harmonised standard operating procedure, Europe, 2021 to 2022. *Eurosurveillance*. 2025;30(22). doi:10.2807/1560-7917.ES.2025.30.22.2400594.
- Calia C, O'Donald F, Franzen S, Delgado Alvarez A, Dreyer AJ, Ibanez-Casas I, Giannouli V, *et al.* Cross-cultural functional assessment for dementia: A commentary. *Clinical Neuropsychologist*. 2025. doi:10.1080/13854046.2025.2543913.
- Camilli R, Giancristofaro S, Boros S, Bellini B, D'Ambrosio F, Urciuoli R, D'Ancona F, *et al.* Invasive pneumococcal diseases before and after the COVID-19 pandemic in Italy (2018–2023). *Microorganisms*. 2025;13(12). doi:10.3390/microorganisms13122734.
- Camillocci ES, Ciucci D, Polito C, Donatiello S, Napolitano A, Palmieri D, Cannata V, *et al.* Optimizing glomerular filtration rate estimation: A simplified method for improved accuracy and efficiency. *Journal of Nuclear Medicine Technology*. 2025;53(4):325-331. doi:10.2967/jnmt.125.270100.
- Caminada S, Benoni R, Dente MG, Robbiati C, Tomas J, Natali G, Tosti ME, *et al.* Impact of the SARS-COV-2 pandemic on access to health services in Angola: A focus on diagnosis and treatment services for tuberculosis. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1530782.
- Camisa V, Zaffina S, Solfaroli Camillocci E, Ciucci D, Marco Contessa G, Coscia E, Cannatà V, *et al.* Oral cavity damage as a potential health risk from germicidal UV lamp use in occupational and emergency situations. *European Physical Journal Plus*. 2025;140(3). doi:10.1140/epjp/s13360-025-06190-7.
- Camoni L, Mirabella F, Gigantesco A, Medda E, Ferri M, Del Re D, Zanchi P, *et al.* Organization and functioning of the Italian Departments of Mental Health in the pandemic and post-pandemic period. *Ann Ist Super Sanita*. 2025;61(4):250-258. doi:10.4415/ANN_25_04_03.
- Campa A, Hovhannisyan V, Ruffo S, Trombettoni A. Ensemble inequivalence in Ising chains with competing interactions. *Journal of Physics A: Mathematical and Theoretical*. 2025;58(3). doi:10.1088/1751-8121/ada64c.
- Canale N, Elgar FJ, Pivetta E, Galeotti T, Marino C, Billieux J, Vieno A, *et al.* Problem gaming and adolescents' health and well-being: Evidence from a large nationally representative sample in Italy. *Computers in Human Behavior*. 2025;168. doi:10.1016/j.chb.2025.108644.
- Cancila V, Bertolazzi G, Chan ASY, Medico G, Bastianello G, Morello G, Tripodo C, *et al.* Aggressive B cell lymphomas retain ATR-dependent determinants of T cell exclusion from the germinal center dark zone. *Journal of Clinical Investigation*. 2025;135(18). doi:10.1172/JCI187371.

- Candura F, Pati I, De Fulvio L, Massari MS, Piccinini V, Pupella S, De Angelis V, *et al.* Comprehensive analysis of parvovirus B19 infection in blood donors: Epidemiological trend and implications for transfusion safety and management strategies in Italy. *Blood Transfusion*. 2025;23(2):168-175. doi:10.2450/BloodTransfus.894.
- Canevelli M, Sumi Y, Banerjee A, Chetia S, Gjonca A, Jang H, Cesari M, *et al.* Perceived needs and priorities of older persons in humanitarian crises: A scoping review of literature. *Aging Clinical and Experimental Research*. 2025;37(1). doi:10.1007/s40520-025-03226-x.
- Canosa A, Martino A, Manera U, Giuliani A, Vasta R, Palumbo F, Pagani M, *et al.* Sex-related differences in amyotrophic lateral sclerosis: A 2-[18F]FDG-PET study. *European Journal of Neurology*. 2025;32(1). doi:10.1111/ene.16588.
- Capogni M, Cisbani E, Cosmi V, Croia M, Giuliani F, Limiti G, Spurio A, *et al.* Toward quantitative bremsstrahlung medical imaging by custom gamma camera device. *EPJ Web of Conferences*. 2025;338. doi:10.1051/epjconf/202533809005.
- Capone V, Buttera M, Miselli F, Truocchio S, Iaccheri M, Auriti C, Berardi A, *et al.* Antimicrobial therapies for early-onset group B streptococcal sepsis: Insights from an Italian multicenter study. *Antibiotics*. 2025;14(4). doi:10.3390/antibiotics14040410.
- Cappiello A, Cuoco S, De Micco R, Satolli S, Di Biasio F, Markushi TB, Serio M, *et al.* Psychometric properties and clinical correlates of the Frontal Behaviour Inventory in progressive supranuclear palsy: Data from the PSP-NET. *Neurological Sciences*. 2025;46(3):1207-1215. doi:10.1007/s10072-024-07887-w.
- Capuano EI, Ruocco A, Scazzocchio B, Zanchi G, Lombardo C, Silenzi A, Ortona E, Vari R. Gender differences in eating disorders. *Frontiers in Nutrition*. 2025;12. doi:10.3389/fnut.2025.1583672.
- Carannante A, Giustini M, Caredda E, Montanaro V, Gaudi S, Barbaro MGF. EpiCHILD assessment tool: identifying exposure to witnessed violence in children and adolescents. *Ann Ist Super Sanita*. 2025;61(4):269-276. doi:10.4415/ANN_25_04_05.
- Carbone E, Fabrizi E, Rivabene R, Cappella M, Fortini P, Conti L, Piscopo P, *et al.* Human oral microbiome in aging: A systematic review. *Mechanisms of Ageing and Development*. 2025;226. doi:10.1016/j.mad.2025.112080.
- Cardone F, Porreca F, Sbriccoli M, Poleggi A, Ladogana A, Lu M, Pocchiari M, Giamberardino LD. Sciatic integrity is necessary for fast and efficient scrapie infection after footpad injection. *International Journal of Molecular Sciences*. 2025;26(15). doi:10.3390/ijms26157273.
- Caresio L, Delsanto M, Scozzaro CJ, Mensa E, Colla D, Mamo C, Radicioni DP, *et al.* Violence detection from emergency room reports. *Conference Proceedings - 2025 IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering, MetroXRINE 2025*. 2025;305-310. doi:10.1109/MetroXRINE66377.2025.11340242.
- Carnazzo V, Pignalosa S, Tagliaferro M, Gragnani L, Zignego AL, Racco C, Basile U, *et al.* Exploratory study of extracellular matrix biomarkers for non-invasive liver fibrosis staging: A machine learning approach with XGBoost and explainable AI. *Clinical Biochemistry*. 2025;135. doi:10.1016/j.clinbiochem.2024.110861.
- Carrarini C, Caraglia N, Quaranta D, Vecchio F, Miraglia F, Giuffrè GM, Rossini PM, *et al.* Risk factors of dementia in a cohort of individuals with mild cognitive impairment in the Italian Interceptor project. *European Journal of Neurology*. 2025;32(2). doi:10.1111/ene.16591.
- Carriera F, Settimo G, Avino P. Sigh of relief: Challenges and future perspectives of the indoor air quality. *New Perspectives in Indoor Air Quality*. 2025;383-386. doi:10.1016/B978-0-443-26643-0.00027-3.
- Caruso A, Rasga C, Fulceri F, Scattoni ML, Micai M. Editorial: Empowering early career researchers in psychiatry: Advancing autism research. *Frontiers in Psychiatry*. 2025;16. doi:10.3389/fpsy.2025.1718609.
- Castagna A, Ruotolo G, Azzini M, Aprile PL, Vanacore N, Pilotto A, Veronese N. Reflections on the implementation of the Italian guidelines on comprehensive geriatric assessment for the older persons. *Aging Clinical and Experimental Research*. 2025;37(1). doi:10.1007/s40520-025-03036-1.
- Castellani G, Buccarelli M, Cece E, Offi M, Ricci-Vitiani L. Aptamer-mediated delivery of therapeutic oligonucleotides in glioblastoma. *Translational Oncology*. 2025;60. doi:10.1016/j.tranon.2025.102485.
- Castellani G, Buccarelli M, D'Alessandris QG, De Luca G, Ilari R, Pedini F, Ricci-Vitiani L, *et al.* DUSP8 as a regulator of glioblastoma stem-like cell contribution to tumor vascularization. *Journal of Experimental and Clinical Cancer Research*. 2025;44(1). doi:10.1186/s13046-025-03515-3.

- Castello A, Alio V, Torresi M, Centorotola G, Chiaverini A, Pomilio F, Costa A, *et al.* Molecular characterization and antimicrobial resistance evaluation of *Listeria monocytogenes* strains from food and human samples. *Pathogens*. 2025;14(3). doi:10.3390/pathogens14030294.
- Catania M, Battipaglia C, Perego A, Salvi E, Maderna E, Cazzaniga FA, Di Fede G, *et al.* Exploring the ability of plasma pTau217, pTau181 and beta-amyloid in mirroring cerebrospinal fluid biomarker profile of mild cognitive impairment by the fully automated Lumipulse® platform. *Fluids and Barriers of the CNS*. 2025;22(1). doi:10.1186/s12987-025-00620-5.
- Cattaneo P, Salvador E, Manica M, Barzon L, Castillett C, Di Gennaro F, Gobbi F, *et al.* Transmission of autochthonous Aedes-borne arboviruses and related public health challenges in Europe 2007–2023: A systematic review and secondary analysis. *The Lancet Regional Health – Europe*. 2025;51. doi:10.1016/j.lanepe.2025.101231.
- Cavalletto L, Bertoli E, Mescoli C, Aliberti C, Quaranta MG, Kondili L, Chemello L. Long-term risk of hepatic and extrahepatic-related events after direct antiviral therapy for chronic hepatitis C: A prospective long-term study cohort. *Cancers*. 2025;17(9). doi:10.3390/cancers17091528.
- Caviglia M, Del Bello F, Santini C, Migani S, Quaglia W, Del Gobbo J, Pelli M, *et al.* Synthesis, structural characterization, and investigation of anti-glioblastoma activity of copper complexes supported by bis(pyrazol-1-yl)acetate ligands functionalized with memantine. *Journal of Inorganic Biochemistry*. 2025;273. doi:10.1016/j.jinorgbio.2025.113035.
- Ceccarelli S, Pasqua Marzolesi V, Vannucci J, Bellezza G, Floridi C, Nocentini G, Conte C, *et al.* Toll-like receptor 4 and 8 are overexpressed in lung biopsies of human non-small cell lung carcinoma. *Lung*. 2025;203(1). doi:10.1007/s00408-025-00793-8.
- Censi F, Boriani G. Magnetic interference from consumer devices: A renewed challenge for the safety of cardiac implantable electronic devices. *Europace*. 2025;27(8). doi:10.1093/europace/eaaf165.
- Centrone F, Procacci R, Melilli R, Orlando VA, Colella V, Loconsole D, Serlenga E, *et al.* First seroprevalence study of West Nile Virus (WNV) infection in blood donors after the upsurge of West Nile Neuroinvasive Disease (WNND) cases in southern Italy in 2023. *BMC Infectious Diseases*. 2025;25(1). doi:10.1186/s12879-025-10603-4.
- Cerrai S, Carreras G, Monti F, Stival C, Lugo A, Bosetti C, Serafini G, *et al.* Changes in alcohol consumption during and after the Covid-19 pandemic from 2020 to 2023 in a prospective cohort of Italian adults. *Journal of Epidemiology*. 2025;35(2):63-70. doi:10.2188/jea.JE20230340.
- Cerroni M, De Luzi F, Filippini T, Fuscoletti V, Giustini M, Landi R, Vinceti M, *et al.* 3. Building national data lakehouse ecosystems for environmental and public health: AnTeA and IDEAH. *CEUR Workshop Proceedings*. 2025;4182:713-714.
- Cesari M, Canevelli M, Zhang W, Thiyagarajan JA, Azzolino D, Cherubini A, Moorthy V, *et al.* Enhancing the methodology of clinical trials in older people: A scoping review with global perspective. *Journal of Nutrition, Health and Aging*. 2025;29(6). doi:10.1016/j.jnha.2025.100582.
- Chahboun S, Sullivan B, Saldaña D, Vulchanova M, Micai M. Windows to the social mind: What eye-tracking reveals about theory of mind in children and young adults with Autism Spectrum Disorder (ASD). *Behavioral Sciences*. 2025;15(12). doi:10.3390/bs15121622.
- Chellini L, Caprara V, Spadaro F, Sestito R, Bagnato A, Rosanò L. Corrigendum to “Regulation of extracellular matrix degradation and metastatic spread by IQGAP1 through endothelin-1 receptor signalling in ovarian cancer” [Matrix Biol. 81 (2019) 17-33, (S0945053X18303032), (10.1016/j.matbio.2018.10.005)]. *Matrix Biology*. 2025;135. doi:10.1016/j.matbio.2024.11.003.
- Chen Z, Wang H, Li C, Liu C, Yang F, Zhang D, Fauci AJ, Zhang J. Large language models in traditional Chinese medicine: A systematic review. *Acupuncture and Herbal Medicine*. 2025;5(1):57-67. doi:10.1097/HM9.0000000000000143.
- Chen-Xu J, Grad D, Mahrouseh N, Santos JV, Riva S, Gazzelloni F, Viegas S, *et al.* The role of burden of disease estimates in European Union Health policymaking: A systematic analysis of EU legislation. *Health Policy*. 2025;159. doi:10.1016/j.healthpol.2025.105387.
- Cherubini V, Scaramuzza AE, Agrimi U, Bonfanti R, Bosi E, D’Avino A, Iafusco D, Marigliano M, Mozzillo E, Pricci F, Rabbone I, Ripoli C, Silano M, Ulivi F, Vincentini O, Gesuita R, Diabetes Study Group of the Italian Society for Pediatric Endocrinology and Diabetology. Initial observations on the frequency of diabetic ketoacidosis following pilot screening for type 1 diabetes in the general Italian population. *Diabetes, Obesity and Metabolism*. 2025;27(10):6039-6043. doi:10.1111/dom.16611.

- Chiani P, Michelacci V, Delibato E, Ventola E, Mannan S, Marra M, Libri V, Montalbano Di Filippo M, *et al.* Survival and genomic stability of *Yersinia enterocolitica* in environmental *Acanthamoeba* spp. *Frontiers in Cellular and Infection Microbiology*. 2025;15. doi:10.3389/fcimb.2025.1642352.
- Chiappinelli A, Iammarino M, Tomaiuolo M, Nardelli V, Boniglia C, Bortolin E, Campaniello M, *et al.* Fast and green extraction method based on HS-SPME/GC-MS to identify chemical markers of X-ray irradiated hen eggs. *Applied Sciences (Switzerland)*. 2025;15(18). doi:10.3390/app151810044.
- Chiappini S, Di Trana A. Editorial: Women in psychiatry 2024: addictive disorders. *Frontiers in Psychiatry*. 2025;16. doi:10.3389/fpsy.2025.1726772.
- Chira A, Lorenzetti S. Modulatory effects of *Urtica dioica* on neurodegenerative diseases: Unveiling the latest findings and applications related to neuroinflammation, oxidative stress, and cognitive dysfunction. *Antioxidants*. 2025;14(7). doi:10.3390/antiox14070854.
- Chiriatti L, Priolo M, Onesimo R, Carvetta M, Leoni C, Bruselles A, Tartaglia M, *et al.* The Arg99Gln substitution in HNRNPC is associated with a distinctive clinical phenotype characterized by facial dysmorphism and ocular and cochlear anomalies. *Genes*. 2025;16(2). doi:10.3390/genes16020176.
- Chockalingam N, Giacomozzi C, Healy A, Sacco ICN. Discrepancies between plantar pressure devices: Evaluating cross-system reliability for biomechanics, clinical use and predictive modelling. *Foot*. 2025;64. doi:10.1016/j.foot.2025.102190.
- Chronopoulou L, Binaymotlagh R, Bozzi M, Colone M, Stringaro AR, Sciandra F, Palocci C. Microfluidic synthesis of phosphatidylcholine liposomes for verbascoside delivery into C2C12 cells. *Journal of Nanoparticle Research*. 2025;27(7). doi:10.1007/s11051-025-06365-4.
- Ciacchella C, Collacchi B, Fiorillo A, Sampogna G, Cirulli F. Impact of structured physical activity on youth's mental health: A review of umbrella reviews. *International Journal of Social Psychiatry*. 2025;71(7):1219-1234. doi:10.1177/00207640251342425.
- Ciano Albanese N, Del Castillo I, Ragaglia G, Castellano G, Ajmone-Cat MA, De Simone R, Griguoli M, Ricceri L. Microglia depletion in a mouse model of prenatal and postnatal immune activation. *Brain, Behavior, and Immunity*. 2025;129:935-947. doi:10.1016/j.bbi.2025.07.018.
- Ciano Albanese N, Poggini S, Reccagni A, Barezzi C, Saliccia C, Poleggi A, Branchi I. Adolescent social isolation induces sex-specific behavioral and neural alterations. *Psychoneuroendocrinology*. 2025;172. doi:10.1016/j.psyneuen.2024.107264.
- Ciarlo M, Henry NB, Soulama I, Sermé SS, Rotili D, Mai A, Siciliano G, *et al.* An improved multiplex RT-quantitative PCR assay can reveal sex-specific activity of transmission-blocking drugs on ex vivo gametocytes from *Plasmodium falciparum* asymptomatic infections. *Journal of Antimicrobial Chemotherapy*. 2025;80(7):1907-1914. doi:10.1093/jac/dkaf146.
- Ciardullo S, Pierannunzio D, Dalmaso P, Lazzeri G, Vieno A, Nardone P. Impact of COVID-19 Pandemic on health behaviours of adolescents living in Italy: Data from 2021/2022 HBSC survey. *Healthcare (Switzerland)*. 2025;13(16). doi:10.3390/healthcare13162035.
- Ciliberto G, De Maria R, Giacomini P, Trapani V, Betti M, Bucci G, Le Tourneau C, *et al.* A decalogue of Molecular Tumor Board (MTB) recommendations from the CAN.HEAL Consortium. *European Journal of Cancer*. 2025;222. doi:10.1016/j.ejca.2025.115433.
- Ciminello E, Cuda D, Forli F, Fetoni AR, Berrettini S, Mattei E, Torre M, *et al.* Trends and incidence of hearing implant utilization in Italy: A population-based study. *Audiology Research*. 2025;15(6). doi:10.3390/audiolres15060175.
- Ciminello E, Valentini R, Laricchiuta P, Madi SA, Carrani E, Falcone T, Torre M, *et al.* Can we trust administrative data in joint arthroplasty? A validation study against the Italian Arthroplasty Registry data as a gold standard. *Ann Ist Super Sanita*. 2025;61(3):191-198. doi:10.4415/ANN_25_03_05.
- Cinithi M, Coccitto SN, Simoni S, Gherardi G, Palamara AT, Di Lodovico S, Giovanetti E, *et al.* The *optrA*, *cfr(D)* and *vanA* genes are co-located on linear plasmids in linezolid- and vancomycin-resistant enterococcal clinical isolates in Italy. *Journal of Antimicrobial Chemotherapy*. 2025;80(5):1362-1370. doi:10.1093/jac/dkaf082.
- Ciofani G, Bandiera T, Corsini A, Crescenzi M, De Vittorio M, Mari S, Ferranti F, *et al.* Pharmaceutical and biomedical challenges for crew autonomy in health preservation during future exploration missions. *Communications Medicine*. 2025;5(1). doi:10.1038/s43856-025-01128-7.
- Cipressa F, Pennarun G, Bosso G, Rosignoli S, Tullo L, Schiralli N, Cenci G, *et al.* An evolutionarily conserved role for separase in the regulation of nuclear lamins. *Cell Death Discovery*. 2025;11(1). doi:10.1038/s41420-025-02758-5.

- Cipriani C, Camaioni A, Tartaglione AM, Giudice M, Conti A, Petrone V, Balestrieri E, *et al.* Activation of endogenous retroviruses characterizes the maternal-fetal interface in the BTBR mouse model of autism spectrum disorder. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-91541-8.
- Cipriani M, Di Rocco L, Puopolo M, Alfò M. A flexible parametric approach to synthetic patients generation using health data. *Statistical Methods and Applications*. 2025;34(4):639-662. doi:10.1007/s10260-025-00800-5.
- Cirulli F, Dangarembezi R, de Lafuente V, Hannan AJ, Kentner AC, Mima T, Zhang C. Tips for quality publishing; Lessons from the neuroscience editorial team. *Neuroscience*. 2025;572:68-72. doi:10.1016/j.neuroscience.2025.03.005.
- Cirulli F, Spencer SJ, Zhang C. Diversity matters. *Neuroscience*. 2025;564:319-321. doi:10.1016/j.neuroscience.2024.11.057.
- Cissé B, Rosano A, Griebler R, Unim B, Lorini C, Bonaccorsi G, Van den Broucke S, *et al.* Exploring vaccination literacy and vaccine hesitancy in seven European countries: Results from the HLS19 population survey. *Vaccine: X*. 2025;25. doi:10.1016/j.jvax.2025.100671.
- Citarella A, Besharat ZM, Coppola L, Sabato C, Autilio TM, Vicentini E, Po A, *et al.* Bisphenol A drives nuclear factor-kappa B signaling activation and enhanced motility in non-transformed breast cells. *Environmental Pollution*. 2025;376. doi:10.1016/j.envpol.2025.126422.
- Coco B, Quaranta MG, Tosti ME, Ferrigno L, Brancaccio G, Ciancio A, Boni C. Sex-based differences in hepatitis delta virus infection: Insights from the Italian PITER hepatitis delta virus cohort. *World Journal of Gastroenterology*. 2025;31(47). doi:10.3748/wjg.v31.i47.111637.
- Colavita F, Castilletti C, Matusali G, Accordini S, De Masi S, Da Cas R, Menniti Ippolito F, *et al.* Humoral response to the third dose of SARS-CoV-2 vaccine among dialysis patients: A breakthrough infection case-control study. *Vaccines*. 2025;13(9). doi:10.3390/vaccines13090935.
- Colella F, Calapà F, Artemi G, Pazzaglia E, Colonna R, Vitale S, Lucchetti D, *et al.* CD147 Mediates the metabolic reprogramming of cancer associated fibroblasts induced by EVs released by differentiating cancer stem cells. *Journal of Extracellular Biology*. 2025;4(3). doi:10.1002/jex2.70039.
- Comelli A, Angheben A, Albonico M, Calleri G, Zammarchi L, Napoli C, Marrone R. Schistosomiasis in migrants: Bridging the gap in Italy's treatment guidelines and access. *Journal of Travel Medicine*. 2025;32(1). doi:10.1093/jtm/taae107.
- Comelli M, Vivarelli C, Mattei E, Calcagnini G, Falsaperla R. The WebNIR platform: A web tool for the risk assessment of workers with active implantable medical devices exposed to electromagnetic fields. *2025 URSI Asia-Pacific Radio Science Meeting, AP-RASC 2025*. 2025. doi:10.46620/URSIAPRASC25/HYNT5038.
- Conte L, De Nunzio G, Lupo R, Cascio D, Cioce M, Vitale E, Botti S, *et al.* Correction to: Raising awareness may increase the likelihood of hematopoietic stem cell donation: A nationwide survey using artificial intelligence (International Journal of Hematology, (2025), 121, 4, (511-525), 10.1007/s12185-024-03894-x). *International Journal of Hematology*. 2025;121(4). doi:10.1007/s12185-025-03932-2.
- Conte L, De Nunzio G, Lupo R, Cascio D, Cioce M, Vitale E, Botti S, *et al.* Raising awareness may increase the likelihood of hematopoietic stem cell donation: A nationwide survey using artificial intelligence. *International Journal of Hematology*. 2025;121(4):511-525. doi:10.1007/s12185-024-03894-x.
- Contessa GM, Del Dotto A, D'Arienzo M, Marinari R, Orefice A, Pietropaolo A, Angiolini M, *et al.* Operational issues related to the proton beam interactions in the SORGENTINA-RF's fusion ion source. *European Physical Journal Plus*. 2025;140(1). doi:10.1140/epjp/s13360-024-05904-7.
- Contoli B, Marotta D, Pettinicchio V, Asta F, Possenti V, Minardi V, Trinito MO, Masocco M. Healthcare renunciation among Italian older adults during the COVID-19 pandemic: Insights from the PASSI d'Argento surveillance system. *European Journal of Public Health*. 2025;35(6):1307-1313. doi:10.1093/eurpub/ckaf182.
- Contrò G, Baroni MC, Caraffi SG, Napoli M, Artuso R, Giliberti A, Garavelli L, *et al.* CDK13-Related disorder: Novel insights from a series of 27 cases and recommendations for clinical management. *Clinical Genetics*. 2025;108(2):146-155. doi:10.1111/cge.14726.
- Coppola L, Fabbri E, Angelozzi G, Battistelli CL, Catena A, Ciferri L, La Rocca C, *et al.* Premature thelarche and pesticide exposure: A case-control study in an intensive agricultural area. *International Journal of Hygiene and Environmental Health*. 2025;264. doi:10.1016/j.ijheh.2025.114524.

- Coppola L, Lori G, Tait S, Sogorb MA, Estevan C. Evaluation of developmental toxicity of chlorpyrifos through new approach methodologies: A systematic review. *Archives of Toxicology*. 2025;99(3):935-981. doi:10.1007/s00204-024-03945-6.
- Cordeddu V, Flex E, Mignini L, Bruselles A, Cecchetti S, Messina E, Tartaglia M, *et al.* Biallelic BAIAP3 variants are associated with isolated Retinitis pigmentosa. *International Journal of Molecular Sciences*. 2025;26(17). doi:10.3390/ijms26178244.
- Correale C, Mercier M, Cappelletti S, Pietrafusa N, Falamesca C, Collalti E, Specchio N, *et al.* Neurocognitive, behavioral, and treatment burden as key predictors of parental stress in pediatric epilepsy. *Epilepsia*. 2025;66(12):4960-4971. doi:10.1111/epi.18580.
- Correale C, Orlando S, Borgi M, Gentile S, Cappelletti S. Animal-assisted interventions in paediatric hospitals: An investigation of Italian healthcare personnel attitudes. *Children*. 2025;12(3). doi:10.3390/children12030352.
- Costa G, Barbanti M, Rosato S, Tarantini G, Tamburino C, Biancari F, D'Errigo P, *et al.* Five-year multiple Comparison of transcatheter aortic valves: Insights from the OBSERVANT II study. *Canadian Journal of Cardiology*. 2025;41(2):264-271. doi:10.1016/j.cjca.2024.10.026.
- Costanzo M, Marchet F, Leodori G, Cutrona C, De Bartolo MI, Vivacqua G, Belvisi D, *et al.* Neurophysiological features of tremor during walking in Parkinson's disease. *Movement Disorders Clinical Practice*. 2025;12(2):226-230. doi:10.1002/mdc3.14293.
- Cotugno S, Guido G, Acquasanta A, Dilba T, Tulone O, Fikru A, Di Gennaro F, *et al.* When microbiology is missing: A prospective observational study on empirical first-line antibiotic treatment (FLAT) in Ethiopia. *Acta Tropica*. 2025;271. doi:10.1016/j.actatropica.2025.107880.
- Covelo J, Cortada M, Vinci GV, Mattia M, Sanchez-Vives MV. Network desynchronization with sine waves: From synchrony to asynchrony by periodic stimulation. *Advanced Science*. 2025;12(32). doi:10.1002/adv.202414602.
- Creti R, Imperi M, Gherardi G, Alfaroni G, Marani I, Vocale C, Miselli F, *et al.* Group B Streptococcus (GBS) carriage in pregnant women: Possible emergence of rare serotypes and antibiotic resistance in neonatal disease. *Microorganisms*. 2025;13(7). doi:10.3390/microorganisms13071496.
- Cristiano D, Peruzzy MF, Castellano S, Mancusi A, Proroga YTR, Delibato E, Murru N, *et al.* Toward same-day detection of Salmonella: A rapid and cost-effective analytical method. *Frontiers in Microbiology*. 2025;16. doi:10.3389/fmicb.2025.1710697.
- Crocchiolo R, Lombardini L, Sacchi N, Lombardi I, Blake J, Allan D, Cardillo M, *et al.* Analysis of HLA matching between deceased organ donors and cord blood units from a National Bank Network as a basis for potential platforms for chimerism-based immune tolerance after solid organ transplantation. *Blood transfusion = Trasfusione del sangue*. 2025;23(3):250-254. doi:10.2450/BloodTransfus.759.
- Crocetti E, Bennett D, Jooste V, Rossi S, Maso LD, Marcos-Gragera R, Gatta G, *et al.* Skin melanoma survival is improving in Europe but regional differences persist: Results of the EURO CARE-6 study. *European Journal of Cancer*. 2025;231. doi:10.1016/j.ejca.2025.116061.
- Cuccu A, Samaila EM, Ciminello E, Alfieri Montrasio U, Cortese F, Ceccarelli S, Falcone T, Torre M. Is the treatment of ankle osteoarthritis changing over time in Italy? Analysis of temporal trends for fusion and arthroplasty in a population-based study from 2001 to 2022 on the National Hospital Discharge Record database. *Journal of Orthopaedics and Traumatology*. 2025;26(1). doi:10.1186/s10195-024-00809-8.
- Cuende N, Tullius SG, Izeta A, Plattner V, Börgel Msc M, Ciccocioppo R, Oniscu GC, *et al.* Promoting equitable and affordable patient access to safe and effective innovations in donation and transplantation of substances of human origin and derived therapies. *Transplantation*. 2025;109(1):36-47. doi:10.1097/TP.0000000000005169.
- Cusumano A, Lombardo M, Falsini B, D'Ambrosio M, Sebastiani J, Marchionni E, Novelli G, *et al.* Longitudinal multimodal assessment of structure and function in INPP5E-related retinopathy. *Genes*. 2025;16(12). doi:10.3390/genes16121407.
- Cusumano A, Pileri MA, Falsini B, Cesareo M, D'Ambrosio M, D'Apolito F, Martelli F, Lombardo M. Structural and functional insight into Intracameral Cefuroxime Ocular Toxic Syndrome (ICOTS) in eyes with disrupted intraocular barrier. *Ophthalmology and Therapy*. 2025;14(6):1337-1347. doi:10.1007/s40123-025-01137-8.
- Cutrona C, Costanzo M, Leodori G, De Bartolo MI, Liguori A, Marchet F, Belvisi D, *et al.* The evolution of tremor in Parkinson's Disease: Insights from a 4-year longitudinal assessment. *Neurological Sciences*. 2025;46(9):4397-4403. doi:10.1007/s10072-025-08363-9.

- Cutuli SL, Rizzo F, De Pascale G, Costantini S, Marella AM, Antonelli M, Ciervo A. Severe circulatory failure caused by acute cardiac dysfunction in a young man with leptospirosis living in a slum of Rome, Italy (REV JI-PH-D-24-01876R3). *Journal of Infection and Public Health*. 2025;18(11). doi:10.1016/j.jiph.2025.102915.
- Czakó A, Potenza MN, Hodgins DC, Yu SM, Wu AMS, Jiménez-Murcia S, Zoratto F, *et al.* Research priorities in gambling: Findings of a large-scale expert study. *Journal of Behavioral Addictions*. 2025;14(3):1222-1249. doi:10.1556/2006.2025.00072.
- D'Agostino M, O'Connor L, Semaan D, Choudhury B, Grierson S, Jones D, Scobie L, *et al.* Multicentre collaborative trial evaluation of a method for detection of Hepatitis E virus in pork liver, modified to contain an internal amplification control. *Food Analytical Methods*. 2025;18(5):710-716. doi:10.1007/s12161-024-02753-z.
- D'Ambrosio F, Sezzatini R, Bucciardini R, Maida A, Nisticò A, De Vito E, Ricciardi W, Boccia S, Calabrò GE. Educational interventions and communication strategies to improve HPV immunization uptake: A systematic literature review. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1675946.
- D'Antonio E, Zanfino G, Puzzo C, Capobianco M, Mannella F, De Laurenzi V, Curcio G, Adriani W. Transgenerational epigenetic inheritance of early-life stress from grand-dams through paternal gametes: Impaired social cognition and reduced reactivity to aversive predictors in DAT-HET rats. *Biology*. 2025;14(9). doi:10.3390/biology14091229.
- D'Ugo E, Kallikkattilkuruvila A, Giuseppetti R, Carvajal A, Diouf AM, Tucci M, Magurano F, *et al.* A Sentinel-2-based system to detect and monitor oil spills: Demonstration on 2024 tobago accident. *Remote Sensing*. 2025;17(2). doi:10.3390/rs17020230.
- Dalzini E, Abdul M-E, Le-Marc Y, Cosciani-Cunico E, Monastero P, Caproli A, Losio M-N, *et al.* Modelling the inactivation of dry-adapted *Cronobacter sakazakii* in infant formula during microwave heating. *Food Research International*. 2025;222. doi:10.1016/j.foodres.2025.117711.
- Damiano C, Costanzo S, Marcozzi B, Panzera T, Donfrancesco C, Di Castelnuovo A, Vetrano DL, *et al.* Multimorbidity patterns and mortality in older adults: A two-cohort pooled analysis. *Aging Clinical and Experimental Research*. 2025;37(1). doi:10.1007/s40520-025-03150-0.
- d'Andrea G, De Risio L, Di Lorenzo G, Zoratto F, Pompili E, Nicolò G, Pettorruso M, *et al.* An open-label pilot trial of a five-day, accelerated rTMS protocol in bipolar II depression. *Journal of Affective Disorders*. 2025;369:146-148. doi:10.1016/j.jad.2024.09.159.
- Dattolo A, Sampogna F, Mastroeni S, Fania L, Ciccone D, Abeni D. Health-related quality of life and clinical characteristics of hidradenitis suppurativa in a pediatric population. *Dermatology Reports*. 2025;17(2). doi:10.4081/dr.2024.10086.
- D'Avino A, Milano A, Guilcapi B, Marchesano V, Sagnelli D, Rippa M, Petti L, *et al.* Innovative flexible gold nanoparticle SERS platform fabricated by a self-assembly and rapid approach. *Proceedings of SPIE - The International Society for Optical Engineering*. 2025;13528. doi:10.1117/12.3056458.
- D'Avino A, Milano A, Marchesano V, Guilcapi B, Sagnelli D, Rippa M, Petti L, *et al.* Corrigendum to "Flexible gold nanoparticle SERS tape for rapid, label-free and ultrasensitive detection and differentiation of Shiga toxin variants" (Biosensors and Bioelectronics: X (2025) 27, (S2590137025001232), (10.1016/j.biosx.2025.100696)). *Biosensors and Bioelectronics: X*. 2025;27. doi:10.1016/j.biosx.2025.100704.
- D'Avino A, Milano A, Marchesano V, Guilcapi B, Sagnelli D, Rippa M, Petti L, *et al.* Flexible gold nanoparticle SERS tape for rapid, label-free and ultrasensitive detection and differentiation of Shiga toxin variants. *Biosensors and Bioelectronics: X*. 2025;27. doi:10.1016/j.biosx.2025.100696.
- De Angelis L, Ancona A, Moirano G, Oradini-Alacreu A, Bella A, Fabiani M, Mateo-Urdiales A, *et al.* Case-time series study on the short-term impact of meteorological factors on West Nile Virus incidence in Italy at the local administrative unit level, 2012 to 2021. *Environmental Research*. 2025;264. doi:10.1016/j.envres.2024.120320.
- De Angelis R, Rossi S, Bugani M, Autore A, Lastilla M, Vento R, Piciocchi A, *et al.* Long-term mortality and hospitalisation among Italian veterans deployed to the Balkans: A retrospective longitudinal study based on individual linkage with national health data. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1605457.
- De Battistis F, Djordjevic AB, Saso L, Mantovani A. Constitutive androstane receptor, liver pathophysiology and chemical contaminants: Current evidence and perspectives. *Frontiers in Endocrinology*. 2025;16. doi:10.3389/fendo.2025.1472563.
- De Cosmi V, Cipriani S, Syren M-L, Turolo S, Parazzini F, Reschini M, Agostoni C, *et al.* Peripheral fatty acids and outcome of assisted reproduction. *Nutrition*. 2025;130. doi:10.1016/j.nut.2024.112616.

- De Francesco S, Fagnani C, Medda E, Palmieri S, Mansueto G, De Munari G, Caselli G, Scaini S. Exploring intergenerational links and genetic correlates of metacognitive beliefs: A systematic review and meta-analysis. *Frontiers in Psychiatry*. 2025;16. doi:10.3389/fpsy.2025.1674793.
- De Gregorio C, Valente D, Cristiano W, Carugati F, Prealta M, Ferrario V, Gamba M, *et al.* Singing out of tune: Sexual and developmental differences in the occurrence of nonlinear phenomena in primate songs. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 2025;380(1923). doi:10.1098/rstb.2024.0021.
- De Luca C, Di Daniele A, Marziali S, Picone S, Salvatore M, Folino G, Brancati F, *et al.* Sinus of Valsalva aneurysm is a major feature of FLNA (Filamin A) loss-of-function variants. *JACC: Case Reports*. 2025;30(5). doi:10.1016/j.jaccas.2024.103022.
- De Luca L, Grippo F, D'Errigo P, Burgio A, Rosato S, Giordani B, Duranti G, Baglio G. Observed and expected overall mortality for acute myocardial infarction during the COVID-19 pandemic in Italy: An analysis of nationwide institutional databases. *Frontiers in Cardiovascular Medicine*. 2025;12. doi:10.3389/fcvm.2025.1540783.
- De Marchi L, Oliva M, Nobile M, Carere M, Chiesa LM, Degl'Innocenti D, Intorre L, *et al.* Environmental risks and toxicity of Fipronil and Imidacloprid used in pets ectoparasiticides. *Animals*. 2025;15(11). doi:10.3390/ani15111533.
- De Marco A, Cinque C, Sanna A, Zuena AR, Giuliani A, Thierry B, Cozzolino R. Maternal style and offspring behavior in *Macaca tonkeana*. *International Journal of Primatology*. 2025;46(2):321-342. doi:10.1007/s10764-024-00471-1.
- De Meo M, Siringo M, Vici A, Zeuner A, Gandini O, Gazzaniga P, Nicolazzo C. The ACCEPTance of automation: Refining circulating tumor cells enumeration for improved metastatic colorectal cancer prognosis. *Molecular Oncology*. 2025;19(12):3651-3664. doi:10.1002/1878-0261.70126.
- De Nicolò V, Sinopoli A, Santalucia P, Spinelli MS, Rinaldo D, Bruno V, Napoletano A, Coclite D. Self-reported knowledge, practice, and perceived usefulness of care bundles: A pilot survey among Italian healthcare professionals. *Journal of Hospital Infection*. 2025;166: 99-109. doi:10.1016/j.jhin.2025.08.009.
- De Risio L, Pettorruso M, D'Onofrio A, Vicinelli MC, De Troia C, Boffa M, Borgi M, *et al.* Pathways to connection: Mapping the impact of social connection interventions on depression outcomes – An umbrella review. *Psychiatry Research*. 2025;351. doi:10.1016/j.psychres.2025.116603.
- De Santis A, De Santis L, Rossi F, Gasparini S, Licursi V, Amico VA, Presutti C, *et al.* NSD2 and miRNAs as key regulators of melanoma response to Romidepsin and Interferon- α 2b treatment. *Cancer Medicine*. 2025;14(10). doi:10.1002/cam4.70917.
- De Santis B, Gregori E, Gattabria D, De Giacomo M, Rizzo M, Scialò G, Grieco ME, Debegnach F. Determination of ochratoxin A in meat, meat products, and edible offal by HPLC—A method validation through a collaborative trial. *Mycotoxin Research*. 2025;41(4):631-642. doi:10.1007/s12550-025-00604-2.
- De Santo R, Iacovella N, Iamiceli AL. Supramolecular solvent-based extraction of urinary biomarkers: A sustainable alternative for target analysis, suspect and non-target screening. *Microchemical Journal*. 2025;218. doi:10.1016/j.microc.2025.115506.
- De Silvestro G, Catalano L, Marano G, Piccinini V, Pupella S, Ostuni A, De Angelis V. The Italian registry of therapeutic apheresis in SISTRA: Year of activity 2023. *Transfusion and Apheresis Science*. 2025;64(1). doi:10.1016/j.transci.2024.104037.
- De Vita E, Fantozzi MPT, Petri D, Baglietto L, Tavošchi L. Strengthening and expanding vaccination provision in prisons to promote access to preventive tools and health equity. *Epidemiologia e Prevenzione*. 2025;49(2-3):151-152. doi:10.19191/EP25.2-3.050.
- de With G, Venoso G, Maiorana A, Di Carlo C, Meisenberg O, Guo Q, Tschiersch J, *et al.* Thoron exhalation rate measurement – Findings from a large worldwide intercomparison study. *Radiation Measurements*. 2025;187. doi:10.1016/j.radmeas.2025.107471.
- Decoupes R, Cataldo C, Busani L, Roche M, Teisseire M. Automating updates for scoping reviews on the environmental drivers of human and animal diseases: A comparative analysis of AI methods. *Frontiers in Artificial Intelligence*. 2025;8. doi:10.3389/frai.2025.1526820.
- Degenhardt ÄL, Kunert P, Herzner V, Gill S, Love N, Abuhamed J, Subedi P, *et al.* A response to the Vancouver call for action: Addressing the needs of early career scientists in radiation protection. *Radiation and Environmental Biophysics*. 2025;64(4):581-593. doi:10.1007/s00411-025-01145-z.

- Del Fante C, Masiello F, Zecca M, La Rocca U, Pupella S, De Angelis V. Patient blood management in pediatric and adolescent bone marrow donors: Results from an Italian survey. *Blood Transfusion*. 2025;23(4):295-303. doi:10.2450/BloodTransfus.847.
- Dell'Aquila AM, Wisniewski K, Georgevici A-I, Szabó G, Onorati F, Demal TJ, Biancari F, *et al*. Preoperative mechanical ventilation prior to surgical repair for type A aortic dissection: Incidence, risk, and outcomes. *Journal of Cardiovascular Development and Disease*. 2025;12(7). doi:10.3390/jcdd12070239.
- Dell'Aquila AM, Wisniewski K, Georgevici A-I, Szabó G, Onorati F, Rossetti C, Biancari F, *et al*. Malperfusion syndrome in patients undergoing repair for acute type A aortic dissection: Presentation, mortality, and utility of the Penn classification. *Journal of Thoracic and Cardiovascular Surgery*. 2025;170(3):687-697. doi:10.1016/j.jtcvs.2024.11.003.
- Dellatte E, Abate V, Abballe A, De Filippis SP, De Luca S, Ferri F, De Felip E, *et al*. Human biomonitoring of PCDDs, PCDFs, and PCBs in women living in a Northern Italy industrial area. *Environmental Science and Pollution Research*. 2025;32(16):10392-10405. doi:10.1007/s11356-024-33942-2.
- Delli Colli C, Viglione A, Giuliani A, Branchi I. Anticipating depression trajectories by measuring plasticity and change through symptom network dynamics. *European Psychiatry*. 2025;68(1). doi:10.1192/j.eurpsy.2025.10083.
- Delli Colli C, Viglione A, Poggini S, Cirulli F, Chiarotti F, Giuliani A, Branchi I. A network-based analysis anticipates time to recovery from major depression revealing a plasticity by context interplay. *Translational Psychiatry*. 2025;15(1). doi:10.1038/s41398-025-03246-1.
- De Luca JM, Blasi M, McGee TJ, Jha S, Shen X, Gu S, Bonsignori M, *et al*. Convergence and divergence of B cell responses in two HIV-1 Env immunizations in Rhesus macaques. *Communications Medicine*. 2025;5(1). doi:10.1038/s43856-025-00899-3.
- Demal TJ, Knochenhauer T, Weimann J, Juvonen T, Mäkilallio T, Fiore A, Conradi L, *et al*. Outcome after day- and nighttime surgery for acute type A aortic dissection. *European Journal of Cardio-thoracic Surgery*. 2025;67(6). doi:10.1093/ejcts/ezaf192.
- Demarini DM, Gwinn W, Watkins E, Reisfeld B, Chiu WA, Zeise L, Madia F, *et al*. IARC Workshop on the key characteristics of carcinogens: Assessment of end points for evaluating mechanistic evidence of carcinogenic hazards. *Environmental Health Perspectives*. 2025;133(2). doi:10.1289/EHP15389.
- Demuynek E, Vanhaecke T, Thienpont A, Cappoen D, Van Goethem F, Winkelman LMT, Mertens B, *et al*. Advancing genotoxicity assessment by building a global AOP network. *Environmental and Molecular Mutagenesis*. 2025;66(6-7):341-366. doi:10.1002/em.70022.
- Dentice S, Galazzi A, Chiappinotto S, Kajander-Unkuri S, Grassetti L, Brugnolli A, Palese A. Self-directed learning and competencies as perceived by new graduates before and after the pandemic: A repeated cross-sectional study. *Journal of Nursing Management*. 2025;2025(1). doi:10.1155/jonm/1756024.
- Desideri L, Magni R, Guerreschi M, Bitelli C, Hoogerwerf E-J, Vaccaro C, Giansanti D, *et al*. Need and access to assistive technology in Italy: Results from the rATA survey. *Disability and Rehabilitation: Assistive Technology*. 2025;20(7):2327-2338. doi:10.1080/17483107.2025.2503905.
- Di Antonio G, Vinci GV. Nonlinear correlations underlie linear response and causality. *Physical Review Research*. 2025;7(4). doi:10.1103/vjvt-gdn1.
- Di Carlo C, Maiorana A, Ampollini M, Antignani S, Caprio M, Carpentieri C, Bochicchio F, *et al*. Measuring the real radon exhalation from walls in buildings. *Measurement: Journal of the International Measurement Confederation*. 2025;242. doi:10.1016/j.measurement.2024.116061.
- Di Dio C, Porrazzo A, De Gregorio A, Morciano P, Tabocchini MA, Cenci G, Cipressa F, Esposito G. In vivo study of the radioadaptive response and low-dose hyper-radiosensitivity for chromosome breaks induced by gamma rays in wild-type *Drosophila melanogaster* larval neuroblasts: Dose and dose rate dependence. *PLOS ONE*. 2025;20(6). doi:10.1371/journal.pone.0325608.
- Di Giacomo S, Bresciano L, Ferrara L, Pederiva S, Zotti CM, D'Ancona FP, Alessi R, *et al*. Assessment of the implementation of the Italian National action plan to combat antimicrobial resistance (PNCAR) 2017–2021 through SPiNCAR-1: Results for the Piedmont Region, 2022. *Antimicrobial Resistance and Infection Control*. 2025;14(1). doi:10.1186/s13756-025-01604-8.
- Di Giosaffatte N, Daniele P, Petrizzelli F, Iacovino C, Canciani C, Garau ML, De Luca A, *et al*. Subtype distribution, clinical presentation, and molecular spectrum of neurofibromatosis type 1-associated breast cancer. *Breast*. 2025;84. doi:10.1016/j.breast.2025.104618.

- Di Maggio E, Petrone D, Del Manso M, Riccardo F, Bella A, Brusaferro S, Pezzotti P. Was severe SARS-CoV-2 substantially spreading in Northern Italy before its first detection in February 2020? An evaluation of pneumonia-associated hospitalization trends from September 2014 to February 2020. *European Journal of Public Health*. 2025;35(5):1050-1057. doi:10.1093/eurpub/ckaf137.
- Di Mari F, Rocci R, De Angelis R, Rossi S, Tagliabue G. A model-based approach to estimate the cure fraction in the population of colon cancer patients. *Statistical Methods and Applications*. 2025;34(5):1057-1075. doi:10.1007/s10260-025-00818-9.
- Di Martino B, Di Profio F, Capucchio MT, Prandi I, Robetto S, Quaranta G, Sarchese V, *et al.* Detection and genomic characterization of novel Mammarenavirus in European hedgehogs, Italy. *Emerging Infectious Diseases*. 2025;31(1):155-159. doi:10.3201/eid3101.241084.
- Di Prete A, Caruso GM, Del Grosso D, Giacomini E, Picuno S, Trappetti G, Addressi E, *et al.* Maternal responsiveness to child receptiveness and fullness cues from 8 to 24 months of age and their relation with complementary feeding approach and language proficiency. *Appetite*. 2025;214. doi:10.1016/j.appet.2025.108224.
- Di Santo R, Niccolini B, Rosa E, De Spirito M, Pizzolante F, Pitocco D, Ciasca G, *et al.* Artificial intelligence for liquid biopsy: FTIR spectroscopy and autoencoder-based detection of cancer biomarkers in extracellular vesicles. *Cells*. 2025;14(23). doi:10.3390/cells14231909.
- Di Stefano V, Preziosi J, Zambri F, Tambascia G, Scardetta P, Decenti EC, Giusti A, *et al.* Healthcare professionals' perceptions of caesarean section decision-making and the implementation of Audit&Feedback strategies in the Calabria Region: A qualitative study. *Ann Ist Super Sanita*. 2025;61(3):215-225. doi:10.4415/ANN_25_03_08.
- Di Trana A, La Maida N, de la Rosa G, Di Giorgi A, Graziano S, Aldhaehri K, Pichini S, *et al.* Early and mid-term disposition of α -PVP and its unknown metabolites in urine and oral fluid through a multi-analytical hyphenated approach following a single non-controlled administration to healthy volunteers. *AAPS Journal*. 2025;27(1). doi:10.1208/s12248-024-01012-7.
- Di Veroli JN, Capruzzi S, Scognamiglio U, Rossi L. The 15-year trend in adherence to dietary recommendations and ultra-processed food consumption in Italy. *Frontiers in Nutrition*. 2025;12. doi:10.3389/fnut.2025.1623827.
- Di Vito V, Veroi G, Rizza L, Rota F, Baiocchini A, Macciomei MC, Baldelli R, *et al.* Ovarian neuroendocrine neoplasms: Challenges and future perspectives. *Journal of Clinical Medicine*. 2025;14(24). doi:10.3390/jcm14248833.
- Díaz Méndez AB, Di Giuliani M, Sacconi A, Tremante E, Lulli V, Di Martile M, Rizzo MG, *et al.* Androgen receptor inhibition sensitizes glioblastoma stem cells to temozolomide by the miR-1/miR-26a-1/miR-487b signature mediated WT1 and FOXA1 silencing. *Cell Death Discovery*. 2025;11(1). doi:10.1038/s41420-025-02517-6.
- Dickson S, Tracey I, Cirulli F, Kas M, Konradsson-Geuken Å, Rostasy K, Quoidbach V, *et al.* Prioritizing brain health in youth: Bringing neuroscience to society and informing policy, lessons learnt from the European Brain Council Expert meeting held at the Federation of European Neuroscience Societies Forum 2024. *European Journal of Neuroscience*. 2025;61(2). doi:10.1111/ejn.16680.
- Díez-Valcarce I, Pisano-González MM, García CF, Linstrom J, Zaletel J, Giacomozzi C, Lana A, *et al.* Multidisciplinary lifestyle treatment for type 2 diabetes in 12 European countries: Protocol for a quasi-experimental study. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-025-22246-w.
- D'Intino E, Chirico D, Fabiano MG, Buccini L, Passeri D, Marra F, Marianecchi C, *et al.* Unveiling the differences: A comprehensive multi-technique analysis of hard and soft nanoparticles. *International Journal of Pharmaceutics*. 2025;676. doi:10.1016/j.ijpharm.2025.125604.
- Dipaola MG, Fortuna C, Severini F, Bevivino G, Luca MD, Nolan T, Lombardo F, *et al.* Temporal and spatial profiling of *Aedes albopictus* immune responses to chikungunya virus infection. *PLOS Neglected Tropical Diseases*. 2025;2025. doi:10.1371/journal.pntd.0013588.
- Dipol T, Fortuna A, Morsilli O, Zecca V, Singh T, Palombelli G, Chiodini I, *et al.* Mild chronic post-natal pain induces endocrine and metabolic alterations associated to enlargement in pituitary glands size in adult CD-1 male mice. *Endocrine*. 2025;89(3):698-703. doi:10.1007/s12020-025-04297-6.
- Dipol T, Volpicella M, Loizzo S, Francavilla AL, Sgobba MN, Guerra L, Pierri CL, *et al.* Apoptosis-inducing factor (AIF), dihydrolipoamide dehydrogenase (DLD), glutathione disulfide reductase (GSR), and thioredoxin reductase (TrxR) in cancer and neurological disorders: Structural insights, redox regulation, and therapeutic potential. *International Journal of Biological Macromolecules*. 2025;319. doi:10.1016/j.ijbiomac.2025.144791.

- Do Rêgo AGO, Maccari S, Marano G, Stati T, Saliola M, Giorgi M, Pellegrini M, *et al.* The rewiring of cAMP/cGMP and LDH signalling drives cardiac hypertrophy in Pde5a^{-/-} mice. *Life Science Alliance*. 2025;8(10). doi:10.26508/lsa.202403094.
- Dogbey G, Unim B, Kwamena AR, Ahiabor GC, Kisiel MA, Zhou X, Asare-Dompreh K, *et al.* Assessing the knowledge and experience of healthcare workers in zoonoses and the One Health approach: A cross-sectional study in Ghana. *Environmental Health Insights*. 2025;19. doi:10.1177/11786302251339881.
- Donati S, Maraschini A. Why routine data alone aren't enough to address indirect maternal mortality. *Paediatric and Perinatal Epidemiology*. 2025;39(6);540-542. doi:10.1111/ppe.70056.
- Donato F, Rota M, Ceretti E, Viviana Viola GC, Marullo M, Zani D, Lorenzetti S, Montano L. Intensity and type of physical activity and semen quality in healthy young men. *Fertility and Sterility*. 2025;123(1):88-96. doi:10.1016/j.fertnstert.2024.08.323.
- Donini Lm, Bes-Rastrollo M, Carruba M, Estruch R, Ghiselli A, Lamuela Raventos Rm, Lenzi A, *et al.* Staple principles for the definition of front-of-pack nutritional labels. *Nutrition, Metabolism and Cardiovascular Diseases*. 2025;35(4). doi:10.1016/j.numecd.2024.103839.
- Dossena C, Bergamaschi L, Rossignoli F, Licata AG, Gasparini P, Venturini LV, De Cecco L, *et al.* Distinct gut microbiota composition in pediatric patients with central nervous system (CNS) tumors: A comparative study. *Neuro-Oncology Advances*. 2025;7(1). doi:10.1093/oaajnl/vdaf042.
- Drews SJ, Baroti-Toth K, Cheng A, Erikstrup C, Gallian P, Grubešić D, Lieshout-Krikke R, *et al.* An international survey of blood operator human T-cell lymphotropic virus-1/2 testing practices. *Transfusion*. 2025;65(12):2433-2436. doi:10.1111/trf.18464.
- D'Ugo E, Mukherjee A, Resitano M, Giuseppetti R, Fortini D, Bruna Matturro Chirico M, Magurano F, *et al.* Fishing out microorganisms for bioremediation using metagenomics: Isolation and whole-genome sequencing of the metabolically versatile *Rhodococcus erythropolis* LP27217 strain from oil spill lake. *Journal of Hazardous Materials*. 2025;496. doi:10.1016/j.jhazmat.2025.139463.
- Dupouy-Camet J, Bruschi F, Pozio E. Letter to the editor about "Pediatric trichinosis: A case report". *International Journal of Surgery Case Reports*. 2025;126. doi:10.1016/j.ijscr.2024.110731.
- Dvorzhak A, Ugolini R, Venoso G, Leonardi F, Michalik B, Real A, Popic JM, *et al.* Overview of naturally occurring radioactive materials (NORM) in mineral processing industries and consideration of ionising radiation in life cycle assessment – Part I. NORM inventory. *Radiation and Environmental Biophysics*. 2025;64(4):611-627. doi:10.1007/s00411-025-01144-0.
- Ekhart C, Wiarda SHP, van de Koppel S, Skalli S, Alghamdi W, Menniti-Ippolito F, van Hunsel F, *et al.* Qualitative interviews with stakeholders in Herbal Pharmacovigilance and recommendations for best practices to be applied worldwide. *Drug Safety*. 2025;48(1):75-86. doi:10.1007/s40264-024-01480-y.
- Elrasheed A, Yousif A, Al Memari S, Venayikot M, Pichini S, Pellegrini M, Keller T, Elrashid W. Emerging trends in new psychoactive substance use: Case studies from the National Rehabilitation Center, United Arab Emirates. *Minerva Obstetrics and Gynecology*. 2025;49(1):47-52. doi:10.23736/S0393-0564.24.00001-0.
- Errichiello G, Tengattini F, Gioacchini S, De Leva MF, Graziano S, Bruno G, Varone A, *et al.* Subacute sclerosing panencephalitis as a re-emerging condition due to low vaccination coverage: A case-series. *Italian Journal of Pediatrics*. 2025;51(1). doi:10.1186/s13052-025-02026-3.
- Escobar Marcillo DI, Privitera GF, Rollo F, Latini A, Giuliani E, Benevolo M, Donà MG, *et al.* Microbiome analysis in individuals with human papillomavirus oral infection. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-024-81607-4.
- Espinosa JC, Fernández-Borges N, Marín-Moreno A, Canoyra S, Aguilar-Calvo P, Pintado B, Torres JM, *et al.* Strain-dependent susceptibility to prion infection encoded by Arg171 and Lys176 sheep prion protein polymorphic variants. *Journal of Infectious Diseases*. 2025;232(1):e89-e98. doi:10.1093/infdis/jiaf170.
- Esposito G, Sanchez M, Fratini F, Iorio E, Bertuccini L, Cecchetti S, Tirelli V, Giansanti D. Embedding AI ethics in technical training: A multi-stakeholder pilot module emphasizing co-design and interdisciplinary collaboration at Rome Technopole. *Education Sciences*. 2025;15(10). doi:10.3390/educsci15101416.
- Etna MP, Fuoco C, Severa M, Ricci D, Sinigaglia A, Lucca C, Coccia EM, *et al.* A biomimetic model composed of injectable 3D muscle-like tissue, stromal and immune cells for recapitulating the rapid immune signature predictive of mRNA vaccine immunogenicity. *Frontiers in Immunology*. 2025;16. doi:10.3389/fimmu.2025.1651095.

- Fabbro E, Lamichhane U, Sudbrak R, Ogilvie L, Vitiello A, Zovi A, Sabbatucci M. Investment gaps in antimicrobial resistance research & development: Trends in Europe, 2017–2021. *European Journal of Health Economics*. 2025;26(9):1597-1611. doi:10.1007/s10198-025-01796-1.
- Facchini M, De Marco MA, Piacentini S, Di Martino A, Gruber CEM, Cotti C, Puzelli S, *et al.* Divergent Avian Influenza H10 viruses from sympatric waterbird species in Italy: Zoonotic potential assessment by molecular markers. *Microorganisms*. 2025;13(11). doi:10.3390/microorganisms13112575.
- Fagnani C, Toccaceli V, Tenti M, Medda E, Ferri M, Raffaelli W. Psycho-socio-behavioural substrates of non-cancer chronic pain: A twin study in Italian adults. *Journal of Pain Research*. 2025;18:5429-5440. doi:10.2147/JPR.S530951.
- Falcucci S, Tait S, Chiantore MV, Ciccaglione AR, Amici C, Di Bonito P, Accardi L. Transcriptome analysis of HPV16-positive cells expressing intrabodies targeting E6 and E7 oncoproteins to unravel intrabody antitumor activity. *Journal of Translational Medicine*. 2025;23(1). doi:10.1186/s12967-025-07197-5.
- Fappani C, Gori M, Bianchi S, Tieghi L, Colzani D, Senatore S, Amendola A, *et al.* From multiple measles genotype D8 introductions in 2024 to sustained B3 local transmission in and around Milan, northern Italy, January to April 2025. *Eurosurveillance*. 2025;30(20). doi:10.2807/1560-7917.ES.2025.30.20.2500315.
- Farina E, Iamiceli AL, Oreggia M, Gandini M, Crosetto L, Abate V, Bena A, *et al.* Biomonitoring of hydroxylated polycyclic aromatic hydrocarbon metabolites in workers at a waste-to-energy incinerator, Turin, Italy. *International Journal of Environmental Research and Public Health*. 2025;22(1). doi:10.3390/ijerph22010077.
- Fatta LM, Laugeson EA, Bianchi D, Laghi F, Scattoni ML. Program for the education and enrichment of relational skills (PEERS®) for Italy: A randomized controlled trial of a social skills intervention for autistic adolescents. *Journal of Autism and Developmental Disorders*. 2025;55(1):202-220. doi:10.1007/s10803-023-06211-3.
- Fattori S, Jona Lasinio G, Alfò M, Onder G, Minelli G. Assessing the impact of chronic respiratory diseases on COVID-19 in-hospital mortality in the Italian population: A comparative study. *European Journal of Public Health*. 2025;35(5):1058-1063. doi:10.1093/eurpub/ckaf149.
- Fausti E, Bonacorsi A, Cesta N, Giordano C, Barnini S, Marchetti M, Di Luca M, *et al.* Characterisation of four novel bacteriophages targeting carbapenem-resistant *Klebsiella pneumoniae* and their lytic activity alone and in combination. *Current Research in Microbial Sciences*. 2025;9. doi:10.1016/j.crmicr.2025.100509.
- Fazi S, Cabassi J, Capecechiacci F, Callieri C, Eckert EM, Amalfitano S, Paternoster M, *et al.* Biogeochemical and microbial community structure differently modulates CO₂ and CH₄ dynamics in two adjacent volcanic lakes (Monticchio, Italy). *Ecohydrology and Hydrobiology*. 2025;25(1):42-53. doi:10.1016/j.ecohyd.2023.12.003.
- Fazio A, Leonardi R, Aliotta L, Lo Bianco M, Anastasio G, Messina G, David E, *et al.* Genetic, clinical and neuroradiological spectrum of MED-related disorders: An updated review. *Genes*. 2025;16(12). doi:10.3390/genes16121444.
- Fazio N, La Salvia A. Newly emerging tyrosine kinase inhibitors for the treatment of neuroendocrine neoplasms. *Expert Opinion on Emerging Drugs*. 2025;30(2):149-157. doi:10.1080/14728214.2025.2508994.
- Fedele G, Schiavoni I, Trentini F, Leone P, Olivetta E, Fiore S, Stefanelli P, *et al.* Six-month follow-up of antibody response to bivalent mRNA SARS-CoV-2 vaccine booster in healthcare workers. *Vaccine*. 2025;62. doi:10.1016/j.vaccine.2025.127524.
- Federico M. The potential of extracellular vesicle-mediated spread of self-amplifying RNA and a way to mitigate it. *International Journal of Molecular Sciences*. 2025;26(11). doi:10.3390/ijms26115118.
- Feltrin G, Di Ciaccio P. At the heart of life: The Italian National Transplant Centre's enduring commitment. *Ann Ist Super Sanita*. 2025;61(4):237-238. doi:10.4415/ANN_25_04_01.
- Ferheen I, Cimarelli L, Marcheggiani S, Klümper U, Spurio R. Plastic-mediated transformation: A new route to navigate plasmid-borne antibiotic resistance genes. *Science of the Total Environment*. 2025;976. doi:10.1016/j.scitotenv.2025.179125.
- Ferheen I, Spurio R, Marcheggiani S. Protocol for sampling multidrug-resistant bacteria using artificial plastic substrates in aquatic ecosystems. *STAR Protocols*. 2025;6(2). doi:10.1016/j.xpro.2025.103822.
- Fernicola F, Decenti EC, Arienti F, Colacurci N, Trojano V, Vaccari S, Ornaghi S, *et al.* Attitudes, knowledge, and practices regarding cytomegalovirus infection in pregnancy among obstetricians and midwives before and after the publication of the updated Italian clinical guideline on prenatal care for uncomplicated pregnancy: A nationwide online survey. *European Journal of Obstetrics and Gynecology and Reproductive Biology*. 2025;313. doi:10.1016/j.ejogrb.2025.114589.

- Ferrari FA, Ciminello E, Ceccaroni M, Pavone M, Di Donato V, Perniola G, Santangelo G, *et al.* No increased risk of autoimmune diseases following HPV vaccination: A systematic review and meta-analysis. *Vaccines*. 2025;13(4). doi:10.3390/vaccines13040391.
- Ferrazzi G, Micai M, Fulceri F, Pingani L, Ghirotto L, Scattoni ML, Galeazzi GM. From policy to practice: A Delphi protocol on life projects for autistic adults. *International Journal of Qualitative Methods*. 2025;24. doi:10.1177/16094069251357766.
- Ferri G, Carannante A, Iannetti M, Schiattone S, Ciurli P, Mogavero F, Giustini M, *et al.* Confusion assessment protocol: Italian cross-cultural adaptation and validation. *Brain Sciences*. 2025;15(10). doi:10.3390/brainsci15101102.
- Fertitta V, Escobar Marcillo DI, Privitera GF, Del Cornò M, Guglielmi V, Agnes A, Conti L, *et al.* Oral viral DNA profiling in obesity, adenomatous polyposis, and colorectal cancer identifies Human β -Papillomavirus types as potentially sex-related and modifiable cancer risk indicators. *Cancers*. 2025;17(18). doi:10.3390/cancers17183024.
- Fiammenghi C, Ceretti E, Covolo L, Pelizzari N, Taranto MA, Penna L, Gelatti U, *et al.* A multi-disciplinary exploration of the press review of the Italian National Institute of Health during the COVID-19 pandemic. *Human Vaccines and Immunotherapeutics*. 2025;21(1). doi:10.1080/21645515.2025.2567680.
- Fiadriano S, Bizzotto A, Guzzetta G, Merler S, Baldo F, Valdano E, Gozzi N, *et al.* Collaborative forecasting of influenza-like illness in Italy: The Influcast experience. *Epidemics*. 2025;50. doi:10.1016/j.epidem.2025.100819.
- Figuerola Y, Stoletniy C, Michelacci V, Montero D, Silvera J, de la Escalera GM, Umpiérrez A, *et al.* STEC in the natural environment of Uruguay: Genomic surveillance and environmental circulation in the framework of One Health. *Microbiology Spectrum*. 2025;14(1):1-16. doi:10.1128/spectrum.03153-25.
- Fioravanti R, Muzzioli L, Maurel E, Palma G, Calabrese G, Angioni A, Donini LM, *et al.* Bioaccumulation and biomagnification of mercury along the seafood chain in Europe: A systematic review. *Foods*. 2025;14(21). doi:10.3390/foods14213752.
- Fiore A, Tozzi M, Rinzo P, Macchia D, Spada M, Fabbri A, Bracci L. Isolation and phenotype analysis of tissue-resident lymphocytes from mouse colon. *Methods in Cell Biology*. 2025;199:187-199. doi:10.1016/bs.mcb.2025.02.011.
- Fiori ME. Gut feeling: Extracellular vesicles dictate liver's susceptibility to colorectal cancer metastasis. *Gut*. 2025. doi:10.1136/gutjnl-2025-336108.
- Florica Lupulescu A, Dicu T, Tenter A, Dobrei G, Moldovan MC, Burghel B, Cucos AL, *et al.* Exploring the long-term balance between radon mitigation systems and human behaviour in Romanian houses. *Science of the Total Environment*. 2025;991. doi:10.1016/j.scitotenv.2025.179962.
- Floridia M, Buonsenso D, Macculi L, Weimer LE, Giuliano M, Pricci F, Onder G, *et al.* Adolescents with persistent symptoms following acute SARS-CoV-2 infection (Long-COVID): Symptom profile, clustering and follow-up symptom evaluation. *Children*. 2025;12(1). doi:10.3390/children12010028.
- Floridia M, Weimer LE, Forte AL, Palange P, Ciardi MR, Rovere-Querini P, Onder G, *et al.* Administration of antivirals, IL-6 inhibitors, monoclonal neutralizing antibodies and systemic corticosteroids in acute SARS-CoV-2 infection do not reduce the subsequent burden of Long-COVID symptoms. *Infezioni in Medicina*. 2025;33(4):391-403. doi:10.53854/liim-3304-4.
- Floridia M, Weimer LE, Rovere Querini P, Bonfanti P, Lacedonia D, Figliozzi S, Onder G, *et al.* Persistence of symptoms in long-COVID: Follow-up trajectories of 30 symptoms in 755 patients from a national multicenter study from Italy. *Internal and Emergency Medicine*. 2025;20(7):2041-2055. doi:10.1007/s11739-025-04051-w.
- Fonzi L, Pallagrosi M, Carlone C, Picardi A. Discrimination between schizophrenia and other psychotic conditions by clinician's difficulty in attunement: A reappraisal of the Praecox Feeling concept. *Frontiers in Psychology*. 2025;16. doi:10.3389/fpsyg.2025.1534377.
- Formenti B, Benoni R, Testa J, Bertoli G, Strofollini G, Pizzi MG, Matteelli A, *et al.* Navigating healthcare pathways: Cascade of prevention and care for chronic viral hepatitis in asylum seekers and refugees. A multicenter analysis in Northern Italy. *Journal of Migration and Health*. 2025;11. doi:10.1016/j.jmh.2025.100307.
- Forni S, Arzilli G, Gemmi F, Comelli A, Del Castillo G, Villa S, D'ancona F, *et al.* Letter to the editor: Towards effective implementation of hospital-onset bacteraemia and fungaemia as a quality metric. *Eurosurveillance*. 2025;30(38). doi:10.2807/1560-7917.ES.2025.30.38.2500659.

- Forte G, Battagliola ET, Malvasi M, Ruberti N, Daniele P, Mantovani A, Bocca B, Pacella E. Trace element concentration in the blood and aqueous humor of subjects with eye cataract. *Biological Trace Element Research*. 2025;203(2):684-693. doi:10.1007/s12011-024-04207-3.
- Forte G, Rapisarda V, Ruggieri F, Battistini B, Bauleo L, Filetti V, Iavicoli I, *et al.* Human exposure to metals and potential human health risk in a volcanic environment in Italy. *Toxics*. 2025;13(12). doi:10.3390/toxics13121080.
- Forte J, D'Intino E, Cappiello F, Vetrano C, Fabiano MG, Viscido A, Marianecci C, *et al.* Optimization of aerosolizable and bioactive essential oils-based nanoemulsions: Physico-chemical and biological characterization. *Colloids and Surfaces B: Biointerfaces*. 2025;253. doi:10.1016/j.colsurfb.2025.114733.
- Fotakis EA, Di Maggio E, Del Manso M, Mateo-Urdiales A, Petrone D, Fabiani M, Ballarin D, *et al.* Human neuroinvasive Toscana virus infections in Italy from 2016 to 2023: Increased incidence in 2022 and 2023. *Eurosurveillance*. 2025;30(2). doi:10.2807/1560-7917.ES.2025.30.2.2400203.
- Fotakis EA, Grau-Pujol B, Kelly D, Leite PP, Martins JV, Alves MJ, Ramalli L, *et al.* Description and comparison of national surveillance systems and response measures for Aedes-borne diseases in France, Italy and Portugal: A benchmarking study, 2023. *Eurosurveillance*. 2025;30(15). doi:10.2807/1560-7917.ES.2025.30.15.2400515.
- Fragassa C, Migani S, Awais M, Jucja O, Mujtaba Z, Santulli C. Use of biomass-derived materials for their potential addition to car bumpers: A critical review. *Polymers*. 2025;17(17). doi:10.3390/polym17172402.
- Fraser AG, Buccheri S, Byrne RA, Kjaersgaard-Andersen P, James S, Jüni P, Nelissen RGHH, *et al.* Recommended methodologies for clinical investigations of high-risk medical devices—Conclusions from the European Union CORE-MD project. *The Lancet Regional Health – Europe*. 2025;58. doi:10.1016/j.lanepe.2025.101460.
- Frey A-L, Leigh S, Toro C, Bufill CP, McCay C, Trupec TP, Hoogendoorn P, *et al.* Preferences and willingness to pay for health app assessments among health care stakeholders: Discrete choice experiment. *JMIR mHealth and uHealth*. 2025;13. doi:10.2196/57474.
- Frey A-L, Matei D, Phillips B, McCabe A, Fuller R, Laibarra B, Hoogendoorn P, *et al.* Testing and iterative improvement of the CEN ISO/TS 82304-2 health app quality assessment: Pilot interrater reliability study. *JMIR Formative Research*. 2025;9. doi:10.2196/64565.
- Friesema IHM, Waap H, Swart A, Györke A, Le Roux D, Evangelista FMD, Opsteegh M, *et al.* Systematic review and modelling of *Toxoplasma gondii* seroprevalence in humans, Europe, 2000 to 2021. *Eurosurveillance*. 2025;30(34). doi:10.2807/1560-7917.ES.2025.30.34.2500069.
- Fulceri F, Caruso A, Micai M, Gila L, Tancredi R, Fatta LM, Scattoni ML, *et al.* Autism diagnosis in children and adolescents: A systematic review and meta-analysis of test accuracy. *Neuroscience and Biobehavioral Reviews*. 2025;173. doi:10.1016/j.neubiorev.2025.106164.
- Furia G, Vinci A, Heidar Alizadeh A, Sapienza M, Savoia C, Tarsitano MG, Tirelli GC, *et al.* Factors associated with satisfaction of Italian physicians: A cross-sectional study in Rome. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1584483.
- Gagliardi MC, Felicetti F, Bertuccini L, Ortona E, Bolego C, Fecchi K. IL-1 β upregulates PD-L1 in small extracellular vesicle of endothelial origin. *FASEB Journal*. 2025;39(22). doi:10.1096/fj.202502508R.
- Gagliardi RV, Andenna C. Exploring the influencing factors of surface ozone variability by explainable machine learning: A case study in the Basilicata Region (Southern Italy). *Atmosphere*. 2025;16(5). doi:10.3390/atmos16050491.
- Galati G, Usai A, Vignolo G, Macri S, Rizzo A. A game of social forces: Integrating non-cooperative game theory with social force model for a socially-acceptable mobile robot navigation. *Journal of Intelligent and Robotic Systems: Theory and Applications*. 2025;111(4). doi:10.1007/s10846-025-02318-0.
- Galli C, Regine V, Caraglia A, Centrone F, Chironna M, Cruschelli G, Suligoì B, *et al.* Outpatient testing for HIV in Italy, 2018–2023—Preliminary data. *Microorganisms*. 2025;13(3). doi:10.3390/microorganisms13030655.
- Gallinaro A, Falce C, Pirillo MF, Borghi M, Grasso F, Canitano A, Cara A, *et al.* Simian immunodeficiency virus-based virus-like particles are an efficient tool to induce persistent anti-SARS-CoV-2 spike neutralizing antibodies and specific T cells in mice. *Vaccines*. 2025;13(3). doi:10.3390/vaccines13030216.
- Galvani L, Zappi A, Pusceddu S, Gelsomino F, La Salvia A, Oldani S, Campana D, *et al.* Capecitabine and temozolomide or temozolomide alone in patients with atypical carcinoids. *Endocrine*. 2025;88(2):660-667. doi:10.1007/s12020-025-04171-5.

- Gambardella AR, Tirelli V, Andreone S, Mancini J, Mattei F, Schiavoni G. Combined in vitro differentiation and cell sorting-based isolation of highly pure mouse bone marrow-derived basophils. *Methods in Cell Biology*. 2025;196. doi:193-208 10.1016/bs.mcb.2025.01.009.
- Gan T, Succar R, Macri S, Marín MR, Porfiri M. Causal discovery from city data, where urban scaling meets information theory. *Cities*. 2025;162. doi:10.1016/j.cities.2025.105980.
- Gan T, Succar R, Macri S, Porfiri M. Investigating the link between impulsivity and obesity through urban scaling laws. *PLOS Complex Systems*. 2025;2(5). doi:10.1371/journal.pcsy.0000046.
- Garbuglia AR, Kojá G, Villano U, Minosse C, Equestre M, Pauciullo S, Bruni R, *et al.* HEV-3 subtypes and strains detected in cases of HEV infection in central Italy from 2015 to 2023. *Infection*. 2025;53(2):523-534. doi:10.1007/s15010-024-02348-0.
- Garcia Quesada M, Peterson ME, Bennett JC, Hayford K, Zeger SL, Yang Y, Nakamura T, *et al.* Serotype distribution of remaining invasive pneumococcal disease after extensive use of ten-valent and 13-valent pneumococcal conjugate vaccines (the PSERENADE project): A global surveillance analysis. *The Lancet Infectious Diseases*. 2025;25(4):445-456. doi:10.1016/S1473-3099(24)00588-7.
- García-Fernández A, Artuso I, Marotta F, Di Romualdo R, Arena S, De Marchis ML, Villa L, *et al.* WGS-based surveillance for *Campylobacter* spp. in human infections and chicken meat production in Italy (2023). *BMC Microbiology*. 2025;25(1). doi:10.1186/s12866-025-04272-1.
- Gardi S, Bonvicini I, Costa M, Orsini F, Polci LM, Sarti G. Can lead content be measured by handheld X-ray fluorescence spectroscopy to meet REACH regulation? *Journal of Vinyl and Additive Technology*. 2025;31(4):944-956. doi:10.1002/vnl.22220.
- Gasparini S, Licursi V, Rinaldi A, Ricceri L, Scattoni ML, Presutti C, Mannironi C. Analysis of microRNA-transcript regulatory networks in the hippocampus of the BTBR mouse model of autism. *Frontiers in Cellular Neuroscience*. 2025;19. doi:10.3389/fncel.2025.1676316.
- Gastaldi S, Accorgi D, D'Ancona F. Tools and strategies for monitoring hospital environmental hygiene services. *Journal of Hospital Infection*. 2025;159:52-61. doi:10.1016/j.jhin.2025.01.011.
- Gastaldi S, Tartari E, Satta G, Allegranzi B. Advancing infection prevention and control through artificial intelligence: A scoping review of applications, barriers, and a decision-support checklist. *Antimicrobial Stewardship and Healthcare Epidemiology*. 2025;5(1). doi:10.1017/ash.2025.10191.
- Gatta G, Luttmann S, Trama A, Rossi S, Galceran J, Innos K, Capocaccia R, *et al.* Epithelial head and neck cancer survival in Europe: Geographical variation, time trends and long term survival. *European Journal of Cancer*. 2025;229. doi:10.1016/j.ejca.2025.115692.
- Geiss O, Bianchi I, El Hadri H, Ponti J, Brassinne F, Wouters C, Barrero-Moreno J, *et al.* Particle size analysis of iron hydroxide adipate tartrate (IHAT) in a food supplement: Interlaboratory testing of a dynamic light scattering method. *Journal of Food Composition and Analysis*. 2025;137. doi:10.1016/j.jfca.2024.106866.
- Gemma S, Multari G, Gallo FR. An high performance thin layer chromatography (HPTLC) validated method for the determination of Ephedrine alkaloids in multi-plant formulations. *Journal of Chromatographic Science*. 2025;63(4). doi:10.1093/chromsci/bmaf020.
- Gemma S, Multari G, Turco L, Gallo FR. A densitometric HPTLC method for the simultaneous quali-quantitative determination of rosavin and salidroside in *Rhodiola rosea* L. based commercial products: A quick screening by HPTLC-based fingerprint and antioxidant evaluation. *Journal of Liquid Chromatography and Related Technologies*. 2025;48(11-15):282-293. doi:10.1080/10826076.2025.2462263.
- Gennarini M, Canese R, Capuani S, Miceli V, Tomao F, Palaia I, Manganaro L, *et al.* Multi-model quantitative MRI of uterine cancers in precision medicine's era—A narrative review. *Insights into Imaging*. 2025;16(1). doi:10.1186/s13244-025-01965-z.
- Genovese G, Rizzo CE, Mistretta A, Leonforte F, Squeri R, Signorelli C, Genovese C. Multiple Chemical Sensitivity: An Italian prevalence multicentric survey. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1685040.
- Gherman CM, Balea A, Györke A, Kalmár Z, Ionică AM, Villena I, Cozma, V. Prevalence and *Toxoplasma gondii* genotypes circulating in five wild corvid species from Romania. *Pathogens*. 2025;14(6). doi:10.3390/pathogens14060572.
- Ghizzani V, Ascione A, Gonnella F, Massolini G, Luciani F. Exploring imaged capillary isoelectric focusing parameters for enhanced charge variants quality control. *Frontiers in Chemistry*. 2025;13. doi:10.3389/fchem.2025.1536222.

- Ghizzani V, Gonnella F, Gaggioli A, Carocci A, Luciani F, Ascione A. Development and validation of an optimized and horizontal imaged capillary isoelectric focusing method for mAbs charge heterogeneity analysis. *European Journal of Pharmaceutical Sciences*. 2025;214. doi:10.1016/j.ejps.2025.107297.
- Giannelli T, Ladogana A, Tiple D, Vaianella L, Poleggi A, Ruta G, Introna A, *et al*. Clinical phenotype associated with A118V mutation of PRPN gene. *Journal of Neurology*. 2025;272(9). doi:10.1007/s00415-025-13397-2.
- Giansanti D. Advancements and impacts of assistive technologies, robotics, and automated machines in healthcare: Insights from an editorial initiative of exploration. *Healthcare (Switzerland)*. 2025;13(10). doi:10.3390/healthcare13101121.
- Giansanti D. Bridging neurobiology and artificial intelligence: A narrative review of reviews on advances in cochlear and auditory neuroprostheses for hearing restoration. *Biology*. 2025;14(9). doi:10.3390/biology14091309.
- Giansanti D. Empowering independence: The role of assistive technologies in enhancing quality of life. *Technologies*. 2025;13(9). doi:10.3390/technologies13090408.
- Giansanti D. Revolutionizing medical imaging: The transformative role of artificial intelligence in diagnostics and treatment. *Diagnostics*. 2025;15(12). doi:10.3390/diagnostics15121557.
- Giansanti D. Smartphone addiction in youth: A narrative review of systematic evidence and emerging strategies. *Psychiatry International*. 2025;6(4). doi:10.3390/psychiatryint6040118.
- Giansanti D. The future of healthcare is digital: Unlocking the potential of mobile health and e-health solutions. *Healthcare (Switzerland)*. 2025;13(7). doi:10.3390/healthcare13070802.
- Giansanti D, Carico E, Lastrucci A, Giarnieri E. Surveying the digital cytology workflow in Italy: An initial report on AI integration across key professional roles. *Healthcare (Switzerland)*. 2025;13(8). doi:10.3390/healthcare13080903.
- Giansanti D, Costantini G. Artificial intelligence in public health: Bridging today's trends with tomorrow's possibilities. *Bioengineering*. 2025;12(6). doi:10.3390/bioengineering12060559.
- Giansanti D, Lastrucci A, Pirrera A, Villani S, Carico E, Giarnieri E. AI in cervical cancer cytology diagnostics: A narrative review of cutting-edge studies. *Bioengineering*. 2025;12(7). doi:10.3390/bioengineering12070769.
- Giansanti D, Morelli S. Exploring the potential of digital twins in cancer treatment: A narrative review of reviews. *Journal of Clinical Medicine*. 2025;14(10). doi:10.3390/jcm14103574.
- Giansanti D, Pirrera A. Integrating AI and assistive technologies in healthcare: Insights from a narrative review of reviews. *Healthcare (Switzerland)*. 2025;13(5). doi:10.3390/healthcare13050556.
- Giarnieri E, Carico E, Scarpino S, Ricci A, Bruno P, Scardapane S, Giansanti D. Bringing AI to clinicians: Simplifying pleural effusion cytology diagnosis with user-friendly models. *Diagnostics*. 2025;15(10). doi:10.3390/diagnostics15101240.
- Gigante G, Antignani S, Di Carlo C, Loret N, Bochicchio F. Decoding indoor radon: An explainable AI approach to quantifying building, environmental, and inhabitants' contributions. *Science of the Total Environment*. 2025;998. doi:10.1016/j.scitotenv.2025.180244.
- Gigliucci F, Barbieri G, Veyrunes M, Chiani P, Marra M, Carollo M, Morabito S, *et al*. Characterization of the resistome and antibiotic-resistant bacteria in top soil improvers and irrigation waters devoted to food production: A case study from Italy. *Environmental Science and Pollution Research*. 2025;32(24):14691-14705. doi:10.1007/s11356-025-36438-9.
- Giombini E, Schiavoni I, Ambrosio L, Lo Presti A, Di Martino A, Fiore S, Stuppia L, *et al*. JN.1 variants circulating in Italy from October 2023 to April 2024: Genetic diversity and immune recognition. *BMC Infectious Diseases*. 2025;25(1). doi:10.1186/s12879-025-10685-0.
- Giometto S, Spini A, Pellegrini G, Ingrassiotta Y, Bellitto C, Soardo F, Lucenteforte E, *et al*. Trajectories of adherence to biologics in patients with inflammatory bowel diseases: A large-scale multi-regional Italian study through the VALORE distributed database. *Pharmacoepidemiology and Drug Safety*. 2025;34(10). doi:10.1002/pds.70230.
- Giordano F, Lanciotti L, Fidente RM, Attias L, Petrolini VM, Locatelli CA, Baldassarri L, *et al*. The impact of COVID-19 management on the risk of exposure to specific chemical products: A multicentric Italian study based on 2017–2021 poison centers consultancies. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1717130.
- Giudici F, Toffolutti F, Guzzinati S, Schettini F, Bortul M, Francisci S, Dal Maso L, *et al*. A population-based estimation of breast cancer recurrence in northeast Italy with administrative healthcare databases. *Breast*. 2025;82. doi:10.1016/j.breast.2025.104487.

- Giusti A, Zambri F. Baby-friendly initiatives in Italy: A lively and expanding landscape. *Quaderni ACP*. 2025;32(6):268-271. doi:10.53141/QACP.2025.268-271eng.
- Giustini M, Carannante A, Bacocco DL, Caredda E, Magliocchetti P, Cersosimo G, Gaudi S, *et al*. EpiWEAT: A new digital assessment tool for epigenetic studies. *Ann Ist Super Sanita*. 2025;61(2):95-101. doi:10.4415/ANN_25_02_01.
- Gogami T, Garibaldi F, Markowitz P, Reinhold J, Nagao S, Nakamura SN, Tang L, Urciuoli G. Lambda hypernuclear spectroscopy by electron scattering at JLab. *Proceedings of Science*. 2025;483.
- Gola M, Settimo G, Capolongo S. Indoor air quality in healthcare facilities. *New Perspectives in Indoor Air Quality*. 2025;337-346. doi:10.1016/B978-0-443-26643-0.00024-8.
- Gómez L, Brandão J, Navarro A, Martinez A, Sanseverino I, Porcel-Rodríguez E, Lettieri T, *et al*. Application of a real-time reverse transcription polymerase chain reaction for rapid detection of *Escherichia coli* in drinking water: An EU representative study. *Environmental Research*. 2025;279. doi:10.1016/j.envres.2025.121786.
- Gonnella G, Libri V, Gioacchino E, Mella S, Sann S, Sorn S, Cantaert T, *et al*. Immune profiling in subclinical secondary dengue-infected cases reveals adaptive immune signatures correlated to protection from severe dengue. *Cell Host and Microbe*. 2025;33(7):1191-1207.e4. doi:10.1016/j.chom.2025.06.006.
- González C, Calderón JM, López AM, Bernardini I, Gradoni L, Pombi M, Bongiorno G, Gabrielli S. Species-specific variation in predicted distribution and habitat suitability of phlebotomine sand flies in Italy under different climate change scenarios. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-96296-w.
- Gossner CM, Hallmaier-Wacker LK, Noel H, Martínez BF, Pervanidou D, Tseroni M, Plachouras D, *et al*. Healthcare-associated malaria: A systematic review, 1997 to 2023. *Eurosurveillance*. 2025;30(11). doi:10.2807/1560-7917.es.2025.30.11.2400393.
- Gozzi A, Stuefer A, Alvino FG, Bedin V, Cover C, Kang C, Zhang N, *et al*. Charting the path in rodent functional neuroimaging. *Imaging Neuroscience*. 2025;3. doi:10.1162/IMAG.a.12.
- Granato G, Manzi G, Di Giulio J, Puzzo C, Mattera A, Adriani W, Baldassarre G, Capobianco M. Assessing executive functions and metacognition: translational potential of the Metacognitive Wisconsin Card Sorting Test for developmental neuropsychology. *Frontiers in Behavioral Neuroscience*. 2025;19. doi:10.3389/fnbeh.2025.1655310.
- Grant F, Aureli V, Di Veroli JN, Rossi L. Mapping of the adherence to the planetary health diet in 11 European countries: Comparison of different diet quality indices as a result of the PLAN'EAT project. *Frontiers in Nutrition*. 2025;12. doi:10.3389/fnut.2025.1645824.
- Grecco A, Koziol U, Macchiaroli N, Casulli A, Cucher MA, Rosenzvit MC. In vivo MicroRNA-based inhibition of experimental cestode infection. *ACS Infectious Diseases*. 2025;11(12):3553-3566. doi:10.1021/acsinfecdis.5c00721.
- Greco A, Verde P, Nuccio CD, Spanu C, Minghetti L, Lucertini M. Hormones and biomarkers in student pilots before and after rehabilitation from airsickness. *Aerospace Medicine and Human Performance*. 2025;96(6):461-468. doi:10.3357/AMHP.6441.2025.
- Greco S, Bossa C, Battistelli CL, Giuliani A. A statistical exploration of QSAR models in cancer risk assessment: A case study on pesticide-active substances and metabolites. *Toxics*. 2025;13(4). doi:10.3390/toxics13040299.
- Gringeri E, Furlanetto A, Polacco M, Perin L, Nieddu E, Rosso E, Cillo U, *et al*. Exploring auxiliary liver transplantation in the era of transplant oncology - A proposal for a new liver splitting program (ALERT-50). *Liver Transplantation*. 2025;31(9):1176-1182. doi:10.1097/LVT.0000000000000574.
- Grob F, Lain S, Olivieri A. Newborn screening for primary congenital hypothyroidism: Past, present and future. *European Thyroid Journal*. 2025;14(2). doi:10.1530/ETJ-24-0358.
- Gruber CEM, Gioacchini S, Fabeni L, Rueca M, Bordi L, Lalle E, Maggi F, *et al*. Molecular investigation on measles cases rise and variants co-circulation in the Lazio region, Italy. *Virology Journal*. 2025;22(1). doi:10.1186/s12985-025-02910-8.
- Gullifa G, Mazzoni C, Albertini C, Cirilli R, Mammone FR, Materazzi S, Risoluti R. Innovative microencapsulation strategy to produce probiotic based products with a dual impact on human health. *Journal of Drug Delivery Science and Technology*. 2025;106. doi:10.1016/j.jddst.2024.106570.
- Guo B, Guo G, Qi W, Aizezi M, Wu C, Tian M, Li J, *et al*. The genetic variation of mitochondrial sequences and pathological differences of *Echinococcus multilocularis* strains from different continents. *Microbiology Spectrum*. 2025;13(4). doi:10.1128/spectrum.01318-24.

- Gustavino C, Mohammadzadeh BA, Cisbani E, Gervino G, Mastinu P, Massimi C, Viviani M, *et al.* A new detection set-up to search the X17 boson. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. 2025;1072. doi:10.1016/j.nima.2024.170087.
- Guzzinati S, Andreotti A, Lopez T, Gori S, Gagliani A, Mallone S, Francisci S, *et al.* Cost profiles of cancer patients at the end of life: Estimates from the EPICOST-study. *PLoS ONE*. 2025;20(2). doi:10.1371/journal.pone.0318849.
- Hay SI, Ong KL, Santomauro DF, Bhoomadevi A, GBD 2023 Disease and Injury and Risk Factor Collaborators. Burden of 375 diseases and injuries, risk-attributable burden of 88 risk factors, and healthy life expectancy in 204 countries and territories, including 660 subnational locations, 1990–2023: A systematic analysis for the Global Burden of Disease Study 2023. *The Lancet*. 2025;406(10513):1873-1922. doi:10.1016/S0140-6736(25)01637-X.
- Heimsch KC, Bleicker T, Best TD, Presser LD, Molenkamp R, Jääskeläinen AJ, Corman VM, *et al.* Coordinated implementation of a conventional PCR assay to detect all Ebola and Marburg virus species in a European laboratory network. *Journal of Clinical Virology*. 2025;178. doi:10.1016/j.jcv.2025.105808.
- Hiebert-Suwondo L, Manning J, Tohme RA, Buti M, Kondili LA, Spearman CW, Nartey Y, *et al.* A 2024 global report on national policies, programmes, and progress towards hepatitis C elimination: Findings from 33 hepatitis elimination profiles. *The Lancet Gastroenterology and Hepatology*. 2025;10(7):685-700. doi:10.1016/S2468-1253(25)00068-8.
- Higgs S, Aarts K, Adan RAH, Buitelaar JK, Cirulli F, Cryan JF, Dye L, *et al.* Policy actions required to improve nutrition for brain health. *Nutrition Reviews*. 2025;83(3):586-592. doi:10.1093/nutrit/nuae160.
- Honda M, Razzaghi M, Gaur P, Malacaria E, Marozzi G, Di Biagi L, Spies M, *et al.* The RAD52 double-ring remodels replication forks restricting fork reversal. *Nature*. 2025;641(8062):512-519. doi:10.1038/s41586-025-08753-1.
- Hoogervorst LA, Nelissen RGHH, Van Steenberghe L, Pedersen AB, Kristiansen EB, Lindberg-Larsen M, Marang-Van De Mheen PJ, *et al.* Pooling data for primary total knee implants across national registries: Is the same implant used in multiple registries and for the same patient group? An observational study. *Acta Orthopaedica*. 2025;96:339-347. doi:10.2340/17453674.2025.43476.
- Høstrup E, Hansen TF, Frydensberg MS, Possenti V, Francisci S, Sandgren BL, Flyckt RNH, Capelli G. Advancing the monitoring of non-communicable diseases to support prevention strategies in the Joint Action PreventNCD: Challenges and opportunities. *Scandinavian Journal of Public Health*. 2025. doi:10.1177/14034948251384394.
- Hsieh E, Bryazka D, Ong KL, Rhinehart P-A, Cousin E, Hagins H, GBD 2021 Low Bone Mineral Density Collaborators. The global, regional, and national burden attributable to low bone mineral density, 1990–2020: An analysis of a modifiable risk factor from the Global Burden of Disease Study 2021. *The Lancet Rheumatology*. 2025;7(12):e873-e894. doi:10.1016/S2665-9913(25)00105-5.
- Humphreys J, Blake A, Nicolay N, Braeye T, Van Evercooren I, Hansen CH, Nunes B, *et al.* Effectiveness of JN.1 monovalent COVID-19 vaccination in EU/EEA countries between October 2024 and January 2025: A VEBIS electronic health record network study. *Vaccine*. 2025;64. doi:10.1016/j.vaccine.2025.127752.
- Humphreys J, Nicolay N, Braeye T, Van Evercooren I, Hansen C, Moustsen-Helms I, Brito A, *et al.* Effectiveness of the 2023 autumn XBB.1.5 COVID-19 booster during summer 2024 in the EU/EEA: A VEBIS electronic health record network study. *Influenza and other Respiratory Viruses*. 2025;19(12). doi:10.1111/irv.70198.
- Iacoponi F, Cardamone E, Di Nucci A, Agrimi U, Silano M. Food consumption and comparison with Italian dietary guidelines: Results from ARIANNA cross-sectional survey. *International Journal of Food Sciences and Nutrition*. 2025;76(7):736-747. doi:10.1080/09637486.2025.2562441.
- Iacoponi F, Cardamone E, Pastorelli A, Rosetti M, Agrimi U, Silano M, Di Giacomo S, *et al.* Cross-sectional survey investigating knowledge, attitudes and reasons for use of food supplements in rheumatological diseases: The IntegraRE study protocol. *BMJ Open*. 2025;15(11). doi:10.1136/bmjopen-2025-100219.
- Ianiri G, Settimo G, Avino P. Atmospheric bulk depositions: state-of-the-art and European legislative framework with focus on Italy. *Environmental Science and Pollution Research*. 2025;32(16):10406-10424. doi:10.1007/s11356-024-34338-y.
- Ianiri G, Settimo G, Soggiu ME, Inglessis M, Di Giorgi S, Avino P. The atmospheric deposition of polycyclic aromatic hydrocarbons in the metropolitan City of Rome in the year 2022/2023. *Atmosphere*. 2025;16(1). doi:10.3390/atmos16010020.
- Iavarone I, Cortés S, Fróes-Asmus CIR, Marsili D, Ramos-Bonilla JP, Tamayo-Ortiz M, Pasetto R. Assessing environmental health aspects of environmental justice in communities living in industrially contaminated areas: An international network to share approaches and experiences. *Environmental Epidemiology*. 2025;9. doi:10.1097/EE9.0000000000000435.

- Ictho J, Segala FV, Novara R, Olung N, Patti G, Papagni R, Lochoro P, *et al.* Determinants of loss to follow-up among pregnant women living in a high malaria burden setting in Northern Uganda. *New Microbiologica*. 2025;48(3):226-233.
- Iera J, Isonne C, Seghieri C, Tavoschi L, Ceparano M, Sciurto A, Baccolini V, *et al.* Availability and key characteristics of national early warning systems for emerging profiles of antimicrobial resistance in high-income Countries: Systematic review. *JMIR Public Health and Surveillance*. 2025;11. doi:10.2196/57457.
- Iessi E, Cittadini C, Maranghi F, Tassinari R, Iorio E, Puglisi R, Matarrese P, *et al.* Role of Bisphenol A in the development and progression of colorectal cancer: Possible sex-specific effects of endogenous and exogenous estrogens. *Biomedicines*. 2025;13(11). doi:10.3390/biomedicines13112717.
- Inaudi P, Abollino O, Bottoni P, Grifa RA, Caroli S. The role of spectrochemical techniques for the detection, identification, and quantification of residues and metabolites of pharmaceuticals in the environment: A review of developments in ecopharmacovigilance over the past decade. *Applied Spectroscopy Reviews*. 2025;60(9-10):1066-1135. doi:10.1080/05704928.2025.2507212.
- Indini A, Didoné F, Massi D, Puig S, Casadevall JR, Bennett D, Trama A, *et al.* Corrigendum to “Incidence and prognosis of cutaneous melanoma in European adolescents and young adults (AYAs): EUROCARE-6 retrospective cohort results” [Eur J Cancer 213 (2024):115079](S0959804924012103)(10.1016/j.ejca.2024.115079). *European Journal of Cancer*. 2025;218. doi:10.1016/j.ejca.2025.115295.
- Ingelido AM, Abballe A, Dellatte E, Ferri F, Iacovella N, Marra V, Valentini S, De Felip E. Ten years of PFOS and PFOA human biomonitoring in Italy: Exposure levels and determinants of exposure. *Chemosphere*. 2025;376. doi:10.1016/j.chemosphere.2025.144297.
- Ingelido AM, Fuscoletti V, Abballe A, Cerroni M, Dellatte E, Iacovella N, Russo F, *et al.* Human exposure to PFASs in a contaminated area: Associations between water and serum levels. *Chemosphere*. 2025;385. doi:10.1016/j.chemosphere.2025.144575.
- Ippoliti I, Di Giacomo S, Moro PA, Maida F, Mazzanti G, Menniti Ippolito F, Marano G. Spontaneous reports of suspected adverse reactions to Ashwagandha: Analysis of data from the Italian nutrivicilance system. *Phytotherapy Research*. 2025. doi: 10.1002/ptr.8497.
- Ippolito D, Colombino E, Zoppi S, Cucco I, Perotti M, Caruso C, Capucchio MT, *et al.* Anatomico-pathological investigations in pigs of the Piedmont region (Northern Italy) for infectious diseases surveillance in an antimicrobial resistance perspective. *Veterinary Microbiology*. 2025;305. doi:10.1016/j.vetmic.2025.110470.
- Iskandar K, Ahmed N, Paudyal N, Ruiz Alvarez M-J, Balasubramani SP, Saadeh D, Van Dongen M, *et al.* Essential oils as antimicrobial agents against WHO priority bacterial pathogens: A strategic review of in vitro clinical efficacy, innovations and research gaps. *Antibiotics*. 2025;14(12). doi:10.3390/antibiotics14121250.
- Iuliano M, Lombardo M, Falsini B, Sebastiani J, D'Ambrosio M, Martelli F, Cusumano A. Structural, functional, and cellular analysis of a case of acute zonal occult outer retinopathy (AZOOR). *Biomedicines*. 2025;13(7). doi:10.3390/biomedicines13071521.
- Iurilli M, Dentice S, Di Nitto M, Coclite D, Napoletano A, Bruno V, Papa G, *et al.* Availability and quality assessment of Clinical Practice Guidelines on orthopedic surgery treatment of open fractures of the lower limb using AGREE II tool: A systematic review. *Journal of Plastic, Reconstructive and Aesthetic Surgery*. 2025;100:341-361. doi:10.1016/j.bjps.2024.11.061.
- Ivović V, Bongiorno G, Volf P, Cseko YT, Shaw J, Elnaïem D, Depaquit J, *et al.* Recent advances in Phlebotomine sand fly research: A review based on studies presented at ISOPS XI. *Parasite*. 2025;32. doi:10.1051/parasite/2025062.
- Jagadeesh S, Cataldo C, Van Bortel W, Van Kleef E, Wint W, Rizzoli A, Busani L, Arsevska E. Mapping global risk of bat and rodent borne disease outbreaks to anticipate emerging threats. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-05588-8.
- Jasarevic M, Rodriguez CM, Scialò G, De Santis B, Debegnach F, Palchetti A, Chilosi G, *et al.* Durum wheat kernel contamination by mycotoxigenic fungi and mycotoxins as affected by soil tillage and fertilization management in a Mediterranean environment. *Journal of Plant Pathology*. 2025;107(3):1363-1376. doi:10.1007/s42161-025-01897-z.
- Jayousi S, Cinelli M, Bigazzi R, Bianchi S, Scalvini S, Borghi G, Giansanti D, *et al.* Transforming Telemedicine: Strategic lessons and metrics from Italy's Telemechro project (Telemechro study). *Technologies*. 2025;13(2). doi:10.3390/technologies13020044.

- Joyce EE, Xu S, Ingre C, Potenza RL, Seitz C, Yang H, Fang F, *et al.* Association between early-life and premorbid measurements of body composition and risk of motor neuron disease: A prospective cohort study in the UK Biobank. *Annals of Neurology*. 2025;97(2):259-269. doi:10.1002/ana.27109.
- Jug R, La Rocca U, Al-Riyami AZ, Bathla A, Metcalf RA, White SK, Stanworth SJ, Nahiriak S. The clinical use of platelet transfusions: A systematic literature review and meta-analysis on behalf of the international collaboration for transfusion medicine Guidelines. *Transfusion*. 2025;65(6):1155-1169. doi:10.1111/trf.18277.
- Karipidis K, Baaken D, Loney T, Blettner M, Mate R, Brzozek C, Lagorio S, *et al.* Response to the letter from Di Ciaula *et al.* *Environment International*. 2025;196. doi:10.1016/j.envint.2025.109276.
- Karipidis K, Baaken D, Loney T, Blettner M, Mate R, Brzozek C, Lagorio S, *et al.* Response to the letter from members of the ICBE-EMF. *Environment International*. 2025;195. doi:10.1016/j.envint.2024.109201.
- Karipidis K, Baaken D, Loney T, Blettner M, Mate R, Brzozek C, Lagorio S, *et al.* The effect of exposure to radiofrequency fields on cancer risk in the general and working population: A systematic review of human observational studies – Part II: Less researched outcomes. *Environment International*. 2025;196. doi:10.1016/j.envint.2025.109274.
- Kerr JA, Patton GC, Cini KI, GBD 2021 Adolescent BMI Collaborators. Global, regional, and national prevalence of child and adolescent overweight and obesity, 1990–2021, with forecasts to 2050: A forecasting study for the Global Burden of Disease Study 2021. *The Lancet*. 2025;405(10481):785-812. doi:10.1016/S0140-6736(25)00397-6.
- Kintz P, Gheddar L, Giorgi AD, Pichini S, Ferrari L. Interest of hair tests and supplement tests to discriminate a tail end of a doping regimen from a supplement contamination in case of challenging an anti-doping rule violation. VII. Case example with clomiphene. *Clinica Chimica Acta*. 2025;566. doi:10.1016/j.cca.2024.120059.
- Kintz P, Gheddar L, Pichini S, Plebani M, Salomone A. Clostebol and sport: About controversies involving contamination vs. doping offence Clinical Chemistry and Laboratory Medicine. 2025;63(2):258-261. doi:10.1515/cclm-2024-1165.
- Kiouri DP, Batsis GC, Mavromoustakos T, Giuliani A, Chasapis CT. Structure-based modeling of the gut bacteria–host interactome through statistical analysis of domain–domain associations using machine learning. *BioTech*. 2025;14(1). doi:10.3390/biotech14010013.
- Kislaya I, Caserta M, Faye SLB, Dia OK, Sow GHC, Doumbia CO, Fusco D, *et al.* Evaluating the effects of a multisectoral dialogue-based COVID-19 awareness-raising intervention in a limited-resource setting: A quasi-experimental study in Senegal. *Vaccine*. 2025;56. doi:10.1016/j.vaccine.2025.127168.
- Klepp K-I, Helleve A, Høstrup E, Gabrijelčič Blenkš M, Karlsdóttir S, Granlund L, *et al.* Scaling up non-communicable disease prevention and health promotion across Europe: The Joint Action PreventNCD. *Scandinavian Journal of Public Health*. 2025;53(3):8-17. doi:10.1177/14034948251352040.
- Kniffka MS, Schöley J, Lee S, Bertens LCM, Been JV, Gunnarsdóttir J, Murphy J, *et al.* Stillbirth rate trends across 25 European countries between 2010 and 2021: The contribution of maternal age and multiplicity. *European Journal of Public Health*. 2025;35(2):319-327. doi:10.1093/eurpub/ckae214.
- Kondili LA, Quaranta MG, Andreoni M. Bridging the gap: advancing health equity and eliminating HBV and HCV among marginalized populations. *The Lancet Regional Health – Europe*. 2025;49. doi:10.1016/j.lanepe.2025.101222.
- Küçükali F, Hill E, Watzeels T, Hummerich H, Campbell T, Darwent L, Mead S, *et al.* Multiomic analyses direct hypotheses for Creutzfeldt-Jakob disease risk genes. *Brain*. 2025;148(9):3350-3363. doi:10.1093/brain/awaf032.
- Kyu HH, Vongpradith A, Dominguez R-MV, Ma J, Albertson SB, Novotney A, Khalil IA, Troeger CE, Doxey MC, Ledesma JR, Sirota SB, Bender RG, Swetschinski LR, Cunningham M, Spearman S, GBD 2021 Diarrhoeal Diseases Collaborators. Global, regional, and national age-sex-specific burden of diarrhoeal diseases, their risk factors, and aetiologies, 1990–2021, for 204 countries and territories: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Infectious Diseases*. 2025. 25(5):519-536. doi:10.1016/S1473-3099(24)00691-1.
- L'Episcopia M, Talha AA, Nour BYM, Sana IMA, Caspar E, Thiebaut L, Menard D, *et al.* High prevalence of Artemisinin-resistant *Plasmodium falciparum*, Southeastern Sudan. *Emerging Infectious Diseases*. 2025;31(6):1211-1215. doi:10.3201/eid3106.241810.
- La Maida N, Aquilina V, Vaiano F, Cavallo M, Locatelli CA, Mannaioni G, Graziano S, *et al.* The rising trend of MDPHP consumption: An Italian snapshot. *Journal of Analytical Toxicology*. 2025;49(6):417-421. doi:10.1093/jat/bkaf024.

- La Salvia A, Bellino S, Fanciulli G. Streptozotocin in pancreatic neuroendocrine tumors: A focus on efficacy and safety. *Expert Opinion on Pharmacotherapy*. 2025;26(2):115-118. doi:10.1080/14656566.2024.2446618.
- La Salvia A, Modica R, Spada F, Rossi RE. Gender impact on pancreatic neuroendocrine neoplasm (PanNEN) prognosis according to survival nomograms. *Endocrine*. 2025;88(1):14-23. doi:10.1007/s12020-024-04129-z.
- La Salvia A, Modica R, Spada F, Rossi RE. Gender perspective in lung neuroendocrine tumors: A critical review. *Neuroendocrinology*. 2025;115(12):974-981. doi:10.1159/000546081.
- La Salvia A, Tsoli M. Epidemiology of neuroendocrine neoplasms (incidence, prevalence, survival, and environmental risk factors). *Endocrinology (Switzerland)*. 2025;1188:1-30. doi:10.1007/978-3-031-83281-9_1.
- Lamon L, Paini A, Siccardi M, Doyle J, McNamara C, Galea KS, Price P, *et al*. Physiologically based toxicokinetic models in aggregate exposure: A review. *Toxicology Letters*. 2025;413. doi:10.1016/j.toxlet.2025.111725.
- Lande R, Mennella A, Palazzo R, Favaro R, Facheris P, Mancini F, Frasca L, *et al*. The nature of the post-translational modifications of the autoantigen LL37 influences the autoreactive T-helper cell phenotype in psoriasis. *Frontiers in Immunology*. 2025;16. doi:10.3389/fimmu.2025.1546422.
- Landrigan PJ, Straif K, Birnbaum LS, McDiarmid M, Perry MJ, Forastiere F, Comba P, Bucher JR. Irregularities in the IARC Working Group Evaluation of Ramazzini Institute Aspartame studies. *Annals of Global Health*. 2025;91(1). doi:10.5334/aogh.4771.
- Lanni A, Iona E, Fattorini L, Giannoni F, Iacobino A. Activity of combinations of bactericidal and bacteriostatic compounds in Mycobacterium abscessus-infected mice: An overview. *Frontiers in Microbiology*. 2025;16. doi:10.3389/fmicb.2025.1616149.
- Lastrucci A, Canzani E, Haghighatjou N, Marrazzo L, Iosca N, Wandael Y, Livi L, *et al*. Patient positioning and treatment techniques in total skin irradiation: A scoping review. *Cancers*. 2025;17(8). doi:10.3390/cancers17081276.
- Lastrucci A, Iosca N, Busto G, Wandael Y, Barra A, Rossi M, Giansanti D, *et al*. A mixed scoping and narrative review of immersive technologies applied to patients for pain, anxiety, and distress in radiology and radiotherapy. *Diagnostics*. 2025;15(17). doi:10.3390/diagnostics15172174.
- Lastrucci A, Iosca N, Wandael Y, Barra A, Lepri G, Forini N, Giansanti D, *et al*. AI and interventional radiology: A narrative review of reviews on opportunities, challenges, and future directions. *Diagnostics*. 2025;15(7). doi:10.3390/diagnostics15070893.
- Lastrucci A, Iosca N, Wandael Y, Barra A, Ricci R, Nori Cucchiari J, Giansanti D, *et al*. Transforming breast imaging: A narrative review of systematic evidence on artificial intelligence in mammographic practice. *Diagnostics*. 2025;15(17). doi:10.3390/diagnostics15172197.
- Lastrucci A, Iosca N, Zani M, Simontacchi G, Bastida C, Casati M, Livi L, *et al*. Advancing therapeutic radiographers competences in Total Body Irradiation (TBI) through Virtual Reality (VR) -guided training. *Radiography*. 2025;31. doi:10.1016/j.radi.2025.103284.
- Lattera G, Barbanti M, Rosato S, Biancari F, Costa G, Baglio G, D'Errigo P, *et al*. Incidence of cardiac ischemic events after transcatheter aortic valve replacement: Results from the OBSERVANT studies. *International Journal of Cardiology*. 2025;441. doi:10.1016/j.ijcard.2025.133779.
- Lauzi S, Tozzoli R, Chiani P, Nava M, Knijn A, Michelacci V, Luzzago C, *et al*. Isolation and characterization through whole-genome sequencing of STEC strains from free-ranging red deer. *Veterinary Sciences*. 2025;12(10). doi:10.3390/vetsci12100929.
- Lavalle R, Agnello M, Mua R, Fontana M, Cravello B, Piu M, Famele M, *et al*. Unveiling the chemical safety of clothing articles, textiles and footwear with regard to the presence of carcinogenic, mutagenic, or reprotoxic substances, endocrine disruptors and skin sensitizers under EU regulatory restrictions. *Contact Dermatitis*. 2025;93(6):477-489. doi:10.1111/cod.70026.
- Laviola G. My personal goodbye to all the NBR community. *Neuroscience and Biobehavioral Reviews*. 2025;176. doi:10.1016/j.neubiorev.2025.106256.
- Lazarus JV, Agirre-Garrido L, Díaz LA, Danpanichkul P, Kivuyo SL, Kondili LA, Brachowicz N, *et al*. Cost-effectiveness of MASH diagnosis and management approaches among those with Type 2 diabetes. *JAMA Network Open*. 2025;8(11). doi:10.1001/jamanetworkopen.2025.42750.
- Lazzeri C, Maielli M, Gelli F, Feltrin G, Peris A. Quality metrics in solid organ donation: A narrative review. *World Journal of Transplantation*. 2025;15(4):1-7. doi:10.5500/wjt.v15.i4.109694

- Le C, Straßmayr C, Giraudeau N, Cresswell-Smith J, Barailla C, Berrefjord PR, Griebler R, *et al.* Strengthening population and organizational health literacy to reduce social inequalities within the JA PreventNCD. *Scandinavian Journal of Public Health*. 2025;53:43-53. doi:10.1177/14034948251372119.
- Leardini D, Flex E, Stieglitz E, Cerasi S, Bertuccio SN, Baccelli F, Masetti R, *et al.* Biallelic SH2B3 germline variants are associated with a neonatal myeloproliferative disease and multisystemic involvement. *European Journal of Human Genetics*. 2025;33(9):1127-1135. doi:10.1038/s41431-025-01877-y.
- Leccese L, Nisticò L, Bazzurri G, Culasso M, Lastrucci V, Porta D, Brescianini S, *et al.* Dietary patterns during pregnancy: Associations with sociodemographic factors and maternal and infant outcomes. *Recenti Progressi in Medicina*. 2025;116(11):688-689. doi:10.1701/4588.45989.
- Leccese L, Nisticò L, Culasso M, Pizzi C, Lastrucci V, Gagliardi L, Brescianini S. Maternal dietary pattern in pregnancy and behavioral outcomes at 4 years of age in the Piccolipiù cohort: Potential sex-related differences. *Nutrients*. 2025;17(17). doi:10.3390/nu17172814.
- Lefebvre MJM, Degrugillier F, Arnathau C, Fontecha GA, Noya O, Houzé S, Rougeron V, *et al.* Genomic exploration of the journey of *Plasmodium vivax* in Latin America. *PLoS Pathogens*. 2025;21(1). doi:10.1371/journal.ppat.1012811.
- Lentini G, Querqui A, Giuliani A, Verna R, Bizzarri M. Inositol and PIP2/PIP3 Ratio: At the crossroad of the biodynamic interface between cells and their microenvironment. *Biomolecules*. 2025;15(3). doi:10.3390/biom15030451.
- Leone G, Testa U. Plasma cell leukemia update on immunophenotype, molecular characteristics, and therapy. The second part of plasma cell neoplasms with spreading in the blood and tissues. *Mediterranean Journal of Hematology and Infectious Diseases*. 2025;17(1). doi:10.4084/MJHID.2025.080.
- Leonforte F, Fiorilla C, Giorgianni G, Nicosia V, Contarino F, Genovese C, Mistretta A, *et al.* Influenza vaccination appropriateness: Insights from the Local Health Unit of Catania during the 2023/2024 and 2024/2025 seasons. *Vaccines*. 2025;13(9). doi:10.3390/vaccines13090925.
- Leonforte F, Pergolizzi T, Nicosia V, Nicoli F, Genovese G, Genovese C, Mistretta A, *et al.* Preventive and therapeutic interventions in solar elastosis and photoaging: A comprehensive systematic review. *Biomedicines*. 2025;13(11). doi:10.3390/biomedicines13112758.
- Licata AG, Zoppi M, Dossena C, Rossignoli F, Rizzo D, Marra M, De Cecco L, *et al.* QIIME2 enhances multi-amplicon sequencing data analysis: A standardized and validated open-source pipeline for comprehensive 16S rRNA gene profiling. *Microbiology Spectrum*. 2025;13(9). doi:10.1128/spectrum.01673-25.
- Lintas C, Bonora S, Marabotti A, Tabolacci C, Scattoni ML, Capone F, Gurrieri F, *et al.* Exome sequencing uncovers genetic drivers of multiple sclerosis in a multiplex family. *Genes*. 2025;16(11). doi:10.3390/genes16111311.
- Lo Cicero S, Castelli, G, Ceci A, Cerio AM, Blaçonà G, Virgulti M, Eramo A, *et al.* CFTR Modulator response in nasal organoids derived from people with cystic fibrosis. *Cells*. 2025;14(23). doi:10.3390/cells14231914.
- Lo Presti A, Argentini C, Marsili G, Fortuna C, Amendola A, Fiorentini C, Venturi G. Phylogenetic analysis of Chikungunya virus Eastern/Central/South African-Indian Ocean epidemic strains, 2004–2019. *Viruses*. 2025;17(3). doi:10.3390/v17030430.
- Lo Presti A, Knijn A, Palermo E, D'Auria A, Quaranta M, Pascarella S, Frasca F, Scagnolari C. Exploring the genetic diversity of the 3' untranslated region (UTR) of Dengue virus. *Virology Journal*. 2025;22(1). doi:10.1186/s12985-025-02800-z.
- Lohrmann F, Efstratiou A, Sørensen UBS, Creti R, Decheva A, Křížová P, Poulsen K, *et al.* Maternal *Streptococcus agalactiae* colonization in Europe: Data from the multi-center DEVANI study. *Infection*. 2025;53(1):373-381. doi:10.1007/s15010-024-02380-0.
- Lopes S, Servadio M, Spini A, L'Abbate L, Ingrassiotta Y, Giometto S, Belleudi V, *et al.* Trajectories of biologic drug use before, during and after pregnancy: An Italian cohort study from the VALORE project. *Expert Opinion on Biological Therapy*. 2025;25(1):119-131. doi:10.1080/14712598.2024.2442452.
- Lopetuso LR, Deleu S, Puca P, Abreu MT, Armuzzi A, Barbara G, Scaldaferri F, *et al.* Guidance for fecal microbiota transplantation trials in ulcerative colitis: The second ROME consensus conference. *Inflammatory Bowel Diseases*. 2025;31(9):2408-2419. doi:10.1093/ibd/izaf013.
- Lorenzetti S, Amorena M, Attanasio C, Calleri M, Caloni F, Dang Z, Vitale A, *et al.* Possible applications of new approach methodologies (NAMs) in ecotoxicology. *Altex*. 2025;42(2):363-365. doi:10.14573/altex.2503281.

- Loret N. The universe is not a lie, but actually an Hopf, algebra. *International Journal of Modern Physics D*. 2025;34(5). doi:10.1142/S021827182550021X.
- Lori G, Tammaro A, Martinelli A, Cancemi L, Frassanito P, Tassinari R, Maranghi F. Establishment of rat models mimicking gender-affirming hormone therapies. *Journal of Visualized Experiments*. 2025;2025(215). doi:10.3791/67470.
- Lorini C, Palmieri L, Unim B, Zimmitti S, Lunetta C, Biagi C, Bonaccorsi G, *et al*. Insights into organizational health literacy in Italian hospitals: Findings from the M-POHL network project. *Health Promotion International*. 2025;40(4). doi:10.1093/heapro/daaf137.
- Lucente D, Bellino S, La Salvia A. GLP-1 Receptor agonists in solid tumour therapy: Exploring their anticancer potential and underlying molecular pathways. *Genes*. 2025;16(11). doi:10.3390/genes16111352.
- Lucidarme J, Deghmane A-E, Sharma S, Meilleur C, Eriksson L, Mölling P, Borrow R, *et al*. Umrah- and travel-associated meningococcal disease due to multiple serogroup W ST-11 sub-strains pre-Hajj 2024. *Journal of Infection*. 2025;91(4). doi:10.1016/j.jinf.2025.106558.
- Lugli C, Mazzaccara A, Guerrera D, Arecchi S, D'ancona F, Fadda G, Favazzi UM, *et al*. Evaluating e-learning satisfaction with a quali-quantitative analysis of the open-ended responses: A case study of a continuing medical education course. *Acta Biomedica*. 2025;96(5). doi:10.23750/abm.v96i5.17305.
- Lugli C, Murani F, Bellini C, Favazzi UM, Mazzaccara A, Vinceti M, Filippini T. Knowledge and perception of modern learning approaches in Continuing Medical Education: A cross-sectional study. *Annali di Igiene Medicina Preventiva e di Comunità*. 2025;37(4):488-499. doi:10.7416/ai.2025.2693.
- Lunghi C, Valetto MR, Caracciolo AB, Bramke I, Caroli S, Bottoni P, Paolone G, *et al*. Call to action: Pharmaceutical residues in the environment: Threats to ecosystems and human health. *Drug Safety*. 2025;48(4):315-320. doi:10.1007/s40264-024-01497-3.
- Lupacchini L, Mollinari C, Tancredi V, Garaci E, Merlo D. Impaired synaptic transmission and long-term potentiation in severe combined immunodeficient (SCID) mice. *NeuroReport*. 2025;36(6):290-296. doi:10.1097/WNR.0000000000002149.
- Caprio M, Ampollini M, Antignani S, Carpentieri C, Di Carlo C, Maiorana A, Bochicchio F. Experimental evaluation of combined ageing and fading effects on annual radon concentration measurement based on nuclear track detectors. *Radiation Measurements*. 2025;181. doi:10.1016/j.radmeas.2025.107378.
- Maftai D, Di Certo MG, Maurizi R, Veltri F, Rosina M, Bissacco J, Schirizzi T, *et al*. α -Synuclein-related Mitochondria-Nrf2 dysfunction in Parkinson's disease olfactory mucosa. *Annals of Neurology*. 2025;98(4):699-710. doi:10.1002/ana.27292.
- Maggi S, Ecarton F, Gianfredi V, Nucci D, Veronese N, Lei L, Picci G, *et al*. Mediterranean diet and Cantonese cuisine for human health: Report from a Sino-Italian bilateral meeting. *Aging Clinical and Experimental Research*. 2025;37(1). doi:10.1007/s40520-025-03199-x.
- Maggiorella MT, Ridolfi B. Special issue "Viral infections and host immune responses". *International Journal of Molecular Sciences*. 2025;26(21). doi:10.3390/ijms262110382.
- Magliozzi R, Hametner S, Mastantuono M, Mensi A, Karimian M, Griffiths L, Monaco S, *et al*. Neuropathological and cerebrospinal fluid correlates of choroid plexus inflammation in progressive multiple sclerosis. *Brain Pathology*. 2025;35(4). doi:10.1111/bpa.13322.
- Magnussen C, Alegre-Diaz J, Al-Nasser LA, Amouyel P, Aviles-Santa L, Bakker SJL, Blankenberg S, *et al*. Global effect of cardiovascular risk factors on lifetime estimates. *New England Journal of Medicine*. 2025;393(2):125-138. doi:10.1056/NEJMoa2415879.
- Magrelli A, O'Connor DJ, Stoyanova-Beninska V. Editorial: The changing focus of regulatory frameworks around the globe and the opportunities for harmonization. *Frontiers in Medicine*. 2025;12. doi:10.3389/fmed.2025.1645278.
- Maiorana A, Di Carlo C, Ampollini M, Antignani S, Caprio M, Carpentieri C, Bochicchio F. Results of novel theoretical approaches show a possible underestimation of building materials contribution to indoor radon levels. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-85645-4.
- Maisto N, Dashtiani S, Forte J, Ammendolia MG, Triaca V, Rinaldi F, Mango D. Ellagic acid-loaded nanovesicles rescue LTP impairment and neuroinflammation in an AD ex-vivo model. *European Journal of Pharmacology*. 2025;1008. doi:10.1016/j.ejphar.2025.178317.
- Maiuro A, Di Stadio F, Palombo M, Ciardiello A, Satta S, Pernazza A, Capuani S, *et al*. Endometrial cancer tissue features clusterization by kurtosis MRI. *Medical Physics*. 2025;52(5):2898-2908. doi:10.1002/mp.17718.

- Mallone S, Tavilla A, Lopez T, Pierannunzio D, Dal Maso L, Guzzinati S, Francisci S, *et al.* An indirect approach to identify the healthcare services for thyroid and melanoma cancer patients in Italy: Epicost-2 project. *Tumori*. 2025;111(5):400-412. doi:10.1177/03008916251353109.
- Malvasi M, Pascale E, Locuratolo N, Fattapposta F, Pauletti C, Finoia MG, Conti ME, Pacella E. Implementing potential biomarkers for early detection of retinal changes in Parkinson's disease: Preliminary study on BDNF role. *European Journal of Ophthalmology*. 2025;35(5):1746-1760. doi:10.1177/11206721251335060.
- Mammone FR, Sadutto D, Antoniella E, Pierini M, Cirilli R. Determination of the Enantiomerization Barrier of Midazolam in aqueous conditions by electronic circular dichroism and dynamic enantioselective HPLC/UHPLC. *Molecules*. 2025;30(5). doi:10.3390/molecules30051108.
- Mammone FR, Voigt A, Nagel A, Lang H, Cirilli R. The impact of solvophobic interactions on the high-performance liquid chromatography enantioseparation of planar chiral 1,2-ferrocene derivatives on amylose tris(3,5-dimethylphenylcarbamate). *Analytica Chimica Acta*. 2025;1346. doi:10.1016/j.aca.2025.343771.
- Mancini C, Chiriatti L, Bruselles A, D'ambrosio P, Ciolfi A, Ferilli M, Tartaglia M, *et al.* The p.Ile202Thr substitution in TUBB2B can be associated with syndromic presentation of congenital fibrosis of the extraocular muscles. *Genes*. 2025;16(10). doi:10.3390/genes16101182.
- Mancini GF, Blasi E, Marchetta E, Morena M, Borgi M, Campolongo P. The impact of stress on fear memory retention: A meta-analysis of rodent fear conditioning studies. *Neuroscience and Biobehavioral Reviews*. 2025;175. doi:10.1016/j.neubiorev.2025.106221.
- Mancini P, Brandtner D, Veneri C, Bonanno Ferraro G, Iaconelli M, Puzelli S, La Rosa G, *et al.* Evaluation of trends in influenza A and B viruses in wastewater and human surveillance data: Insights from the 2022–2023 season in Italy. *Food and Environmental Virology*. 2025;17(1). doi:10.1007/s12560-024-09622-2.
- Mancini P, Veneri C, Bonanno Ferraro G, Franco A, Iaconelli M, Brandtner D, La Rosa G, *et al.* Detection of Dengue virus RNA in wastewater during a local epidemic in Central Italy (August–October 2024). *Food and Environmental Virology*. 2025;17(3). doi:10.1007/s12560-025-09658-y.
- Manciulli T, Shkjezi R, Gjoni V, Richter J, Lapini L, Colpani A, Casulli A, *et al.* Ultrasound-based population survey for abdominal cystic echinococcosis in Albania: Results from the NDTND project. *PLOS Neglected Tropical Diseases*. 2025;19(12). doi:10.1371/journal.pntd.0013784.
- Mancuso E, Severini F, Toma L, Marsili G, Casale F, Castillett C, Fortuna C, *et al.* Assessing the vector competence of Italian *Culex pipiens* and *Aedes albopictus* mosquitoes for the re-emerging Oropouche virus. *Parasites and Vectors*. 2025;18(1). doi:10.1186/s13071-025-06912-x.
- Mandolesi S, Niglio T, Stagnaro M, De Grandis E. Clinical improvement in a case of alternating hemiplegia of childhood after cerebral lymphatic drainage. *International Medical Case Reports Journal*. 2025;18:1267-1278. doi:10.2147/IMCRJ.S532665.
- Mandosi C, Matys V, Deroma M, Del Negro V, Merlino L, Mariani M, Piccioni MG, *et al.* Ovarian reserve in patients with Sjögren's syndrome: A cross-sectional study. *Clinical Rheumatology*. 2025;44(1):319-325. doi:10.1007/s10067-024-07241-7.
- Manganelli V, Costanzo M, Caissutti D, Salvatori I, Candelise N, Montalesi E, Misasi R, *et al.* Neuroglobin regulates autophagy through mTORC1/RAPTOR/ULK-1 pathway in human neuroblastoma cells. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-91701-w.
- Mannarà G, Martinelli M, Giubbi C, Rizza M, Giordano E, Perdoni F, Cocuzza CE, *et al.* Wastewater surveillance for SARS-CoV-2 in Northern Italy: An evaluation of three different gene targets. *Microorganisms*. 2025;13(2). doi:10.3390/microorganisms13020236.
- Mannelli C, Floridia G, Gainotti S, Riva L, Petrini C. Ten years after Regulation 536/2014: Ethical reflection on the role of Ethics Committees in Italy. *Ann Ist Super Sanita*. 2025;61(1):82-86. doi:10.4415/ANN_25_01_10.
- Manzia TM, Trapani S, Nardi A, Ricci A, Lenci I, Sensi B, Angelico M, *et al.* Fairness and pitfalls of the Italian waiting list for elective liver transplantation: The ECALITA registry study. *Digestive and Liver Disease*. 2025;57(2):408-416. doi:10.1016/j.dld.2024.08.039.
- Manzini V, Cappelletti P, Orefice NS, Brentari I, Rigby MJ, Lo Giudice M, Piscopo P, *et al.* miR-92a-3p and miR-320a are upregulated in plasma neuron-derived extracellular vesicles of patients with frontotemporal dementia. *Molecular Neurobiology*. 2025;62(2):2573-2586. doi:10.1007/s12035-024-04386-z.

- Maraschini A, Corsi Decenti E, Donati S, Francisci S, Lopez T, Amodio R, Pierannunzio D, *et al.* Fertility and abortion: A population-based comparison between women with cancer and those in childbearing age. *Tumori*. 2025;111(1):71-78. doi:10.1177/03008916241298810.
- Maraschini A, Tenti M, Raffaelli W, Iannucci L, Gargiulo L, Burgio A, Toccaceli V, *et al.* Chronic pain prevalence and psychosocial burden in the Italian population from the 2019 European health interview survey. *International Journal of Environmental Research and Public Health*. 2025;22(9). doi:10.3390/ijerph22091395.
- Marchet F, Belvisi D, Leodori G, Aiello F, Costanzo M, Satriano F, Ferrazzano G, *et al.* Cognitive rehabilitation as a possible therapeutic approach in patients with blepharospasm. *Journal of Clinical Medicine*. 2025;14(8). doi:10.3390/jcm14082574.
- Marchetti P, Curigliano G, Biffoni M, Lonardi S, Scagnoli S, Fornaro L, Savarese A, *et al.* Genomically matched therapy in advanced solid tumors: The randomized phase 2 ROME trial. *Nature Medicine*. 2025;31(10):3514-3523. doi:10.1038/s41591-025-03918-x.
- Marconi D, Lipari D, Pammolli A, Dalmaso P, Nardone P, Vieno A, Simi R, Lazzeri G. How does BMI correlate with menarche onset? Evidence from the Italian HBSC cross-sectional study. *BMC Women's Health*. 2025;25(1). doi:10.1186/s12905-025-03572-y.
- Marconi D, Pani SM, Salemm S, Lazzeri G, Sardu C, Lorenzini P, Bellomo G, *et al.* Integrated care pathways for people with dementia in Italy: Assessing key elements for quality of care in a nationwide evaluation. *Ann Ist Super Sanita*. 2025;61(4):259-268. doi:10.4415/ANN_25_04_04.
- Marconi M, Favazzi UM, Carbone P, Guerrera D, Ruocco A, Manoli M, Pierdominici M, *et al.* Evaluating the long-term impact of a distance learning course on attitudes, skills, practices, and knowledge in gender-affirming healthcare among healthcare professionals in Italy. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1550470.
- Marconi M, Riitano G, Fisher AD, Cocchetti C, Pagano MT, Capozzi A, Pierdominici M, *et al.* Gender-affirming hormone therapy and autoimmunity: New insights from a 3-year follow-up study. *Clinical and Experimental Immunology*. 2025;219(1). doi:10.1093/cei/uxad122.
- Marconi M, Ruocco A, Ristori J, Bonadonna S, Pivonello R, Meriggiola MC, Pierdominici M, *et al.* Stratified analysis of health and gender-affirming care among Italian transgender and gender diverse adults. *Journal of Endocrinological Investigation*. 2025;48(6):1457-1471. doi:10.1007/s40618-025-02547-y.
- Mari V, Pascucci S, Piazzolla A, Berjano P, Franzò M, Sampaolo L, Carrani E, Torre M. Developing a classification of spinal medical devices: Has the time come? Review of the literature and a proposal for spine registries. *Bioengineering*. 2025;12(8). doi:10.3390/bioengineering12080853.
- Marianelli C, Ferraiuolo S, Topini M, Narciso L. In vitro evaluation of the antimicrobial activity of eighteen essential oils against gram-positive and gram-negative bacteria in two different growth media. *Pathogens*. 2025;14(12). doi:10.3390/pathogens14121216.
- Marianelli C, Leonori A, Stecco R, Giannantoni C. Detection of a mixed-strain infection with drug- and multidrug-resistant *Mycobacterium avium* subspecies *hominissuis* in a dog with generalized lymphadenomegaly. *Antibiotics*. 2025;14(4). doi:10.3390/antibiotics14040416.
- Marinaccio L, Gentile G, Zengin G, Pieretti S, Stefanucci A, Cichelli A, Mollica A. Corrigendum to “Ultrasound assisted deep eutectic solvent-based extraction of Montepulciano d’Abruzzo grape seeds for the recovery of the grape seed oil and its biological evaluation” [Food Chemistry: X 26 (2025) 1–8/102273](S2590157525001208)(10.1016/j.fochx.2025.102273). *Food Chemistry: X*. 2025;27. doi:10.1016/j.fochx.2025.102422.
- Marinaccio L, Gentile G, Zengin G, Pieretti S, Stefanucci A, Cichelli A, Mollica A. Ultrasound assisted deep eutectic solvent-based extraction of Montepulciano d’Abruzzo grape seeds for the recovery of the grape seed oil and its biological evaluation. *Food Chemistry: X*. 2025;26. 10.1016/j.fochx.2025.102273.
- Marsili D, Binazzi A, Marinaccio A, Mensi C, Fazzo L. Engaging social stakeholders in national asbestos research for public health: An Italian experience. *Annals of Global Health*. 2025;91(1). doi:10.5334/aogh.4717.
- Martelli F, Falsini B, Cusumano A. Visual responses in a transplanted eye: Reality or chimera? *Ann Ist Super Sanita*. 2025;61(1):1-2. doi:10.4415/ANN_25_01_01.
- Martelli F, Giacomozzi C, Dragone R, Frazzoli C, Grasso G. Data analysis in newly developed milk sensor platforms: Good practices, common pitfalls, and hard-earned lessons from field application. *Foods*. 2025;14(10). doi:10.3390/foods14101724.

- Martinelli S, Cavé H, De Luca A, DiStefano M, Karchin R, Lugones AC, Sonkin D, *et al.* Interpreting the functional impact of genetic variants: The need for context qualifiers. *American Journal of Human Genetics*. 2025;10.1016/j.ajhg.2025.11.007.
- Martiny H-M, Munk P, Fuschi A, Becsei Á, Pyrounakis N, Brinch C, Aarestrup FM, *et al.* Geographics and bacterial networks differently shape the acquired and latent global sewage resistomes. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-66070-7.
- Marucci G, Raso C, Borgogni E, Celani F, Tartarelli I, Cherchi S, Casulli A, *et al.* First report of *T. spiralis* in a wolf in Italy: An increasing health concern? *Food and Waterborne Parasitology*. 2025;38. doi:10.1016/j.fawpar.2024.e00253.
- Marziano V, Bella A, Menegale F, Del Manso M, Petrone D, Palamara AT, Poletti P, *et al.* Estimating measles susceptibility and transmission patterns in Italy: An epidemiological assessment. *The Lancet Infectious Diseases*. 2025;25(12):1303-1313. doi:10.1016/S1473-3099(25)00293-2.
- Marzo GA, Lepore L, Contessa GM. Radiological characterization for future fusion reactor decommissioning: Balancing accuracy, time, and radiation protection. *European Physical Journal Plus*. 2025;140(10). doi:10.1140/epjp/s13360-025-06896-8.
- Masi I, Ottavi F, Caprara V, Rio DD, Kunkl M, Spadaro F, Rosano' L, *et al.* The extracellular matrix protein type I collagen and fibronectin are regulated by β -arrestin-1/endothelin axis in human ovarian fibroblasts. *Journal of Experimental and Clinical Cancer Research*. 2025;44(1). doi:10.1186/s13046-025-03327-5.
- Masiello F, Pati I, Piccinini V, Pupella S, De Angelis V, Cruciani M. Platelet rich plasma for assisted reproduction: An overview of systematic reviews. *Blood Transfusion*. 2025;23(4):322-337. doi:10.2450/BloodTransfus.937.
- Masotti C, Serracca L, Costa E, Betti B, Garcia-Vozmediano A, Suffredini E, Battistini R. The prevalence of enteric viruses in bivalve molluscs in a farming area in Liguria, Northwest Italy. *Pathogens*. 2025;14(1). doi:10.3390/pathogens14010021.
- Massari S, Bauleo L, Gariazzo C, Michelozzi P, Bardi LD, Zengarini N, Baldacci S, *et al.* Cancer mortality and sectors of employment: a cohort study in Italy. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-025-21328-z.
- Massimi L, Vitale S, Maugeri L, Businaro L, Gigli G, Fiori ME, Cedola A. Quantitative X-ray phase-contrast digital histology of liver metastases in a mouse model. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-96049-9.
- Mastrorosa I, Cozzi-Lepri A, Matusali G, Colavita F, Lanini S, Rueca M, Al Moghazi S, *et al.* CT changes in a randomized trial comparing early therapies in an outpatient population at high risk of severe COVID19 disease. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-15641-1.
- Matascioli F, Lorenzini P, Giaquinto F, Vaccaro R, Salvi E, Carnevale G, Locuratolo N, Vanacore N, Bacigalupo I, Permanent Table of the National Dementia Plan Study Group; DCCs Study Group. A national survey of day care Centers hosting people with dementia in Italy. *International Journal of Geriatric Psychiatry*. 2025;40(11). doi:10.1002/gps.70172.
- Mattei G, Sette C, Lucentini L, Veschetti E. Flow injection inductively coupled plasma-mass spectrometry with ultrasonic nebulizer for the quantification of trace elements in seawater: An innovative method targeting Cadmium, Cobalt, Lead, Manganese, Molybdenum, Tin, Uranium, and Vanadium. *Journal of Separation Science*. 2025;48(7). doi:10.1002/jssc.70228.
- Maugeri A, Barchitta M, Favara G, Magnano San Lio R, Ojeda-Granados C, Alonzo E, Agodi A, *et al.* The Role of diet in women of childbearing age: Current evidence supporting nutritional recommendations. *Nutrients*. 2025;17(22). doi:10.3390/nu17223505.
- Maurizi L, Musleh L, Brunetti F, Conte AL, Riccioli A, Sideri S, Longhi C, *et al.* Uropathogenic *Escherichia coli* (UPEC) that hides its identity: Features of LC2 and EC73 strains from recurrent urinary tract infections. *BMC Microbiology*. 2025;25(1). doi:10.1186/s12866-025-04287-8.
- Mazza M, Favole A, Campia V, Iulini B, Nonno R, Ligios C, Acutis PL, *et al.* Real-time quaking-induced conversion assay applied to the Italian chronic wasting disease monitoring plan: Comparison of classical and innovative diagnostic methods. *Pathogens*. 2025;14(10). doi:10.3390/pathogens14101053.
- Mazzalai E, Caminada S, Giannini D, Marchetti G, Angelozzi A, Turatto F, Marceca M, *et al.* A review of the living conditions in administrative detention centres for migrants in Italy from a public health perspective. *Discover public health*. 2025;22(1). doi:10.1186/s12982-025-01039-x.

- McCabe M, Rossi S, Cerza F, Massimino M, Gianni F, Spycher BD, Trama A, *et al.* Survival of European adolescents and young adults diagnosed with central nervous system tumours and comparison with younger and older age groups: EUROCARE-6 results. *European Journal of Cancer*. 2025;227. doi:10.1016/j.ejca.2025.115661.
- McGhee CA, Plank JR, Pannone L, Russo O, Fuhrmann N, Ruggeri A, Green T, *et al.* Genotype–phenotype correlations with autism spectrum disorder-related traits in Noonan syndrome and Noonan syndrome with multiple lentiginos: A cross-sectional study. *Molecular Autism*. 2025;16(1). doi:10.1186/s13229-025-00681-1.
- Medda E, Vanacore N, Canevelli M, Sciancalepore F, Fabrizi E, Locuratolo N, Nuti F, Fagnani C. Assessment of risk factors for cognitive impairment accounting for genetic and environmental influences: An Italian population-based twin study. *Brain Sciences*. 2025;15(11). doi:10.3390/brainsci15111197.
- Mehmood N, Sini MF, Bocca B, Nonnis F, Manconi M, Muzzeddu M, Forte G. Lead concentrations in wild boar from Sardinia: analysis of food safety concerns. *Environmental Sciences Europe*. 2025;37(1). doi:10.1186/s12302-025-01092-y.
- Menduti L, Magni S, Baldoli C, Araneo SR, Rizzo S, Bertolotti B, Mussini PR, *et al.* A smart “Swiss-knife” dithiaaza[7]helicene electroactive tool: adding 3D push-pull features to inherent chirality and film electrodeposition ability. *Electrochimica Acta*. 2025;528. doi:10.1016/j.electacta.2025.146188.
- Menegale F, Manica M, Del Manso M, Bella A, Zardini A, Gobbi A, Riccardo F, *et al.* Risk assessment and perspectives of local transmission of chikungunya and dengue in Italy, a European forerunner. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-61109-1.
- Menegon M, Casale F, Mancuso E, Di Luca M, Severini F, Monaco F, Toma L. New finding on a migratory bird, the fowl tick *Argas (Persicargas) persicus* (Oken, 1818), in Italy. *Experimental and Applied Acarology*. 2025;94(1). doi:10.1007/s10493-024-00975-8.
- Menegon M, Severini F, Toma L, Martignoni M, Di Luca M. Rapid molecular method for early detection of the invasive mosquito *Aedes aegypti* (Linnaeus, 1762) at points of entry. *Acta Tropica*. 2025;264. doi:10.1016/j.actatropica.2025.107605.
- Mennella A, Frasca L. The Phenomenon of anti-drug antibodies in psoriasis: Mechanisms, clinical impact, and therapeutic strategies. *International Journal of Molecular Sciences*. 2025;26(19). doi:10.3390/ijms26199616.
- Mennini FS, Sciattella P, Simonelli C, Marcellusi A, Rosato S, Kondili LA. Long-term effects of direct-acting antivirals on Hepatitis C: Trends in liver disease–related hospitalisations in Italy. *Journal of Viral Hepatitis*. 2025;32(2). doi:10.1111/jvh.14061.
- Menzella F, Marchi M, Caminati M, Romagnoli M, Micheletto C, Bonato M, Senna G, *et al.* Long-term Eosinophil depletion: A real-world perspective on the safety and durability of Benralizumab treatment in severe eosinophilic asthma. *Journal of Clinical Medicine*. 2025;14(1). doi:10.3390/jcm14010191.
- Metcalf RA, Nahiriak S, Guyatt G, Bathla A, White SK, Stanworth SJ, *et al.* Platelet Transfusion: 2025 AABB and ICTMG International Clinical Practice Guidelines. *JAMA*. 2025. doi:10.1001/jama.2025.7529.
- Michelacci V, Pieralisi S, Albini E, Massacci FR, Angelico G, Chiani P, Leoni F, *et al.* Genomic insights into multidrug-resistant *Enterobacter hormaechei* isolates from seafood at retail carrying the *mcr-9* gene and other resistance determinants on IncHI2 plasmids. *Journal of Global Antimicrobial Resistance*. 2025;44:394-397. doi:10.1016/j.jgar.2025.07.019.
- Miele R, Fullone MR, Casella I, Maftai D, Prosperi G, Manduca A, Lattanzi R. Physical TRPV1-PKR2 interaction modulates PKR2 localization, activation and β -arrestin-2 recruitment. *Cellular Signalling*. 2025;131. doi:10.1016/j.cellsig.2025.111761.
- Milani I, Parrotta ME, Colangeli L, Chinucci M, Palleschi S, Rossi B, Capoccia D, *et al.* Sex differences in MASLD after age 50: Presentation, diagnosis, and clinical implications. *Biomedicine*. 2025;13(9). doi:10.3390/biomedicine13092292.
- Milano A, D’Avino A, Marchesano V, Sagnelli D, Rippa M, Guilcapi B, Petti L, *et al.* Advancing medical diagnostics: Rapid, label-free detection and differentiation of Shiga toxin variants in human serum using a cost-effective PCA-assisted SERS platform. *ACS Applied Materials and Interfaces*. 2025;17(46):63237-63252. doi:10.1021/acsami.5c18171.
- Milano A, Juache A, Houben S, Dente MG, Robbiati C, Declich S, Marsboom C, *et al.* Multicriteria decision analysis as a tool for assessing vector-borne diseases risk: The case of Crimean–Congo hemorrhagic fever in Türkiye. *Microorganisms*. 2025;13(9). doi:10.3390/microorganisms13091987.

- Milano A, Robbiati C, Declich S, Ozkul A, Drakulovic M, Chaligava T, Dente MG, *et al.* A multisectoral effort against Crimean-Congo hemorrhagic fever: Towards One Health approach implementation in the Balkans and Black Sea region. *One Health*. 2025;21. doi:10.1016/j.onehlt.2025.101261.
- Milli C, Stasi C, Profili F, Silvestri C, Pacifici M, Baccini M, Voller F, *et al.* Early warning approach to identify positive cases of SARS-CoV-2 in school settings in Italy. *Microorganisms*. 2025;13(8). doi:10.3390/microorganisms13081775.
- Minichilli F, Bustaffa E, Manno V, Benedetti M, Contiero P, Iavarone I, Fazzo L, *et al.* Mortality and hospitalization in contaminated sites with petrochemical and steel plants: A meta-regression ecological study. *BMC Public Health*. 2025;25(1). doi:10.1186/s12889-025-22997-6.
- Minicozzi V, Giuliani A, Mei G, Domenichelli L, Parise M, Di Venere A, Di Paola L. The dynamical asymmetry in SARS-CoV2 protease reveals the exchange between catalytic activity and stability in homodimers. *Molecules*. 2025;30(7). doi:10.3390/molecules30071412.
- Miniero R, Abate V, Abballe A, Battista T, Conversano M, De Felip E, Ingelido AM, *et al.* Human biomonitoring of PCDDs, PCDFs, and PCBs in women living in a Southern Italy hotspot area. *Toxics*. 2025;13(9). doi:10.3390/toxics13090730.
- Miniero R, Brambilla G, Maffucci F, Hochscheid S, Esposito M. Observational studies on per- and polyfluoroalkyl substance toxicity in marine species: Hints for the extrapolation of a screening value. *Environmental Toxicology and Chemistry*. 2025;44(3):710-717. doi:10.1093/etojnl/vgae065.
- Miotto E, Tartaglione AM, Iavarone I, Ricceri L, Zona A, Ceccarini A, Rossi S, Fazzo L. Neurodevelopmental outcomes in children living near hazardous waste sites: A systematic review. *International Journal of Environmental Health Research*. 2025;35(5):1213-1226. doi:10.1080/09603123.2024.2384963.
- Miselli F, Boncompagni A, Cuoghi Costantini R, Zini T, Bedetti L, Buttera M, Berardi A, *et al.* Recurrence of group B streptococcal infections in infants: A systematic review. *Expert Review of Anti-Infective Therapy*. 2025;23(5):305-314. doi:10.1080/14787210.2025.2474569.
- Misra S, Khunti K, Goyal A, Gable D, Armocida B, Tandon N, Beran D, *et al.* Managing early-onset type 2 diabetes in the individual and at the population level. *The Lancet*. 2025;405(10497):2341-2354. doi:10.1016/S0140-6736(25)01067-0.
- Modica R, Benevento E, Salvia AL, Mazzilli R, Pandozzi C, Pecora G, Barrea L, Colao A, Faggiano A. Impact of treatment on quality of life in neuroendocrine neoplasm survivors. *Endocrine-Related Cancer*. 2025;32(8). doi:10.1530/ERC-24-0303.
- Modonesi C, Serafini S, Giuliani A. Urban systems between the environment, human health and society: An overview. *Systems*. 2025;13(6). doi:10.3390/systems13060487.
- Molfino A, Imbimbo G, Salerno G, Lionetto L, De Luca A, Simmaco M, Muscaritoli M, *et al.* Effects of DHA oral supplementation on plasma resolvin D1 and D2 levels in naïve breast cancer patients. *Cancers*. 2025;17(10). doi:10.3390/cancers17101694.
- Molino C, Lacchetti I, Cristiano W, di Domenico K, Carere M, Angeletti D. Zebrafish embryo model as a tool for ecotoxicological studies in Central Italy's transitional waters. *Environmental Management*. 2025;75(6):1602-1614. doi:10.1007/s00267-025-02178-2.
- Monge S, Humphreys J, Nicolay N, Braeye T, Van Evercooren I, Hansen CH, Lucas D. Comparison of two methods for the estimation of COVID-19 vaccine effectiveness of the autumnal booster within the VEBIS-EHR network in 2022/23. *Epidemiology and Infection*. 2025;153. doi:10.1017/S0950268825000317.
- Montagna MT, Moro M, Casini B, Mura II, Finzi G, Spagnuolo V, De Giglio O, *et al.* Evaluation of water safety plan compliance in Italian hospitals according to Legislative Decree 18/23 and Directive EU 2020/2184: A cross-sectional study. *Hygiene*. 2025;5(3). doi:10.3390/hygiene5030028.
- Montalesi E, Caissutti D, Moliterni C, Ferrante A, Pepponi R, Garofalo T, Candelise N, *et al.* Proteostasis network response to environmental chronic stress: Linking survival to protein aggregation in a human neuroblastoma cellular model. *Cellular and Molecular Life Sciences*. 2025;82(1). doi:10.1007/s00018-025-05884-6.
- Montanari E, Siliquini S, Faro AFL, Rotolo MC, Busardò FP, Vidua RK, De Simone S, Montana A. Benzodiazepines induced stupor in a four-year-old child: When EEG meets toxicology. *Egyptian Journal of Forensic Sciences*. 2025;15(1). doi:10.1186/s41935-025-00420-w.

- Monti N, Antinori D, Proietti S, Piombarolo A, Querqui A, Lentini G, Bizzarri M, *et al.* miRNAs from Zebrafish embryo extracts inhibit breast cancer invasiveness and migration by modulating miR-218-5p/PI3K pathway. *International Journal of Molecular Sciences*. 2025;26(8). doi:10.3390/ijms26083812.
- Mooney C, Parlante A, Canarutto G, Grigoli A, Scattoni ML, Ricceri L, Provenzano G, *et al.* Deregulated mRNA and microRNA expression patterns in the prefrontal cortex of the BTBR mouse model of autism. *Molecular Neurobiology*. 2025;62(8):10614-10634. doi:10.1007/s12035-025-04900-x.
- Moreno A, Pulido J, Cea-Soriano L, Mateo A, Ceccarelli E, Pezzotti P, Regidor E. Differences in mortality trends according to population density in two southern European countries, 2001–2019. *Public Health*. 2025;249. doi:10.1016/j.puhe.2025.105982.
- Moreno A, Pulido J, Cea-Soriano L, Mateo A, Pezzotti P, Regidor E. Differences in urban vs. non-urban trends in mortality from ischaemic heart disease and diabetes in Italy and Spain, 2003–19. *European Journal of Preventive Cardiology*. 2025;32(2):141-147. doi:10.1093/eurjpc/zwae197.
- Moresi F, Noto F, Vasudevan J, Bisteau X, Adriani G, Pavesi A. Microphysiological systems in cancer research: Advancing immunotherapy through tumor microenvironment-integrated organ-on-chip models. *Advanced Therapeutics*. 2025;8(9). doi:10.1002/adtp.202500098.
- Morris AV, Robinson G, Chalmers R, Cacciò S, Connor T. Parapipe: A pipeline for parasite next-generation sequencing data analysis applied to *Cryptosporidium*. *Access Microbiology*. 2025;7(8). doi:10.1099/acmi.0.000993.v3.
- Mureddu GF, Rosato S, D'Errigo P, Faggiano P, Ciccarelli P, Badoni G, Baglio G, *et al.* Impact of polyvascular disease on long-term prognosis of patients with acute coronary syndrome—A retrospective cohort study in Italy. *Journal of Clinical Medicine*. 2025;14(12). doi:10.3390/jcm14124158.
- Mus E, Viani A, Domenis L, Maradei F, Valastro A, Marucci G, Ventre L, *et al.* First case of human ocular dirofilariasis in the Aosta Valley Region: Clinical management and morphological-molecular confirmation. *Pathogens*. 2025;14(5). doi:10.3390/pathogens14050423.
- Musillo C, Ajmone-Cat MA, De Simone R, Tassinari R, Maranghi F, Tait S, Cirulli F, *et al.* Maternal stressors disrupt mouse placental proteome and fetal brain development in a sex-specific fashion through inflammation and oxidative stress. *Molecular Psychiatry*. 2025;30(11):5072-5083. doi:10.1038/s41380-025-03090-1.
- Musillo C, Cerri C, Boffa M, Franchi F, Zoratto F. Comparison of corticosterone responses to acute stress in mice following different serial blood collection methods. *Ann Ist Super Sanita*. 2025;61(2):102-108. doi:10.4415/ANN_25_02_02.
- Musillo C, Samà M, Creutzberg KC, Begni V, Collacchi B, Bitraj J, Cirulli F, *et al.* Sex-dependent preventive effects of prenatal N-acetyl-cysteine on neuronal, emotional and metabolic dysfunctions following exposure to maternal high-fat diet in mice. *Translational Psychiatry*. 2025;15(1). doi:10.1038/s41398-025-03530-0.
- Napolitani F, Barbaro A, Barbaro MC. The Diamond Open Access scientific publishing model: Birth, evolution and reflections on its sustainability. *Recenti Progressi in Medicina*. 2025;116(7):415-423. doi:10.1701/4530.45311.
- Nappo A, Petricciuolo M, Berno G, Carnevali A, Gruber CEM, Bicchieraro G, Maggi F, *et al.* One-year monitoring of the evolution of SARS-CoV-2 omicron subvariants through wastewater analysis (Central Italy, August 2023–July 2024). *Life*. 2025;15(6). doi:10.3390/life15060850.
- Nardin A, Cristiano W, Mancini A, Gentili D, Mancini L, Punzo O. Can built and green settings influence diabetes hospitalizations? A scoping review. *Journal of Public Health (Germany)*. 2025. doi:10.1007/s10389-025-02466-5.
- Nardone P, Broccoli S, Spinelli A, Buoncristiano M, Andreozzi S, Bucciarelli M, Giustini M, Ciardullo S. Changes in physical activity and sedentary behaviours of children living in Italy due to the COVID-19 pandemic: The EPaS-ISS study. *Archives of Public Health*. 2025;83(1). doi:10.1186/s13690-025-01701-5.
- Navratilova Rovenska K, Slezakova M, Vignaud C, Blanchart P, Wołoszczuk K, Hoftuft J, Jilek K, *et al.* Intercomparison of radon and radon progeny concentration measurements performed in the Historic Silver Mine in Tarnowskie Góry, Poland. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1681537.
- Nemati A, Dadvar A, Eppinger M, Karimpour Z, Saberi Kakhki S, Sabeti Moghaddam Sabzevar A, Hafiz M, *et al.* Shiga toxin-producing *Escherichia coli* (STEC) in Developing Countries: A 10-year review with global perspective. *Microorganisms*. 2025;13(7). doi:10.3390/microorganisms13071529.
- Nemati A, Gigliucci F, Morabito S, Badouei MA. Virulence plasmids in edema disease: Insights from whole-genome analysis of porcine O139:H1 Shiga toxin-producing *Escherichia coli* (STEC) strains. *Frontiers in Cellular and Infection Microbiology*. 2025;15. doi:10.3389/fcimb.2025.1528408.

- Neri A, Taviani E, Ferraro F, Maraglino F, Marra M, Daprai L, Stefanelli P, *et al.* Genomic analysis of *Neisseria meningitidis* serogroup W causing invasive meningococcal disease in four travellers from Saudi Arabia, Italy, 2025. *Eurosurveillance*. 2025;30(31). doi:10.2807/1560-7917.ES.2025.30.31.2500483.
- Ng M, GBD 2021 Adult BMI Collaborators. Global, regional, and national prevalence of adult overweight and obesity, 1990–2021, with forecasts to 2050: A forecasting study for the Global Burden of Disease Study 2021. *The Lancet*. 2025;405(10481):813–838. doi:10.1016/S0140-6736(25)00355-1.
- Nibbio G, La Salvia A, Portigliatti Pomeri A, Calzavara-Pinton I, Cuniberti F, Verrico M, Vita A, *et al.* Effectiveness and safety of bright light therapy in oncological patients: A systematic review. *Journal of Pain and Symptom Management*. 2025;70(1):e1–e24. doi:10.1016/j.jpainsymman.2025.03.034.
- Nichelatti E, Piccinini M, Ampollini A, Anello P, Astorino MD, Bazzano G, Montereali RM, *et al.* Energy spectrum of protons below 10 MeV using color-center radiophotoluminescence in LiF crystals: A Monte Carlo-supported random-optimization estimator. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. 2025;1072. doi:10.1016/j.nima.2025.170218.
- Nichil D, Migani S, Colone M, Severini L, Sennato S, Bozzuto G, Mattiello L, *et al.* Preparation and characterization of Polydatin–Chitosan nanocapsules for enhanced drug delivery efficacy. *Molecules*. 2025;30(22). doi:10.3390/molecules30224400.
- Niine T, Viltrop A, Nurmoja I, Smith RP, Pavoni E, Alborali GL, Burow E, *et al.* Assessment of the biosecurity and slaughter practises in selected European abattoirs with a focus on the control of *Salmonella* and hepatitis E virus contamination. *Journal of Biosafety and Biosecurity*. 2025;7(4):168–179. doi:10.1016/j.jobbb.2025.11.001.
- Nikitara K, Cardoso ML, Vicente AM, Batalha Silva Rasga CM, De Angelis R, Chamoun Morel Z, Kakalou C, *et al.* Exploring literacy and knowledge gaps and disparities in genetics and oncogenomics among cancer patients and the general population: A scoping review. *Healthcare (Switzerland)*. 2025;13(2). doi:10.3390/healthcare13020121.
- Noto A, Valenzisi P, Di Feo F, Fratini F, Kulikowicz T, Sommers JA, Pichierri P, *et al.* Phosphorylation-dependent WRN-RPA interaction promotes recovery of stalled forks at secondary DNA structure. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-55958-z.
- Noto F, De Ninno A, Falchi M, Businaro L, Schiavoni G, Mattei F. Organ-on-chip immunostaining method for three-dimensional identification and study of immune cells responding to drug-treated tumor cells. *Methods in Cell Biology*. 2025;196:209–223. doi:10.1016/bs.mcb.2025.01.005.
- Noto F, Mancini J, Gambardella AR, Curcio C, De Ninno A, Andreone S, Schiavoni G, *et al.* Decitabine co-operates with the IL-33/ST2 axis modifying the tumor microenvironment and improving the response to PD-1 blockade in melanoma. *Journal of Experimental and Clinical Cancer Research*. 2025;44(1). doi:10.1186/s13046-025-03381-z.
- Nucci AD, Silano M, Cardamone E. Adherence to Mediterranean diet and health outcomes in adolescents: An umbrella review. *Nutrition Reviews*. 2025;83(3):e1329–e1342. doi:10.1093/nutrit/nuae085.
- Núñez-Montero M, Pérez-Mañá C, Hladun O, Poyatos L, Caicedo DA, De la Rosa G, Papaseit E, *et al.* Acute pharmacological effects of two synthetic cathinones in humans: An Observational study of N-Ethylhexedrone and N-Ethyl-nor-pentedrone. *Pharmaceuticals*. 2025;18(5). doi:10.3390/ph18050721.
- Okulicz-Kozaryn K, Marchei E, Helwich E, Rutkowska M, Maciejewski TM, Gumuła P, Pichini S, *et al.* The prevalence and changes in alcohol consumption across three trimesters of pregnancy assessed by Ethyl Glucuronide concentration in maternal hair and self-reports: A cross-sectional study. *European Addiction Research*. 2025;30(6):378–389. doi:10.1159/000542474.
- Oliva V, Bédard S, Kaptan M, Pfyffer D, Chy B, Aufrichtig S, Weber II KA, *et al.* Mapping hand function with simultaneous brain–spinal cord functional MRI. *Imaging Neuroscience*. 2025;3. doi:10.1162/IMAG.a.159.
- Olivieri A, Vigone MC, Salerno M, Persani L. Is it time to expand newborn screening for congenital hypothyroidism to other rare thyroid diseases? *International Journal of Neonatal Screening*. 2025;11(3). doi:10.3390/ijns11030065.
- Orish C, Battistini B, Bocca B, Frazzoli C. Malnutrition, nutrition, and dietary toxins. *Swaiman's Pediatric Neurology: Principles and Practice*. 2025:312–318.e2. doi:10.1016/B978-0-443-10944-7.00037-8.
- Oskarsson V, Salomaa V, Jousilahti P, Palmieri L, Donfrancesco C, Sans S, Söderberg S, *et al.* Cardiovascular disease outcomes in relation to 25-hydroxyvitamin D and its seasonal variation: Results from the BiomarCaRE consortium. *PLoS ONE*. 2025;20(4). doi:10.1371/journal.pone.0319607.
- Ossai C, Bocca B, Battistini B, Ruggieri F, Frazzoli C, Bonarrigo M, Orisakwe OE, *et al.* Human health risk assessment of metal(loids) in sediment, water and seafood from Orashi River in Omoku, Rivers State, Nigeria. *Discover Food*. 2025;5(1). doi:10.1007/s44187-025-00549-6.

- Pagano MT, Oliva A, Ortona E, Mastroianni CM, Gagliardi MC. Testosterone and KPC-Kp gut colonization: is there a link? *Journal of Sex- and Gender- Specific Medicine*. 2025;11(3):117-118. doi:10.1723/4600.46065.
- Paggetti A, Druda Y, Sciancalepore F, Della Gatta F, Ancidoni A, Locuratolo N, Lacorte E, *et al*. Correction to: The efficacy of cognitive stimulation, cognitive training, and cognitive rehabilitation for people living with dementia: a systematic review and meta-analysis (*GeroScience*, (2024), 47, 1, (409-444), 10.1007/s11357-024-01400-z). *GeroScience*. 2025;47(4). doi:10.1007/s11357-025-01551-7.
- Paggetti A, Druda Y, Sciancalepore F, Della Gatta F, Ancidoni A, Locuratolo N, Caffarra P, *et al*. The efficacy of cognitive stimulation, cognitive training, and cognitive rehabilitation for people living with dementia: A systematic review and meta-analysis. *GeroScience*. 2025;47(1):409-444. doi:10.1007/s11357-024-01400-z.
- Paggetti A, Lazzaro G, Bacaro V, Vanacore N, Vicari S, Menghini D. Sleep characteristics in children, adolescents, and adults with Specific Learning Disorders: A systematic review and a meta-analysis. *Sleep Medicine*. 2025;136. doi:10.1016/j.sleep.2025.106817.
- Paggetti A, Lorenzini P, Fabrizi E, Di Nolfi A, Zambri F, Giusti A, Della Gatta F, *et al*. Management and care for people living with dementia and their caregivers: Findings from an Italian national survey on caregivers and services use. *Psychogeriatrics*. 2025;25(5). doi:10.1111/psyg.70081.
- Paggi R, Lanari A, Malcontenti C, Boccolini D, Aiello A, L'Episcopia M, Zammarchi L, *et al*. A case of imported *Plasmodium malariae* infection after treated *Plasmodium falciparum* malaria: Possible explanations and a review of the literature. *Travel Medicine and Infectious Disease*. 2025;64. doi:10.1016/j.tmaid.2025.102810.
- Palomo GM, Pose-Boirazian T, Naumann-Winter F, Costa E, Duarte DM, Kalland ME, Mariz S, *et al*. Navigating the orphan medicinal product designation: Evidence requirements for gene therapies in Europe. *Molecular Therapy*. 2025;33(6):2834-2841. doi:10.1016/j.ymthe.2024.10.015.
- Panzacchi S, Tibaldi E, De Angelis L, Falcioni L, Giovannini R, Gnudi F, Mandrioli D, *et al*. Carcinogenic effects of long-term exposure from prenatal life to glyphosate and glyphosate-based herbicides in Sprague–Dawley rats. *Environmental Health: A Global Access Science Source*. 2025;24(1). doi:10.1186/s12940-025-01187-2.
- Paolino G, Di Nicola MR, Raggi C, Camerini S, Casella M, Pasquini L, Federici C, *et al*. Enhancing the efficacy of melanoma treatment: The in vitro chemosensitising impact of viper venom on human melanoma cell lines. *Toxins*. 2025;17(4). doi:10.3390/toxins17040152.
- Papalini C, Gómez-Morales MA, Mercuri A, Stolaj E, Brancaleoni MG, Fusco Moffa I, Francisci D, *et al*. A new human opisthorchiasis outbreak in central Italy: A never-ending story. *Infection*. 2025;53(1):175-181. doi:10.1007/s15010-024-02340-8.
- Pappalettera C, Nucci L, Cacciotti A, Vecchio F, Marra C, Caraglia N, Rossini PM, *et al*. Electroencephalography-based signatures of cognitive resilience in individuals with stable mild cognitive impairment despite carrying a high-risk for progression to dementia. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*. 2025;11(4). doi:10.1002/trc2.70194.
- Parente F, Pedale T, Rossi-Espagnet C, Longo D, Napolitano A, Gazzellini S, Macri S, Santangelo V. A Multivariate and network analysis uncovers a long-term influence of exclusive breastfeeding on the development of brain morphology and structural connectivity. *Brain Topography*. 2025;38(1). doi:10.1007/s10548-024-01091-x.
- Park S-Y, Pylaeva E, Bhuria V, Gambardella AR, Schiavoni G, Mougiakakos D, Kim S-H, Jablonska J. Harnessing myeloid cells in cancer. *Molecular Cancer*. 2025;24(1). doi:10.1186/s12943-025-02249-2.
- Pascucci B, Moccia M, D'Errico M, Vetica F, Saviano M, Leonelli F, Masi A. Carbon dots for nucleic acid-based diagnostics and therapeutics: Focus on oxidative DNA damage. *International Journal of Molecular Sciences*. 2025;26(16). doi:10.3390/ijms26168077.
- Pasquale L, Grande G, Zagari RM, Biancheri P, Pisani A, Da Massa Carrara P, Galloro G, *et al*. Day before late regimen vs standard split dose of low-volume PEG-CS for early morning colonoscopy: Multicenter randomized controlled trial. *Endoscopy International Open*. 2025;13. doi:10.1055/a-2515-8539.
- Passeri D, Atanasio P, Proietti A, Mancini C, Cognigni F, La Penna G, Aureli F, *et al*. Analytical methods for nanomaterials investigation in food and food-related materials. *Applied Food Research*. 2025;5(1). doi:10.1016/j.afres.2024.100675.
- Pastorelli AA, Rosetti M, Di Giacomo S, Bortolin E, Morelli S, Semeraro A, Boniglia C, Stacchini P, Gargiulo R. A preliminary study of the effects of transformations induced by gamma-ray treatment on the detection of *Acheta domesticus* and *Tenebrio molitor* allergenic proteins by enzyme-linked immunosorbent assay (ELISA) techniques. *Ann Ist Super Sanita*. 2025;61(2):149-156. doi:10.4415/ANN_25_02_08.

- Pati I, Masiello F, Piccinini V, De Fulvio L, Massari MS, De Angelis V, Cruciani M. Risk of venous thromboembolism in infectious diseases: A literature review. *Pathogens*. 2025;14(8). doi:10.3390/pathogens14080816.
- Pavarino G, Brasso C, Boido M, Carluccio A, Cirulli F, Mengozzi G, Rocca P, *et al.* An observational feasibility study on the impact of green exposure on major depressive episode symptomatology and inflammatory biomarkers. *Frontiers in Psychiatry*. 2025;16. doi:10.3389/fpsyt.2025.1631393.
- Pavinato L, Carestiatto S, Trajkova S, Sorasio L, Mantovani G, De Sanctis L, Brusco A, *et al.* Skipping of Exon 20 in EP300: A novel variant linked to Rubinstein–Taybi syndrome with atypical and severe clinical manifestations. *Clinical Genetics*. 2025;107(3):354–358. doi:10.1111/cge.14654.
- Pazienti A, Müller M, Bosman CA, Olcese U, Mattia M. Circuit-level dynamics and propagation of slow wave activity modulate their interplay during the awakening process. *iScience*. 2025;28(12). doi:10.1016/j.isci.2025.113954.
- Pecora G, Mancini C, Mazzilli R, Zamponi V, Telese S, Scalera S, De Vitis C, *et al.* Genetic insight into lung neuroendocrine tumors: Notch and Wnt signaling pathways as potential targets. *Journal of Translational Medicine*. 2025;23(1). doi:10.1186/s12967-025-06442-1.
- Pedrini M, Pozzi L, Sacchi F, Citarella A, Fasano V, Seneci P, Passarella D, *et al.* Design, synthesis and in vitro validation of bivalent binders of SARS-CoV-2 spike protein: Obeticholic, betulinic and glycyrrhetic acids as building blocks. *Bioorganic and Medicinal Chemistry*. 2025;121. doi:10.1016/j.bmc.2025.118124.
- Peiró-Pérez R, Krizan H, Duric A, Boned-Ombuena A, Di Girolamo C, Dreher A, Brukało K, *et al.* Development of a harmonized approach for healthier living environments in European local communities through JApresentNCD: Closing the gap between research and practice. *Scandinavian Journal of Public Health*. 2025;53:35–42. doi:10.1177/14034948251366386.
- Pellegrini G, Spini A, Bellitto C, L'Abbate L, Ingrassiotta Y, Soardo F, Trifirò G, *et al.* Single and multiple switches, swap and retransitioning among 28,073 biological drug users with inflammatory bowel diseases: Results from the Italian VALORE network. *Therapeutic Advances in Gastroenterology*. 2025;18. doi:10.1177/17562848251378080.
- Pellegrini M, Aquilina V, Baudone I, Bucchioni P, Busardò FP, Corsini C, Pichini S, *et al.* Standard operating procedures for the detection of substances of abuse in biological matrices in drug-related violence cases. *Biochimica Clinica*. 2025;49(3):273–277. doi:10.23736/S0393-0564.25.00069-X.
- Pellegrini M, Aquilina V, Carlier J, Castaldo P, Di Trana A, Pichini S, Busardò FP. new challenges in clinical and forensic toxicology highlights from the artificial intelligence in the clinical laboratory session at the 56th Sibioc congress, 2024. *Biochimica Clinica*. 2025;49(2):154–159. doi:10.23736/S0393-0564.24.00009-0.
- Pelosi P, Gazza L, Beni C, Barbini DA, Picardo V, Gambale C, Amendola G. Processing factors of pesticide residues in durum wheat milling fractions and pasta. *Food Chemistry*. 2025;477. doi:10.1016/j.foodchem.2025.143622.
- Perniola G, Paoni Saccone G, Tonti N, Tanzi F, Palaia I, Di Donato V, Santangelo G, *et al.* Role of pelvic ultrasound in predicting the response to neoadjuvant chemotherapy in locally advanced cervical cancer. *Diagnostics*. 2025;15(4). doi:10.3390/diagnostics15040463.
- Pes L, La Salvia A, Pes GM, Dore MP, Fanciulli G. Gastroenteropancreatic neuroendocrine neoplasms and celiac disease: Rare or neglected association? *Journal of Clinical Medicine*. 2025;14(3). doi:10.3390/jcm14030780.
- Petillo R, De Maggio I, Piscopo C, Chetta M, Tarsitano M, Chiriatti L, Priolo M, *et al.* Genomic testing in adults with undiagnosed rare conditions: Improvement of diagnosis using clinical exome sequencing as a first-tier approach. *Clinical Genetics*. 2025;108(2):115–123. doi:10.1111/cge.14715.
- Petrelli A, Aragona M, Ciampichini R, Di Napoli A, Fano V, Leone S, Ventura M, *et al.* A population-based cohort to investigate the impact of COVID-19 on socioeconomic inequalities in mental health care in Italy (CoMeH): Study protocol. *Social Psychiatry and Psychiatric Epidemiology*. 2025;60(4):967–976. doi:10.1007/s00127-025-02838-y.
- Petrini CM. Health data system in Italy: the role of ethics committees. *The Lancet Regional Health – Europe*. 2025;51. doi:10.1016/j.lanepe.2025.101260.
- Petrone D, Sacco C, Mateo-Urdiales A, Fotakis EA, Alfò M, Pezzotti P, Fabiani M. Comparing results from a traditional multivariable model and seven propensity score-based models for estimating COVID-19 vaccine effectiveness. *Ann Ist Super Sanita*. 2025;61(4):277–284. doi:10.4415/ANN_25_04_06.
- Philibert M, Gissler M, Zurriaga O, Donati S, Drausnik Z, Heller G, Murphy J, *et al.* Evaluating perinatal health in Europe: A comparison of routine population birth data sources. *Paediatric and Perinatal Epidemiology*. 2025;39(5):405–416. doi:10.1111/ppe.13178.

- Piazza A, Rombolà G, Maggiore U, Ciappi D, Cozzi E, de Stefano MC, Papola F, *et al.* A Comprehensive comparative assessment of mean fluorescence intensity of luminex single antigen bead tests between laboratories and commercial platforms: A report from the Italian histocompatibility network. *Human Immunology*. 2025;86(6). doi:10.1016/j.humimm.2025.111611.
- Picardi A, Filastro A. Development and validation of a self-report measure of existential well-being. *Clinical Practice and Epidemiology in Mental Health*. 2025;21. doi:10.2174/0117450179366317250410071321.
- Picardi A, Magnani N, Bruschi C, D'Avanzo B, de Stefano A, Maone AG, Zanfini R, *et al.* Validation of the Italian version of the staff attitude to coercion scale: An instrument to explore the attitude to coercion in mental health services. *Minerva Psichiatria*. 2025;66(2):93-99. doi:10.23736/S2724-6612.24.02607-1.
- Piccioli A, Lucentini L, Muratore A, Risoluti R, Briancesco R, La Rosa G, Ferrara F, *et al.* Enhancing public health through ocean research—A model for global partnership. *Frontiers in Climate*. 2025;7. doi:10.3389/fclim.2025.1670665.
- Pierannunzio D, Maraschini A, Lopez T, Donati S, Corsi Decenti E, Ballotari P, Francisci S, *et al.* Cancer and pregnancy: Update of estimates in Italy by linking data from cancer registries and hospital discharge records. *Cancers*. 2025;17(7). doi:10.3390/cancers17071230.
- Pietrafusa N, Trivisano M, Calabrese C, De Dominicis A, Cappelletti S, Correale C, Specchio N, *et al.* Long-term open-label study evaluating oral miglustat treatment in patients with neuronal ceroid lipofuscinosis Type 3. *Neurology*. 2025;105(7):1-5. doi:10.1212/WNL.00000000000214110.
- Pijnacker R, van den Beld M, Ullrich A, Ceyssens P-J, van Cauteren D, Jore S, Franz E, *et al.* Implementing whole genome sequencing for foodborne pathogen surveillance: Insights and recommendations based on expert experiences. *Frontiers in Microbiology*. 2025;16. doi:10.3389/fmicb.2025.1707621.
- Pilotto A, Morganti W, Seminerio E, Lacorte E, Custodero C, Veronese N, Vanacore N, *et al.* Usefulness of the BRIEF-Multidimensional Prognostic Index (BRIEF-MPI) to identify older adults' healthcare needs to be addressed with a personalized prevention program in general practice: preliminary data from the PrimaCare_P3 study. *BMC Primary Care*. 2025;26(1). doi:10.1186/s12875-025-02951-6.
- Pinton A, Ornaghi S, Knight M, Sentilhes L, Donati S, Kayem G, Deneux-Tharaux C. Management and outcomes of women with placenta accreta spectrum grade 3: An INOSS multicountry multiperiod population-based study. *BMC Pregnancy and Childbirth*. 2025;25(1). doi:10.1186/s12884-025-07271-2.
- Pisano A, Sabalic A, Forte G, Fenu G, Bocca B, Etzi F, Madeddu R, *et al.* Relationship between heavy metals and miRNAs in pancreatic ductal adenocarcinoma. *Journal of Trace Elements in Medicine and Biology*. 2025;92. doi:10.1016/j.jtemb.2025.127754.
- Pisano M, Bocchino M, Moccia E, Mura E, Doa G, Ponti S, Cannas P, *et al.* Telemonitoring in heart failure: Methodology and results of ASL Nuoro's 2-year experience. *Giornale Italiano di Cardiologia*. 2025;26(9):687-697. doi:10.1714/4542.45433.
- Pizzi E, Kaminska AE, Salvatore MA, Bucciarelli M, Tommasella M, Tamburlini G, Donati S. Evaluating screen exposure in very young children: Insights from the Italian Surveillance System of children aged 0-2 years. *Ann Ist Super Sanita*. 2025;61(2):141-148. doi:10.4415/ANN_25_02_07.
- Pizzi E, Salvatore MA, Giusti A, Zambri F, Speri L, Chapin EM, Donati S. Monitoring prevalence of breastfeeding and associated factors: Results of the 2022 data collection of the Italian surveillance of children aged 0-2 years. *Ann Ist Super Sanita*. 2025;61(1):3-12. doi:10.4415/ANN_25_01_02.
- Pobat T, Mandilara GD, Nigro Di Gregorio F, Valeriani F, Veschetti E, Romano Spica V, *et al.* Pool safety regulations in Europe: Challenges towards a framework for sustainable seawater utilization in public swimming pools. *Water (Switzerland)*. 2025;17(17). doi:10.3390/w17172544.
- Polani R, De Francesco A, Tomolillo D, Artuso I, Equestre M, Triocco R, Carattoli A, *et al.* Cefiderocol resistance conferred by plasmid-located ferric citrate transport system in KPC-producing *Klebsiella pneumoniae*. *Emerging Infectious Diseases*. 2025;31(1):123-124. doi:10.3201/eid3101.241426.
- Polignano D, Barreca V, Sanchez M, Sargiacomo M, Fiani ML. A Simple and scalable assay for multiplexed flow cytometric profiling of surface markers on small extracellular vesicles. *Cells*. 2025;14(13). doi:10.3390/cells14130989.
- Polo A, Calabrese FM, Tlais AZA, Ferrocino I, De Filippis F, Celano G, Gobetti M, *et al.* A novel plant-based food to enlarge the access of healthy bioactive compounds typical of the Mediterranean diet to non-adherent people. *Food Frontiers*. 2025;6(4):1807-1823. doi:10.1002/fft2.70044.

- Popoli P, Marrocco W, Ponzianelli A, Damele F, Medaglia M. From regulatory framework to practice: The EU HTA Regulation 2021/2282, AIFA role and interactions with developers: processes, interfaces, expectations. *Global and Regional Health Technology Assessment*. 2025;12(1):245-248. doi:10.33393/grhta.2025.3599.
- Porcaro G, Pavone-Cossut MR, Moretti S, Bilotta G, Aragona C, Unfer V. Oral treatment with EGCG, folic acid, vitamin B12, and hyaluronic acid improves HPV clearance and counteracts its persistence: A clinical study. *International Journal of Molecular Sciences*. 2025;26(11). doi:10.3390/ijms26115251.
- Porreca S, Mennella A, Frasca L. The role of CXCL4 in systemic sclerosis: DAMP, auto-antigen and biomarker. *International Journal of Molecular Sciences*. 2025;26(6). doi:10.3390/ijms26062421.
- Possenti V, Croci R, Terlizzi R, Nobile A, Fucili L, Mirra M, Bucciardini R, *et al*. Pooled vaccine communication actions to promote vaccination in the European Union: The case of Italy. *Journal of Primary Care and Community Health*. 2025;16. doi:10.1177/21501319251342097.
- Prati D, Caprioli F, Stea L, Berzuini A, Pizzotti D, Petrillo E, De Angelis V, *et al*. A "movement" worth making: Why and how Transfusion Services can play a role in fecal microbiota transplant programs. *Blood transfusion = Trasfusione del sangue*. 2025;23(3):275-282. doi:10.2450/BloodTransfus.929.
- Prax M, Debes L, Chudy M, Filomena A, Pisani G, Pupella S, Arnould P, *et al*. Implementation of a blood proficiency testing scheme for bacterial screening of platelet components. *Vox Sanguinis*. 2025;120(4):401-410. doi:10.1111/vox.13803.
- Properzi S, Coa AA, Fiorilla C, Pasetto R. Exploring methods to assess environmental health inequalities in health impact assessments of local interventions: A systematic review within the JA PreventNCD project. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1546394.
- Puccinelli C, Marcheggiani S, Gaudi S, Mancini L. Online healthcare training course to promote the awareness on risks and strategies of adaptation and mitigation for climate change impacts. *Epidemiologia e Prevenzione*. 2025;49(2-3):41-44. doi:10.19191/EP25.2-3.S1.054.
- Puccini A, Viscardi G, Ciani O, Efficace F, Piattelli A, Beretta GD, Perrone F, *et al*. Patient-reported outcomes (PROs) in clinical trials and in clinical practice: Report from the XXI national conference of the Italian Association of Medical Oncology (AIOM). *BMJ Oncology*. 2025;4(1). doi:10.1136/bmjonc-2025-000783.
- Pugliese N, Conti F, Rosato V, Gallo P, Gitto S, Riglietta M, Kondili LA, *et al*. Epidemiologic characteristics determining the choice of direct-acting antiviral therapy in HCV patients: An Italian real-world evidence study. *Pathogens*. 2025;14(11). doi:10.3390/pathogens14111177.
- Puzzo C, Oggiano M, Capobianco M, Costa A, Pepe M, Curcio G, Adriani W, *et al*. The Signalled licking/avoidance of punishment (SLAP) paradigm in rats: Capacity for insight between goal conditioning and signalling contingencies. *International Journal of Developmental Neuroscience*. 2025;85(5). doi:10.1002/jdn.70028.
- Qin P, Tao Z, Shi K, Zhao J, Huang B, Liu H, Hu M, *et al*. Molecular epidemiology of *Cryptosporidium* spp., *Giardia duodenalis*, and *Enterocytozoon bienersi* in Guizhou Angus Calves: Dominance of Angus cattle-adapted genotypes and zoonotic potential of *E. bienersi*. *Microorganisms*. 2025;13(8). doi:10.3390/microorganisms13081735.
- Quaranta D, L'Abbate F, Pelosi A, Arighi A, Asoni G, Bagattini C, Caffarra P, *et al*. Itel MMSE: A short phone screening test for cognitive decline. Italian validation study by the SINDem Neuropsychology Working Group. *Neurological Sciences*. 2025;46(4):1617-1627. doi:10.1007/s10072-024-07863-4.
- Radocchia G, Brunetti F, Marazzato M, Scribano D, Nencioni L, Palamara AT, Schippa S, Pantanella F. Antibiotic-resistance and virulence-related genes in commercially bottled natural mineral waters. *BMC Microbiology*. 2025;25(1). doi:10.1186/s12866-025-04336-2.
- Radoš SN, Ganho-Ávila A, Rodriguez-Muñoz MF, Bina R, Kittel-Schneider S, Lambregtse-Van den Berg MP, Moura-Ramos M, *et al*. Evidence-based clinical practice guidelines for prevention, screening and treatment of peripartum depression. *British Journal of Psychiatry*. 2025;227(5):798-809. doi:10.1192/bjp.2025.43.
- Raeisi H, Patrizia S, Sadeghi A, Barbanti F, Tillotson G, Safarpour H, Zali M, Nazemalhosseini Mojarad E. Risk factors and outcomes of *Clostridioides difficile* infection in patients with colorectal cancer: Critical perspective in management. *Gut Pathogens*. 2025;17(1). doi:10.1186/s13099-025-00717-0.
- Raggi C, Spadaro F, Mattei F, Gambardella AR, Noto F, Andreone S, Afferni C, *et al*. Eosinophil-airway epithelial cell crosstalk reveals the eosinophil-mediated DUOX1 upregulation in a murine allergic inflammation setting. *Journal of Leukocyte Biology*. 2025;117(3). doi:10.1093/jleuko/qiae232.
- Ramani A, Pasquini G, Gerkau NJ, Jadhav V, Vinchure OS, Altinisik N, Gopalakrishnan J, *et al*. Correction to: Reliability of high-quantity human brain organoids for modeling microcephaly, glioma invasion and drug screening

- (Nature Communications, (2024), 15, 1, (10703), 10.1038/s41467-024-55226-6). *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-56677-1.
- Ranaldi M, Parisi M, Battocchio C, Iucci G, Khalakhan I, Fratoddi I, Venditti I, *et al.* Chiral gold nanoparticles via L- or D-Cysteine functionalization: Synthesis and characterization. *ChemPlusChem*. 2025;90(9). doi:10.1002/cplu.202500027.
- Rangasamy S, Bandini E, Venturini A, Bozzuto G, Migani S, Calcabrini A, Ventura B, *et al.* Novel azole-modified Porphyrins for mitochondria-targeted photodynamic therapy. *Molecules*. 2025;30(13). doi:10.3390/molecules30132688.
- Rautalin I, Volovici V, Stark BA, Johnson CO, Kaprio J, Korja M, Ramadan MM, *et al.* Global, regional, and national burden of nontraumatic subarachnoid hemorrhage The Global Burden of Disease study 2021. *JAMA Neurology*. 2025;82(8):765-787. doi:10.1001/jamaneurol.2025.1522.
- Razavi-Shearer DM, Kondili LA, Hall S, Buti M, Gamkrelidze I, Naveira MCM, Razavi HA, *et al.* Estimating the impact of displacement from Ukraine on HBV and HCV prevalence among migrants in the European Union, 2024: A modeling study. *The Lancet Regional Health – Europe*. 2025;58. doi:10.1016/j.lanepe.2025.101452.
- Regazzo G, Vari G, Marchesi F, Díaz Méndez AB, Di Giuliani M, Sacconi A, Rizzo MG, *et al.* A predictive serum miRNA signature impacts diffuse large B-cell lymphoma cell viability via inhibition of EGLN1 and TXNRD1 regulators of ferroptosis. *British Journal of Haematology*. 2025;207(3):802-812. doi:10.1111/bjh.70017.
- Remigante A, Spinelli S, Rizzo G, Caruso D, Marino A, Straface E, Dossena S, Morabito R. Increased O-GlcNAcylation in Leukocytes from overweight pediatric subjects: A pilot study. *International Journal of Molecular Sciences*. 2025;26(12). doi:10.3390/ijms26125665.
- Renzi A, Mariani R, Vizzini MAS, Fedele F, Mazzoni G, Di Trani M. How do women cope with couples' infertility? Using language to explore elaborative processes. *Journal of Reproductive and Infant Psychology*. 2025. doi:10.1080/02646838.2024.2448964.
- Renzi M, Bauleo L, Tinarelli G, Maio S, Michelozzi P, Davoli M, Ancona C. Effetti a breve termine del PM10 sulla mortalità specifica per causa nei comuni vicini ai siti industriali in Italia. *Epidemiologia e prevenzione*. 2025;49(5-6):424-432. doi:10.19191/EP25.5-6.A899.092.
- Ricci A, Bezerra-Santos MA, Ludovisi A, Tartarelli I, Marucci G, Casulli A, Otranto D, *et al.* Seroprevalence of *Trichinella* spp. in hunting dogs from southern Italy. *Veterinary Parasitology: Regional Studies and Reports*. 2025;61. doi:10.1016/j.vprsr.2025.101276.
- Ricci F, Mattei E, Calcagnini G, Censi F. Home detection of atrial fibrillation using cardiac activity analysis: Technologies available to the patient. *Expert Review of Medical Devices*. 2025;22(7):711-724. doi:10.1080/17434440.2025.2510537.
- Rigamonti G, Veronesi F, Chiaradia E, Gosten-Heinrich P, Müller A, Brustenga L, Lalle M, *et al.* Selective activity of *Tabebuia avellanedae* against *Giardia duodenalis* infecting organoid-derived human gastrointestinal epithelia. *International Journal for Parasitology: Drugs and Drug Resistance*. 2025;27. doi:10.1016/j.ijpddr.2025.100583.
- Rippa M, Milano A, Marchesano V, Guilcapi B, Sagnelli D, D'Avino A, Petti L, *et al.* Nanostructured SERS biosensors for rapid detection and discrimination of Shiga toxins using principal component analysis. *Proceedings of SPIE - The International Society for Optical Engineering*. 2025;13528. doi:10.1117/12.3055061.
- Rippa M, Milano A, Marchesano V, Sagnelli D, Guilcapi B, D'Avino A, Petti L, *et al.* Recognition of Shiga toxins by Plasmonic SERS metasurface PCA assisted. *International Conference on Metamaterials, Photonic Crystals and Plasmonics*. 2025:207-208.
- Rippa M, Milano A, Marchesano V, Sagnelli D, Guilcapi B, D'Avino A, Petti L, *et al.* Diagnostic oriented discrimination of different Shiga toxins via PCA-assisted SERS-based plasmonic metasurface. *Nanophotonics*. 2025;14(23):4005-4018. doi:10.1515/nanoph-2024-0696.
- Ritarossi C, Prota V, De Battisti F, Battistelli CL, De Angelis I, Andreoli C, Vincentini O. Nanoparticle uptake and crossing by human in vitro models of intestinal barriers: A scoping review. *Nanomaterials*. 2025;15(15). doi:10.3390/nano15151195.
- Rizzi E, Giaquinto F, Iaia M, Dell'Abate M, Macchitella L, Tosi G, Angelelli P, *et al.* Uncovering accessibility gaps. Geospatial and diagnostic practices analysis of the Centres for Cognitive Disorders and Dementias (CCDD) in Apulia and Basilicata, Italy. *Ann Ist Super Sanita*. 2025;61(3):180-190. doi:10.4415/ANN_25_03_04.

- Rizzi M, West PJ, Vezzani A, Wilcox KS, Giuliani A. EEG signal dimension is an index of seizure propensity and antiseizure medication effects in a mouse model of acquired epilepsy. *Epilepsia*. 2025;66(8):3035-3047. doi:10.1111/epi.18397.
- Rizzi M, West PJ, Vezzani A, Wilcox KS, Giuliani A. Electroencephalographic signal dimension provides the necessary stability of measurements for the unbiased evaluation of antiseizure medications, unlike seizure frequency: Overcoming drawbacks of seizure occurrence variability. *Epilepsia*. 2025;66(12):5101-5104. doi:10.1111/epi.18708.
- Rizzo AM, Murgia G, Lentini A, Zava S, Ferranti F, Tavella S, Corsetto PA, *et al*. Hypergravity influences mouse erythrocyte membrane lipid composition and antioxidant potential. *Acta Astronautica*. 2025;234:99-105. doi:10.1016/j.actaastro.2025.04.061.
- Rocca UL, Ricci R, Piciocchi A, Barberi W, Oldani E, Dominiotto A, Iori AP, *et al*. Donor-specific anti-HLA antibodies (DSAs) in patients undergoing allogeneic hematopoietic stem cell transplantation from mismatched donors on behalf of GITMO and AIBT. *Blood Transfusion*. 2025;23(2):176-185. doi:10.2450/BloodTransfus.790.
- Rojo AI, Buttari B, Cadenas S, Carlos AR, Cuadrado A, Falcão AS, Dinkova-Kostova AT, *et al*. Model organisms for investigating the functional involvement of NRF2 in non-communicable diseases. *Redox Biology*. 2025;79. doi:10.1016/j.redox.2024.103464.
- Rojo AI, Buttari B, Cadenas S, Carlos AR, Cuadrado A, Falcão AS, Dinkova-Kostova AT, *et al*. Corrigendum to "Model organisms for investigating the functional involvement of NRF2 in non-communicable diseases" [Redox Biol. 79 (2025) 103464] (Redox Biology (2025) 79, (S2213231724004427), (10.1016/j.redox.2024.103464)). *Redox Biology*. 2025;80. doi:10.1016/j.redox.2025.103496.
- Rosa I, Padula LP, Semeraro F, Marrangone C, Inserra A, De Risio L, Martinotti G, *et al*. Endocannabinoids, depression, and treatment resistance: Perspectives on effective therapeutic interventions. *Psychiatry Research*. 2025;352. doi:10.1016/j.psychres.2025.116697.
- Rosanowski EO, Jude TC, Alef S, Figueiredo AJC, Burdeinyi DD, Cole PL, Sonnenschein A, *et al*. K+Λ(1520) photoproduction at forward angles near threshold with the BGOOD experiment. *European Physical Journal A*. 2025;61(6). doi:10.1140/epja/s10050-025-01613-6.
- Rosato S, Biancari F, Barbanti M, Tarantini G, Ranucci M, Costa G, D'Errigo P, *et al*. Five-year outcomes after surgical versus transcatheter aortic valve replacement with new generation devices from the prospective OBSERVANT studies. *Cardiovascular Intervention and Therapeutics*. 2025;40(4):943-953. doi:10.1007/s12928-025-01155-0.
- Rose AMC, Nicolay N, Mazagatos C, Martínez-Baz I, Launay O, De Mot L, Genderini F, *et al*. Vaccine effectiveness against influenza A in older adults and the effect of chronic conditions: Results from the I-MOVE and VEBIS multicentre European hospital case-control studies, 2015/16–2023/24. *BMC Medicine*. 2025;23(1). doi:10.1186/s12916-025-04426-y.
- Rosina M, Scaricamazza S, Fenili G, Nesci V, Valle C, Ferri A, Paronetto MP. Hidden players in the metabolic vulnerabilities of amyotrophic lateral sclerosis. *Trends in Endocrinology and Metabolism*. 2025;36(11):1029-1042. doi:10.1016/j.tem.2025.02.004.
- Rosolen V, Beorchia Y, Castriotta L, Fanizza C, Profili F, Florida M, Onder G, *et al*. Insight into potential long COVID effects: Antidepressant use in post SARS-CoV-2 Infection scenarios. A multiregional nested case-control study. *Psychiatry Research*. 2025;344. doi:10.1016/j.psychres.2024.116290.
- Rossi L, Gianfredi V, Lezo A, Maggi S, Nucci D, Onder G, Veronese N, *et al*. Toward strong, transparent and science-based dietary guidance: Lessons learned from the Mediterranean Diet guideline development. *Frontiers in Nutrition*. 2025;12. doi:10.3389/fnut.2025.1708486.
- Rossi RE, La Salvia A. NETest and gastro-entero-pancreatic neuroendocrine tumors: Still far from routine clinical application? A systematic review. *Genes*. 2025;16(2). doi:10.3390/genes16020161.
- Rossi S, Capone I, Cabri E, Giabelli A, Rossoni I, Romagnoli G, Gabriele L, *et al*. Machine learning reassessment of serum immune factors shows no unique immune profiles linked to disease outcomes in SARS-CoV-2-infected patients at hospital admittance. *European Journal of Immunology*. 2025;55(7). doi:10.1002/eji.70001.
- Ruggieri A, Anticoli S. Sex and gender differences in response to vaccines: Unveiling the biological and societal factors shaping immunity. *Vaccine: X*. 2025;24. doi:10.1016/j.jvax.2025.100637.
- Ruggieri F, Battistini B, Amendola G, Kamda AS, Ponka R, Orisakwe OE, Frazzoli C, Bocca B. Pesticides and trace elements in geophagic clay materials sourced in Cameroon and Nigeria: Potential implications on human health. *Science of the Total Environment*. 2025;1006. doi:10.1016/j.scitotenv.2025.180904.

- Ruggieri F, Battistini B, Sorbo A, Senofonte M, Leso V, Iavicoli I, Bocca B. From food-to-human microplastics and nanoplastics exposure and health effects: A review on food, animal and human monitoring data. *Food and Chemical Toxicology*. 2025;196. doi:10.1016/j.fct.2024.115209.
- Rune Nielsen T, Jørgensen K, Canevelli M, Pomati S, Delgado-Álvarez A, Franzen S, Waldemar G, *et al.* Validation of the brief assessment of impaired cognition and brief assessment of impaired cognition questionnaire in a multicultural memory clinic sample across six European countries. *Journal of Alzheimer's Disease*. 2025;104(3):823-834. doi:10.1177/13872877251320259.
- Ruocco A, Manoli M, Marconi M, Pierdominici M. Navigating aging as transgender and gender diverse individuals: Current realities and future public health challenges. A narrative review. *Journal of Sex- and Gender- Specific Medicine*. 2025;11(1):30-38. doi:10.1723/4456.44510.
- Rusconi F, Pacifici M, Nannavecchia AM, Brescianini S, Spadea T, Buono P, Gagliardi L, *et al.* Trends in preterm births in Italy and maternal risk factors in 2018–2022—A registry-based study. *Children*. 2025;12(3). doi:10.3390/children12030257.
- Russini V, De Marchis ML, Sampieri C, Onorati C, Zucchitta P, De Santis P, Bossù T, *et al.* Exploratory genomic marker analysis of virulence patterns in *Listeria monocytogenes* human and food isolates. *Foods*. 2025;14(10). doi:10.3390/foods14101669.
- Russo Krauss A, Lastrucci A, Petrini V, Gualtieri N, Ricci R, Tomaiuolo M, Bresci S, *et al.* Integrating case management in cystic fibrosis units: A key to enhancing patient-centered care. *Healthcare (Switzerland)*. 2025;13(9). doi:10.3390/healthcare13090965.
- Sabbatinelli J, Biscetti L, Lilla M, Giuliani A, Balducci F, Ramini D, Spazzafumo L, *et al.* Estimating the burden of dementia and parkinsonism through a novel identification algorithm based on healthcare administrative data. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1622088.
- Sabbatucci M, Clerici P, Creti R. Detection of group B Streptococcus (GBS) from antenatal screening, maternal GBS colonization and incidence of early-onset neonatal disease (GBS-EOD): A national survey, December 2022 to February 2023, Italy. *Microorganisms*. 2025;13(7). doi:10.3390/microorganisms13071438.
- Sacchi FA, Cascini F, Conditi N, Ravizza A, Daverio M, Causio FA, Bolognini L, *et al.* The path to trustworthy medical AI: the evolving role of explainability. *Recenti Progressi in Medicina*. 2025;116(10):546-550. doi:10.1701/4573.45774.
- Sacco C, Iacchini S, Isonne C, Iera J, Boros S, Fadda G, Pezzotti P, *et al.* Temporal trend and individual and hospital characteristics associated to vancomycin-resistant *Enterococcus faecium* bloodstream infections: a retrospective analysis from the national surveillance system, Italy 2015–2023. *Antimicrobial Resistance and Infection Control*. 2025;14(1). doi:10.1186/s13756-025-01636-0.
- Sadutto D, Mammone FR, D'Ettore G, Zanitti L, De Orsi D, Alfonsi R, Prestinaci F, Cirilli R. Enantio- and chemo-selective HPLC analysis of Silodosin on an amylose-based chiral stationary phase. *Molecules*. 2025;30(9). doi:10.3390/molecules30091966.
- Saha S, Capozzi A, Profumo E, Alessandri C, Sorice M, Saso L, Buttari B. Lupeol attenuates oxysterol-induced dendritic cell activation through NRF2-mediated antioxidant and anti-inflammatory effects. *International Journal of Molecular Sciences*. 2025;26(15). doi:10.3390/ijms26157179.
- Salciccia C, Costanzo M, Ruocco G, Porreca F, Vivacqua G, Fabbrini G, Poleggi A. Proteopathic seed amplification assays in easily accessible specimens for human synucleinopathies, tauopathies, and prionopathies: A scoping review. *Neuroscience and Biobehavioral Reviews*. 2025;169. doi:10.1016/j.neubiorev.2024.105997.
- Salemme S, Lombardo FL, Lacorte E, Sciancalepore F, Remoli G, Bacigalupo I, Ancidoni A, *et al.* The prognosis of mild cognitive impairment: A systematic review and meta-analysis. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*. 2025;17(1). doi:10.1002/dad2.70074.
- Salgarello M, Krupa J, Allchin R, Pilgrim S, Miall F, Di Napoli A, Martelli M, Tarantino G. Neoadjuvant immunotherapy and de-escalation of surgery in locally advanced breast implant-associated anaplastic large cell lymphoma. *Archives of Plastic Surgery*. 2025;52(1):11-20. doi:10.1055/a-2427-2066.
- Salgarello T, Giudiceandrea A, Cozzupoli GM, Cocuzza M, Fedeli R, Errico D, Falsini B, *et al.* Steady-state PERG adaptation reveals temporal abnormalities of retinal ganglion cells in treated ocular hypertension and glaucoma. *Diagnostics*. 2025;15(14). doi:10.3390/diagnostics15141797.
- Salvo A, Masciulli F, Ambroselli D, Romano E, Ingallina C, Spano M, Mannina L, *et al.* Hydrolysates from cauliflower and artichoke industrial wastes as biostimulants on seed germination and seedling growth: A chemical and biological characterization. *Journal of the Science of Food and Agriculture*. 2025;105(1):151-161. doi:10.1002/jsfa.13813.

- Samà M, Musillo C, Cirulli F. Counteracting the effects of maternal obesity on offspring neurodevelopment through Omega-3-based nutritional strategies. *Neuroscience*. 2025;566:142-148. doi:10.1016/j.neuroscience.2024.12.041.
- Sambri V, Agnoletti V, Ambretti S, Bartoletti M, Bernaschi P, Bignami EG, Tonetti T, *et al.* The role of rapid and advanced microbiological methods in critical care: 2025 Emanuele Russo Delphi consensus. *Clinical Microbiology and Infection*. 2025;31(12):1993-2000. doi:10.1016/j.cmi.2025.08.022.
- Sánchez-González MDC, Sarmiento-Suárez R, Cellai LL, Moreau C, Bartoszewicz M, Fiedor P, Bermejo-Sánchez E, *et al.* Integrative research and innovation strategy for rare diseases. Insights from the 5-year European joint programme on rare diseases, including analysis to inform recommendations for future actions. *Health Research Policy and Systems*. 2025;23(1). doi:10.1186/s12961-025-01389-7.
- Santangelo G, Ciminiello E, Golia d'Augè T, Di Donato V, Tomao F, Palaia I, Perniola G, *et al.* Tertiary cytoreduction for recurrence of ovarian CANCER patients after intraperitoneal chemotherapy. *Frontiers in Medicine*. 2025;12. doi:10.3389/fmed.2025.1691155.
- Santangelo V, Pedale T, Daviddi S, Salsano I, Macri S, Campolongo P. Altered brain activity during active forgetting in highly superior autobiographical memory: Evidence from an item-method directed forgetting. *iScience*. 2025;28(6). doi:10.1016/j.isci.2025.112607.
- Sartore S, Capucchio MT, Fiorilla E, Tafuro V, Pattono D, Ippolito D, Mugnai C, *et al.* Housing systems and slaughter age: key factors in productivity, health, and some meat quality parameters of an autochthonous Grigio di Carmagnola rabbit breed. *Frontiers in Animal Science*. 2025;6. doi:10.3389/fanim.2025.1670505.
- Savino I, Campanale C, Grenni P, Cavone C, Garganese F, Barra Caracciolo A, Uricchio VF, Ancona V. Effects of micro and nanoplastics on plant-assisted bioremediation for contaminated soil recovery: A review. *Science of the Total Environment*. 2025;1007. doi:10.1016/j.scitotenv.2025.180905.
- Savitsky M, Larasati YA, Solis GP, Koval A, Camacho A, Núñez N, Katanaev VL, *et al.* Loss of the conserved switch III region in a G protein leads to severe pediatric encephalopathy. *Science Signaling*. 2025;18(910). doi:10.1126/scisignal.adu9383.
- Savonitto S, Giampaoli S, De Luca G. Standard acute myocardial infarction without standard modifiable risk factors. *European Journal of Internal Medicine*. 2025;141. doi:10.1016/j.ejim.2025.106465.
- Sbarra S, Vola A, Tamarozzi F, Najafi-Fard S, Ludovisi A, Teggi A, Petrone L, *et al.* Stage-specific immune responses to AgB T-peptides in patients with cystic echinococcosis. *Infectious Disease Reports*. 2025;17(3). doi:10.3390/idr17030051.
- Scaini S, De Francesco S, Giani L, Battaglia M, Medda E, Fagnani C. Exploring the relationship of cognitive disengagement syndrome and attention deficit/hyperactivity disorder with emotional dysregulation: A twin study in childhood and adolescence. *Methods and Protocols*. 2025;8(4). doi:10.3390/mps8040094.
- Scala MC, Marchetti M, Landi M, Fantacuzzi M, Superti F, Agamennone M, Campiglia P, Sala M. Inhibition of human Coronavirus 229E by lactoferrin-derived peptidomimetics. *Pharmaceutics*. 2025;17(8). doi:10.3390/pharmaceutics17081006.
- Scaturro M, Girolamo A, Bella A, Rota MC, Marella AM, Amari R, Ricci ML, *et al.* Interlaboratory comparison of culture- and PCR-based methods for *Legionella pneumophila* detection in drinking water samples. *Applied and Environmental Microbiology*. 2025;91(6). doi:10.1128/aem.00236-25.
- Scaturro M, Lanni A, Mancini F, Girolamo A, Fillo S, Ciammaruconi A, Ricci ML, *et al.* Antimicrobial susceptibility and epidemiological types of *Legionella pneumophila* human isolates from Italy (1987–2020). *Journal of Global Antimicrobial Resistance*. 2025;41: 181-188. doi:10.1016/j.jgar.2024.12.030.
- Scheer CS, Giamarellos-Bourboulis EJ, Ferrer R, Idelevich EA, Annane D, Artigas A, European sepsis care study Group. Status of sepsis care in European Hospitals results from an international cross-sectional survey. *American Journal of Respiratory and Critical Care Medicine*. 2025;211(4):587-599. doi:10.1164/rccm.202406-1167OC.
- Schnabl JT, Sandini S, Stärkel P, Hartmann P. Serum levels of *Candida albicans* 65-kDa mannoprotein (CaMp65p) correlate with liver disease in patients with alcohol use disorder. *Microorganisms*. 2025;13(11). doi:10.3390/microorganisms13112458.
- Schwarz M, Gallo P, Colucci A, Belasio EF, Valli R, Dalla Torre R, Gallo C, D'Agostini A. Examining the “worried well” phenomenon: Insights from Italy’s AIDS and STIs helpline. *Ann Ist Super Sanita*. 2025;61(4):293-300. doi:10.4415/ANN_25_04_08.

- Schwirn K, Völker D, Løfstedt M, Fantke P, Bossa C, Sharma A, Garmendia Aguirre I, *et al.* The European Commission's safe and sustainable by design framework: Bridging innovation and legislation. *Environmental Sciences Europe*. 2025;37(1). doi:10.1186/s12302-025-01246-y.
- Sciurri A, Migliara G, Siena LM, Isonne C, De Blasiis MR, Sinopoli A, Baccolini V, *et al.* Compact large language models for title and abstract screening in systematic reviews: An assessment of feasibility, accuracy, and workload reduction. *Research Synthesis Methods*. 2025. doi:10.1017/rsm.2025.10044.
- Scognamiglio A, Zappi A, Andriani E, Di Odoardo A, Campana D, La Salvia A, Lamberti G. Updates on pulmonary neuroendocrine carcinoids: Progress and perspectives. *Journal of Clinical Medicine*. 2025;14(16). doi:10.3390/jcm14165733.
- Scribano D, Pasqua M, Limongi D, Nencioni L, Palamara AT, Ambrosi C. The periplasmic protein HslJ is the first-line of defense against oxidative stress in *Acinetobacter baumannii*. *Biological Research*. 2025;58(1). doi:10.1186/s40659-025-00584-8.
- Scribano D, Pasqua M, Limongi D, Nencioni L, Palamara AT, Ambrosi C. Correction to: The periplasmic protein HslJ is the first-line of defense against oxidative stress in *Acinetobacter baumannii* (Biological Research, (2025), 58, 1, (2), 10.1186/s40659-025-00584-8). *Biological Research*. 2025;58(1). doi:10.1186/s40659-025-00588-4.
- Scribano D, Tito C, Taguecha AD, Pasqua M, De Angelis L, Fazi F, Ambrosi C, *et al.* Goblet cell breakdown: Transcriptomics reveals *Acinetobacter baumannii* early and robust inflammatory response in differentiated human bronchial epithelial cells. *Journal of Biomedical Science*. 2025;32(1). doi:10.1186/s12929-025-01159-1.
- Sepulcri C, Pincino R, Baldi F, Cenderello G, Zanet S, Boccolini D, Ferroglio E, *et al.* Three cases of human Babesiosis, Italy, 2017-2020. *Emerging Infectious Diseases*. 2025;31(6)1239-1243. doi:10.3201/eid3106.241776.
- Serafini G, Mariano A, Lollobrigida M, Lamazza L, Mazzucchi G, Spigaglia P, De Biase A, *et al.* Advanced platelet-rich fibrin (A-PRF) as antibiotics delivery system: In-vitro proof-of-concept study. *Materials*. 2025;18(3). doi:10.3390/ma18030570.
- Settimo G, Capolongo S, Gola M, Ianiri G, Avino P. Common contaminants that threaten hospital indoor air quality. *New Perspectives in Indoor Air Quality*. 2025;317-328. doi:10.1016/B978-0-443-26643-0.00025-X.
- Sewell M, Farley C, Portal EAR, Lindsay D, Ricci ML, Jarraud S, ESCMID Study Group Legionella Infections. Broth microdilution protocol for determining antimicrobial susceptibility of *Legionella pneumophila* to clinically relevant antimicrobials. *Journal of Microbiological Methods*. 2025;228. doi:10.1016/j.mimet.2024.107071.
- Sferra G, Fratini F, Birago C, Megliorini L, Mochi S, Lalle M, Pizzi E, *et al.* Dynamics of detergent-resistant membranes of *Plasmodium falciparum* during blood stage development. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-17908-z.
- Signorelli F, Rastegar V, Palermo M, Laino D, Zeoli F, Visocchi M. Long-Term preservation of human head and neck specimens for neurosurgical training: A technical note. *Brain Sciences*. 2025;15(9). doi:10.3390/brainsci15091016.
- Silenzi A, Giona L, Zanchi G, Tammara A, Monteleone V, D'Archivio M, Vari R, *et al.* Gender differences in eating habits and lifestyles of young students: Observational evaluation from MaestraNatura program. *Frontiers in Nutrition*. 2025;12. doi:10.3389/fnut.2025.1653154.
- Simonetti F, Brillarelli S, Agostini M, Mancini M, Gioia V, Murtas S, Migliorati V. A review on the latest frontiers in water quality in the era of emerging contaminants: A focus on perfluoroalkyl compounds. *Environmental Pollution*. 2025;381. doi:10.1016/j.envpol.2025.126402.
- Simpson I, Saldaña D, Vulchanova M, Scattoni ML, Micai M. Feedback-driven learning through eye movements in autism spectrum disorder. *Autism Research*. 2025;18(7):1431-1446. doi:10.1002/aur.70060.
- Sirbu O, Agarwal G, Giuliani A, Selvarajoo K. Understanding the role of toggle genes in chronic lymphocytic leukemia proliferation. *npj Systems Biology and Applications*. 2025;11(1). doi:10.1038/s41540-025-00575-1.
- Skogberg N, Spadea T, Armocida B, Zaletel J, Formenti B, Fullaondo A, Osborne RH, *et al.* Embedding equity and diversity principles in a complex multinational setting: methods, tools, capacity development and experiences from the first year of the Joint Action on Cardiovascular Diseases and Diabetes (JACARDI). *BMJ Global Health*. 2025;10(11). doi:10.1136/bmjgh-2025-019829.
- Smits NGE, Ballin NZ, Bruggeman C, Fæste CK, Pastorelli AA, van Poucke C, Koops AJ, *et al.* The changing food allergen landscape in Europe calls for harmonised food allergen monitoring: Position paper. *Food Control*. 2025;168. doi:10.1016/j.foodcont.2024.110915.
- Soardo F, Spini A, L'Abbate L, Bellitto C, Pellegrini G, Ingrassiotta Y, Trifirò G, *et al.* Ten-year trend of rituximab use for hematological malignancies: A multiregional real-world study using the Italian VALORE distributed

- database network. *Expert Opinion on Biological Therapy*. 2025;25(11):1241-1247. doi:10.1080/14712598.2025.2583283.
- Soardo F, Spini A, Pellegrini G, Costa G, Mathieu C, Bellitto C, Trifirò G, *et al*. Frequency of biological drug use in older patients with immune-mediated inflammatory diseases: Results from the large-scale Italian VALORE distributed database network. *BioDrugs*. 2025;39(3):499-512. doi:10.1007/s40259-025-00716-2.
- Soares P, Machado A, Nicolay N, Monge S, Sacco C, Hansen CH, Nunes B, *et al*. COVID-19 vaccine effectiveness in the paediatric population aged 5–17 years: A multicentre cohort study using electronic health registries in six European countries, 2021 to 2022. *Eurosurveillance*. 2025;30(8). doi:10.2807/1560-7917.ES.2025.30.8.2400450.
- Spada F, Gelsomino F, Rinzivillo M, Cinquini M, Fittipaldo VA, Tralongo A, Fazio N, *et al*. Clinical practice guidelines for the management of non-functioning advanced GEP-NENs: A GRADE approach for evidence evaluation and recommendations by the Italian Association of Medical Oncology (AIOM) in collaboration with the Italian Association for Neuroendocrine Tumors (ITANET). *ESMO Open*. 2025;10(11). doi:10.1016/j.esmoop.2025.105878.
- Spada F, Rossi RE, Modica R, Gelsomino F, Rinzivillo M, Rubino M, Fazio N, *et al*. Functioning neuroendocrine tumors (NET): Minimum requirements for a NET specialist. *Cancer Treatment Reviews*. 2025;135. doi:10.1016/j.ctrv.2025.102907.
- Spigaglia P. The Ambivalent nature of *Bacteroides fragilis* and the interaction with *Clostridioides difficile*: Benefits and disadvantages for the human host. *Toxins*. 2025;17(10). doi:10.3390/toxins17100513.
- Spigaglia P, Barbanti F, Criscuolo EM, D'Ancona F, Cataldo MA, Creti R, Petrosillo N, *et al*. Pilot study of *Clostridioides difficile* infection (CDI) in hospitals, Italy, September to December 2022. *Eurosurveillance*. 2025;30(1). doi:10.2807/1560-7917.ES.2025.30.1.2400206.
- Spijker JJA, Barlin H, Dritsaki M, Gu Y, Klavina A, Yaylagul NK, Tofan CM, *et al*. The Impact of digital technology on the physical health of older workers: Scoping review. *JMIR Aging*. 2025;8. doi:10.2196/78406.
- Spinelli S, Straface E, Gambardella L, Bozzuto G, Caruso D, Marino A, Remigante A, *et al*. Mechanistic insights into Mancozeb-Induced redox imbalance and structural remodelling affecting the function of human red blood cells. *Antioxidants*. 2025;14(11). doi:10.3390/antiox14111274.
- Spinelli S, Straface E, Gambardella L, Caruso D, Dossena S, Marino A, Morabito R, Remigante A. Iron overload-related oxidative stress leads to hyperphosphorylation and altered anion exchanger 1 (Band 3) function in erythrocytes from subjects with β -Thalassemia Minor. *International Journal of Molecular Sciences*. 2025;26(4). doi:10.3390/ijms26041593.
- Spiro M, Raptis DA, Lentine KL, Cooper M, Waterman AD, Oniscu GC, Delmonico FL, *et al*. Reinforcing global oversight of organ transplantation: Activity and outcome monitoring through the development of registries. *Transplantation*. 2025;109(1):73-80. doi:10.1097/TP.0000000000005110.
- Srikanthithasan K, Ferrocino I, Raspa F, Nery J, Colombino E, Ippolito D, Forte C, *et al*. Influence of commercially processed former foodstuffs on broiler gut health. *Italian Journal of Animal Science*. 2025;24(1):2418-2431. doi:10.1080/1828051X.2025.2580711.
- Stark BA, DeCleene NK, Desai EC, Hsu JM, Johnson CO, Lara-Castor L, LeGrand KE, Global Burden of Cardiovascular Diseases and Risks 2023 Collaborators. Global, regional, and national burden of cardiovascular diseases and risk factors in 204 countries and territories, 1990-2023. *Journal of the American College of Cardiology*. 2025;86(22):2167-2243. doi:10.1016/j.jacc.2025.08.015.
- Steel N, Bauer-Staeb CMM, Ford JA, GBD 2021 Europe Life Expectancy Collaborators. Changing life expectancy in European countries 1990–2021: A subanalysis of causes and risk factors from the Global Burden of Disease Study 2021. *The Lancet Public Health*. 2025;10(3):e172-e188. doi:10.1016/S2468-2667(25)00009-X.
- Stefana A, Furuta M, Cena L, Trainini A, Palumbo G, Mirabella F, Gigantesco A. Development of a short version of the Spielberger state and trait anxiety inventory (STAI) for pregnant women. *Mediterranean Journal of Clinical Psychology*. 2025;13(1). doi:10.13129/2282-1619/mjcp-4505.
- Stefana A, Hill CE. Session evaluation scale: psychometric evaluation and development of short versions. *Psychotherapy Research*. 2025. doi:10.1080/10503307.2025.2587694.
- Stefana A, Ünver B, Vieta E, Fusar-Poli P, Youngstrom EA. Therapist's assessment of their patient's session-level emotional processes: Validation of the in-session patient affective reactions questionnaire-clinician form. *Journal of Clinical Psychology*. 2025;81(11):1129-1142. doi:10.1002/jclp.70023.

- Stracci F, Ferrante M, Caldarella A, Francisci S, Fusco M, Gatta G, Mazzucco W, *et al.* Challenges of cancer registration and epidemiology in Italy. *Cancer Epidemiology*. 2025;96. doi:10.1016/j.canep.2025.102804.
- Stramba-Badiale C, Borghesi F, D'Avenio G, Tuena C, Simoncini G, Stramba-Badiale M, Rossi M, *et al.* Spatial memory rehabilitation using low-cost virtual reality in patients with mild cognitive impairment: Methodological proposal. *Conference Proceedings - 2025 IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering, MetroXRINE 2025*. 2025:949-954. doi:10.1109/MetroXRINE66377.2025.11339997.
- Straßmayr C, Finbråten HS, Bitzer EM, Bonaccorsi G, Cacciuttolo MG, Dudra J, Zanobini P, *et al.* Assessing organizational health literacy in hospitals by using the International self-assessment tool for organizational health literacy of hospitals – A feasibility study in six European countries. *BMC Health Services Research*. 2025;25(1). doi:10.1186/s12913-025-13367-4.
- Suligoi B, Regine V, Pugliese L, Galli C. Recent HIV infections in Italy: Data from the HIV national surveillance system, 2012–2023. *Pathogens*. 2025;14(9). doi:10.3390/pathogens14090835.
- Tabolacci C, Batani G, Rossi S, Andrei D, Bellenghi M, Pedini F, Sansone A, *et al.* Capsaicin and its combination with oleic acid affect membrane fatty acid remodeling and Cytokine–Chemokine secretion in HepG2 cells. *International Journal of Molecular Sciences*. 2025;26(17). doi:10.3390/ijms26178242.
- Tabolacci C, Caruso A, Micai M, Galati G, Lintas C, Pisanu ME, Scattoni ML. Biogenic amine metabolism and its genetic variations in autism spectrum disorder: A comprehensive overview. *Biomolecules*. 2025;15(4). doi:10.3390/biom15040539.
- Tagueha AD, D'Agostini C, Scribano D, Fiorilla C, Limongi D, Fillo S, Ambrosi C, *et al.* A decade of genomic and phenotypic adaptation of carbapenem-resistant *Acinetobacter baumannii*. *Frontiers in Cellular and Infection Microbiology*. 2025;15. doi:10.3389/fcimb.2025.1527488.
- Tanabe S, Burgdorf T, Choi J, Delrue N, Edwards SW, Filipovska J, Yauk C, *et al.* Adverse Outcome Pathway (AOP) coaching program—How it functions and contributes to a more harmonized approach to AOP development and construction of AOP networks with regulatory utility. *Environmental Toxicology and Chemistry*. 2025;44(10):2725-2732. doi:10.1093/etojnl/vgaf173.
- Tarissi De Jacobis I, Straface E, Inzaghi E, Cittadini C, Bartuli M, Pagano MT, Grandin A, Buonomo PS. Sex differences in lipid profile and response to statin treatment in pediatric patients affected by familial hypercholesterolemia. *European Journal of Pediatrics*. 2025;184(9). doi:10.1007/s00431-025-06397-x.
- Tassinari R, D'Archivio M, Vari R, Scazzocchio B, Lori G, Bellenghi M, Maranghi F, *et al.* Endometriosis-like lesions induced by phthalates: new phytotherapeutic applications to complement traditional cares: a PNRR 2023 project. *BMC Complementary Medicine and Therapies*. 2025;25(1). doi:10.1186/s12906-025-04913-y.
- Tatoud R, Lévy Y, Le Grand R, Alcamì J, Barbareschi G, Brander C, Lelièvre JD, *et al.* In danger: HIV vaccine research and development in Europe. *PLOS Global Public Health*. 2025;5(4). doi:10.1371/journal.pgph.0004364.
- Téllez RAC, Kuruvila AK, Laneve G, Ferrari A, Saquella S, D'ugo E, Sacco P, *et al.* Generalized framework for chlorophyll-A estimation in complex waters using simulated prisma hyperspectral data. *International Geoscience and Remote Sensing Symposium (IGARSS)*. 2025:3866-3870. doi:10.1109/IGARSS55030.2025.11243483.
- Tenti M, Raffaelli W, Fagnani C, Medda E, Basciu M, Benassi V, Toccaceli V. Sleep quality, pain, worry, and rumination in fibromyalgia: Results from mediation analyses. *Journal of Clinical Medicine*. 2025;14(20). doi:10.3390/jcm14207267.
- Testa U, Castelli G, Pelosi E. Clinical and biological insights into myelodysplastic neoplasms associated with deletions of chromosome 5q region. *Hematology Reports*. 2025;17(6). doi:10.3390/hematolrep17060067.
- Testa U, Castelli G, Pelosi E. Clonal hematopoiesis, a risk condition for developing myeloid neoplasia. *Hemato*. 2025;6(2). doi:10.3390/hemato6020010.
- Testa U, Castelli G, Pelosi E. Emerging role of chimeric antigen receptor-natural killer cells for the treatment of hematologic malignancies. *Cancers*. 2025;17(9). doi:10.3390/cancers17091454.
- Testa U, Castelli G, Pelosi E. Recent developments in differentiation therapy of acute myeloid leukemia. *Cancers*. 2025;17(7). doi:10.3390/cancers17071141.
- Testa U, Castelli G, Pelosi E, Galli E, Chiusolo P. Toxicities associated with CAR-T cell therapies. *Mediterranean Journal of Hematology and Infectious Diseases*. 2025;17(1). doi:10.4084/MJHID.2025.039.

- Testa U, Leone G. Plasma cell neoplasms with spreading in the blood and tissues: Extramedullary myeloma disease, a rare aggressive form of multiple myeloma (FirstofTwoParts). *Mediterranean Journal of Hematology and Infectious Diseases*. 2025;17(1). doi:10.4084/MJHID.2025.005.
- Testa U, Pelosi E, Castelli G. Gene therapy of beta hemoglobinopathies. *Biomedicines*. 2025;13(12). doi:10.3390/biomedicines13123093.
- Testa U, Pelosi E, Castelli G. Molecular complexity of MDS and AML with aberrations of chromosome 7. *Hemato*. 2025;6(3). doi:10.3390/hemato6030034.
- Testa U, Pelosi E, Castelli G. Outline of iron metabolism, with emphasis on erythroid cells. *Mediterranean Journal of Hematology and Infectious Diseases*. 2025;17(1). doi:10.4084/MJHID.2025.067
- Testa U, Pelosi EP, Castelli G. Acute myeloid leukemia in the elderly: Molecular abnormalities and molecular classification. *Hemato*. 2025;6(3). doi:10.3390/hemato6030022.
- Thystrup C, Brinch ML, Henri C, Mughini-Gras L, Franz E, Wiecezorek K, Hald T, *et al*. Source attribution of human *Campylobacter* infection: A multi-country model in the European Union. *Frontiers in Microbiology*. 2025;16. doi:10.3389/fmicb.2025.1519189.
- Tichkule S, van Oosterhout C, Cacciò SM, Weisz F, Balan B, Nohýnková E, Jex AR, *et al*. Host range expansion of asexual parasite can be explained by loss of adaptations in Muller's Ratchet. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-65843-4.
- Tirelli V, Grasso F, Barreca V, Polignano D, Gallinaro A, Cara A, Sanchez M, *et al*. Flow cytometric procedures for deep characterization of nanoparticles. *Biology Methods and Protocols*. 2025;10(1). doi:10.1093/biomethods/bpaf019.
- Toccaceli Blasi M, Alfano AR, Salzillo M, Buscarnera S, Raparelli V, Cesari M, Bruno G, Canevelli M. Sex-specific clinical and neurobiological correlates of fatigue in older adults. *GeroScience*. 2025;47(1):1151-1160. doi:10.1007/s11357-024-01259-0.
- Toccaceli Blasi M, Raffaele F, Belvisi D, Buscarnera S, Bruno G, Fabbrini G, Canevelli M. Frailty and hospital outcomes among patients with neurological disorders. *Neurological Sciences*. 2025;46(8):3611-3617. doi:10.1007/s10072-025-08144-4.
- Tomaino SCM, Procaccio F, Armanni T, Cardillo M, Di Ciaccio P, Gentile M, Cipolletta S. Open group dialogue on post-mortem organ donation promotes attitudinal change among different groups of the Italian population. *Frontiers in Psychology*. 2025;16. doi:10.3389/fpsyg.2025.1631504.
- Toni M, Frabetti F, Tedeschi G, Alleva E. Effects of environmental temperature variation on the spatio-temporal shoaling behaviour of adult Zebrafish (*Danio rerio*): A two- and three-dimensional analysis. *Animals*. 2025;15(14). doi:10.3390/ani15142006.
- Tonon M, Panaite S-A, Gentili D, Ferraresso A, Da Re F, Ballarin D, Baldo V, *et al*. Retrospective and prospective surveillance and clinical presentation of parvovirus B19 in Veneto, Italy, 2024. *Microorganisms*. 2025;13(2). doi:10.3390/microorganisms13020430.
- Torre M, Piazzolla A, Ciminello E, Falcone T, Carrani E, Pascucci S, Berjano P, *et al*. Time trends in spine surgery in Italy: a nationwide, population-based study of 1,560,969 records of administrative health data from 2001 to 2019. *Acta Orthopaedica*. 2025;96:256-264. doi:10.2340/17453674.2025.43188.
- Torreggiani C, Garbarino C, Pupillo G, De Lorenzi G, Sampieri M, Massella E, Maioli G, *et al*. Occurrence of *Trichinella* spp. in grey wolves and red foxes: insights from wild mammal surveillance in Emilia-Romagna (Italy). *Animals*. 2025;15(24). doi:10.3390/ani15243532.
- Torre-Pérez LDL, Santero M, Nieto-Gutierrez W, Giesen C, Nardin A, Cosma C, Alonso-Coello P, *et al*. Determinants of cost-effectiveness results of biological therapies for severe asthma: a systematic methodological assessment. *Journal of Clinical Epidemiology*. 2025;178. doi:10.1016/j.jclinepi.2024.111621.
- Tozzi M, Fiore A, Travaglione S, Marcon F, Rainaldi G, Germinario EAP, Fabbri A, *et al*. E. Coli cytotoxic necrotizing factor-1 promotes colorectal carcinogenesis by causing oxidative stress, DNA damage and intestinal permeability alteration. *Journal of Experimental and Clinical Cancer Research*. 2025;44(1). doi:10.1186/s13046-024-03271-w.
- Trabucco Aurilio M, Fava L, Chisari M, Bolcato M. Birth-related long bone fractures in otherwise healthy newborns and medical professional liability: literature review and case presentation. *Frontiers in Medicine*. 2025;12. doi:10.3389/fmed.2025.1589417.

- Trama A, Bernasconi A, Cañete A, Carulla M, Daubisse-Marliac L, Rossi S, Botta L, *et al.* Incidence and survival of rare adult solid cancers in Europe (EUROCARE-6): A population-based study. *European Journal of Cancer*. 2025;214. doi:10.1016/j.ejca.2024.115147.
- Trama A, Geerdes EE, Demuru E, De Angelis R, Karim-Kos HE, Troussard X, Smith OP, *et al.* Survival of European children, adolescents and young adults diagnosed with haematological malignancies in the period 2000–2013: Results from EUROCARE-6, a population-based study. *European Journal of Cancer*. 2025;222. doi:10.1016/j.ejca.2025.115336.
- Trama A, Lasalvia P, Stark D, McCabe MG, van der Graaf W, Gaspar N, Provenzano S, *et al.* Incidence and survival of European adolescents and young adults diagnosed with sarcomas: EUROCARE-6 results. *European Journal of Cancer*. 2025;217. doi:10.1016/j.ejca.2024.115212.
- Trama A, Rossi S, Bennet D, Stiller C, Paapsi K, Troussard X, Smits S, *et al.* Comparative analysis of 5-year relative survival in adolescents and young adults with cancer relative to both children and adults in Europe (EUROCARE-6): Results from a population-based study. *European Journal of Cancer*. 2025;226. doi:10.1016/j.ejca.2025.115535.
- Trama A, Rossi S, Bennet D, Stiller C, Paapsi K, Troussard X, Botta L, *et al.* Corrigendum to “Comparative analysis of 5-year relative survival in adolescents and young adults with cancer relative to both children and adults in Europe (EUROCARE-6): Results from a population-based study” [Eur. J. Cancer 2025 Aug 26;226:115535. (European Journal of Cancer (2025) 226, (S095980492500317X), (10.1016/j.ejca.2025.115535))]. *European Journal of Cancer*. 2025;229. doi:10.1016/j.ejca.2025.115767.
- Trevisan C, Damiano C, Dai L, Calderón-Larrañaga A, Wastesson JW, Johnell K, Vetrano DL, *et al.* Comorbidity patterns and the risk of injurious falls in older people with atrial fibrillation: Findings from a Swedish nation-wide population-based study. *European Journal of Internal Medicine*. 2025;132:97-105. doi:10.1016/j.ejim.2024.11.011.
- Trier X, Van-Leeuwen SPJ, Brambilla G, Weber R, Webster TF. The critical role of commercial analytical reference standards in the control of chemical risks: the case of PFAS and ways forward. *Environmental Health Perspectives*. 2025;133(1). doi:10.1289/EHP12331.
- Triggiano F, Veschetti E, Veneri F, Montagna MT, Giglio OD. Best practices for disinfection in dental settings: insights from Italian and European regulations. *Annali di Igiene Medicina Preventiva e di Comunità*. 2025;37(2):292-301. doi:10.7416/ai.2024.2670.
- Tripathi T, Uversky VN, Giuliani A. ‘Intelligent’ proteins. *Cellular and Molecular Life Sciences*. 2025;82(1). doi:10.1007/s00018-025-05770-1.
- Tripathi T, Uversky VN, Giuliani A. Intelligence of matter: rise of a new style of doing science and scientific thinking? *Systems*. 2025;13(12). doi:10.3390/systems13121072.
- Troell K, Stensvold CR, Sannella AR, Betson M, Östlund E, Chalmers RM, Cacciò SM, *et al.* Design, development, and testing of a new multi-locus sequence typing scheme for the zoonotic pathogen *Cryptosporidium parvum*. *Current Research in Parasitology and Vector-Borne Diseases*. 2025;8. doi:10.1016/j.crpvbd.2025.100308.
- Tsuchiya M, Yoshikawa K, Giuliani A. Genomic-thermodynamic phase synchronization: Maxwell’s demon-like regulation of cell fate transition. *International Journal of Molecular Sciences*. 2025;26(10). doi:10.3390/ijms26104911.
- Tucci G, Pacella I, Pinzon Grimaldos A, Rossi A, Cammarata I, Zagaglioni M, Piconese S, *et al.* TNF Production or TNFR2 expression characterize distinct states of regulatory T cells that cooperate in treg expansion in cancer and chronic inflammation. *European Journal of Immunology*. 2025;55(9). doi:10.1002/eji.70062.
- Tucci M, Sabangan JI, Cruz Viggi C, Bertaccini L, Iosi F, D’Ugo E, Aulenta F, *et al.* Magnetite nanoparticles enhancing H₂-driven biomethanation in a mixed microbial community. *Global Challenges*. 2025;9(9). doi:10.1002/gch2.202500367.
- Tundo GR, Atzori MG, Boccaccini A, Cavaterra D, Bocedi A, Graziani G, Sbardella D, *et al.* High-glucose stimulation triggers early transcription of a panel of proinflammatory mediators in rat Muller glia cells and retina primary explants. *Acta Diabetologica*. 2025;62(12):2121-2127. doi:10.1007/s00592-025-02543-x.
- Turchi A, Pedrazzi G, Mattiussi A, Labriola M, Petrone D, Rinalduzzi S, Giacomini G, Pace D. Skin marks in capitoline dolphins shed light on threats to the population at the Tiber river estuary (Mediterranean Sea). *Aquatic Conservation: Marine and Freshwater Ecosystems*. 2025;35(4). doi:10.1002/aqc.70135.
- Turchi A, Pedrazzi G, Mattiussi A, Labriola MS, Petrone D, Rinalduzzi S, Giacomini G, Pace DS. Modeling skin mark temporal variations to estimate the sex of delphinids with low sexual dimorphism: implications for management and conservation. *Integrative Zoology*. 2025. doi:10.1111/1749-4877.13030.

- Udom GJ, Abdulyekeen BR, Osakwe MO, Ezejiofor AN, Orish CN, Orish FC, Frazzoli C, Orisakwe OE. Reconsideration of the health effects of monosodium glutamate: from bench to bedside evidence. *Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis*. 2025;43(1):51-81. doi:10.1080/26896583.2024.2415202.
- Udom GJ, Iyaye D, Oritsemuelebi B, Nwanaforo E, Bede-Ojimadu O, Abdulai PM, Frazzoli C, Orisakwe OE. Public health concerns of multifaceted exposures to metal and metalloid mixtures: a systematic review. *Environmental Monitoring and Assessment*. 2025;197(5). doi:10.1007/s10661-025-13963-1.
- Udom GJ, Oritsemuelebi B, Frazzoli C, Bocca B, Ruggieri F, Orisakwe OE. Heavy metals and derangement in carbohydrate metabolism in eye diseases: a systematic review. *Vestnik Oftalmologii*. 2025;141(2):89-100. doi:10.17116/oftalma202514102189.
- Umhang G, Bastien F, Cartet A, Ahmad H, van der Ark K, Berg R, Boué F, *et al.* Detection of *Echinococcus* spp. and other taeniid species in lettuces and berries: Two international multicenter studies from the MEME project. *International Journal of Food Microbiology*. 2025;430. doi:10.1016/j.ijfoodmicro.2025.111059.
- Urakcheeva I, Ciccarelli P, Tenti M, Torre M, Toccaceli V. Understanding patients' emotional well-being, perceptions and concerns during an unprecedented deferment of arthroplasty: an Italian qualitative study. *BMJ Open*. 2025;15(1). doi:10.1136/bmjopen-2023-083598.
- Urbanelli L, Delo F, Cerrotti G, Albertini E, Lucci J, Buratta S, Emiliani C, *et al.* Cross-kingdom communication via plant-derived extracellular vesicle nucleic acids in genetically engineered *Nicotiana tabacum*. *Genes*. 2025;16(3). doi:10.3390/genes16030356.
- Vacca P, Vescio F, D'Ancona F, Fazio C, Neri A, Carannante A, Stefanelli P, *et al.* *Neisseria meningitidis* serogroup B causing invasive disease, Italy, 2010–2021. *PLOS ONE*. 2025;20(12). doi:10.1371/journal.pone.0337446.
- Vaccaro R, Lorenzini P, Giaquinto F, Matascioli F, Carnevale G, Sciancalepore F, Bergonzini E, *et al.* Neuropsychological tests at the Italian Centers for Cognitive Disorders and Dementias: results from a survey on 450 specialized services. *Aging Clinical and Experimental Research*. 2025;37(1). doi:10.1007/s40520-024-02869-6.
- Vaianella L, Bove R, Giuliani A, Pavino V, Guglielmi V, Giacomini G, Bizzarro A, *et al.* Assessing brain vascular impairment, white matter lesions and ApoE status as predictors of behavioral and psychological symptoms of dementia (BPSD) in a multicentre sample of patients with Alzheimer's disease: a multidisciplinary retrospective study. *Ann Ist Super Sanita*. 2025;61(1):42-49. doi:10.4415/ANN_25_01_06.
- Vaianella L, Nisticò L, Giacomini G, Gigantesco A, Medda E. Psychological distress and its impact on the onset of lasting neurological symptoms during the pandemic: evidence from the Italian Twin Registry. *Ann Ist Super Sanita*. 2025;61(2):125-131. doi:10.4415/ANN_25_02_05.
- Valletta M, Canevelli M, Gasparini F, Buscarnera S, Salzillo M, Triolo F, Grande G, *et al.* Multimorbidity and fluid biomarkers of Alzheimer's disease: a systematic review. *European Geriatric Medicine*. 2025;16(4):1121-1136. doi:10.1007/s41999-025-01222-y.
- Valletta M, Vetrano DL, Gregorio C, Rizzuto D, Winblad B, Canevelli M, Grande G, *et al.* Blood biomarkers of Alzheimer's disease and progression across different stages of cognitive decline in the community. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-66728-2.
- Valli R, Colucci A, Gallo P, Santolini G, Belasio EF, Schwarz M, Iavicoli S, *et al.* The added value of Web Listening Analysis to understand communication needs regarding HIV, AIDS, and STDs in Italy. *Annali di Igiene Medicina Preventiva e di Comunità*. 2025;37(6):816-826. doi:10.7416/ai.2025.2713.
- van Kleef E, Van Bortel W, Arsevska E, Busani L, Dellicour S, Di Domenico L, Poletto C, *et al.* Modelling practices, data provisioning, sharing and dissemination needs for pandemic decision-making: a European survey-based modellers' perspective, 2020 to 2022. *Eurosurveillance*. 2025;30(42). doi:10.2807/1560-7917.ES.2025.30.42.2500216.
- Vanhee C, Deconinck E, George M, Hansen A, Hackl A, Wollein U, Miquel M, *et al.* The occurrence of illicit smart drugs or nootropics in Europe and Australia and their associated dangers: results from a market surveillance study by 12 Official Medicines Control Laboratories. *Journal of Xenobiotics*. 2025;15(3). doi:10.3390/jox15030088.
- Varini C, Manganelli M, Scardala S, Antonelli P, Losasso C, Testai E. An update of tetrodotoxins toxicity and risk assessment associated to contaminated seafood consumption in Europe: a systematic review. *Toxins*. 2025;17(2). doi:10.3390/toxins17020076.
- Varrone E, Consagra L, Carnicelli D, Galassi E, Munari B, Porcellini E, Brigotti M, *et al.* An antibiotic derivative as a new potential tool in the prevention of hemolytic uremic syndrome. *iScience*. 2025;28(8). doi:10.1016/j.isci.2025.113076.

- Vatta P, Cacciò SM. Detection of parasites in food and water matrices by shotgun metagenomics: A narrative review. *Food and Waterborne Parasitology*. 2025;39. doi:10.1016/j.fawpar.2025.e00265.
- Veltri G, Peloso A, Cani A, Mariotto E, Corallo D, Aveic S, Serafin V, *et al*. NFATc1 and NFATc2 regulate glucocorticoid resistance in pediatric T-cell acute lymphoblastic leukemia through modulation of cholesterol biosynthesis and the WNT/ β -catenin pathway. *Haematologica*. 2025;111(3):828-842. doi:10.3324/haematol.2025.287651.
- Veltro F, Latte G, Serafini U, Zappone L, Gigantesco A. Psychoeducational group for acute psychiatric care. The Italian experience and suggestions for future needs. *Ann Ist Super Sanita*. 2025;61(4):239-249. doi:10.4415/ANN_25_04_02.
- Vener C, Lillini R, De Angelis R, Bonfarnuzzo S, Poirel HA, Trama A, Sant M, *et al*. Long-term survival for myeloid neoplasms and national health expenditure: A EURO CARE-6 retrospective, population-based study. *European Journal of Cancer*. 2025;220. doi:10.1016/j.ejca.2025.115231.
- Veneri C, Ferraro GB, Congiu D, Franco A, Brandtner D, Mancini P, Matteo D, *et al*. Wastewater-based surveillance of human adenoviruses in ITALY: quantification by digital PCR and molecular typing via nanopore amplicon sequencing. *Viruses*. 2025;17(6). doi:10.3390/v17060791.
- Ventura IB, Goldberg ME, Schiffenbauer A, Shi M, Volochayev R, Jackson SH, Rider LG, *et al*. Stressful life events are associated with the diagnosis of systemic autoimmune rheumatic diseases among adults. *Clinical and Experimental Rheumatology*. 2025;43(1):21-27. doi:10.55563/clinexprheumatol/slj5sf.
- Venturi G, Gallinaro A, Fortuna C, Pirillo MF, Scoglio A, Di Carlo B, Negri D, *et al*. Viral and immune profiles during the first wave of SARS-CoV-2 infection in hospitalized patients in Sardinia, Italy. *Scientific Reports*. 2025;15(1). doi:10.1038/s41598-025-90324-5.
- Venturini G, Ferrante A, Carlo ND, Bertuccini L, Iosi F, Condello M, Martire A, Fratini F, Boussadia Z. Improvement of small extracellular vesicle isolation from mouse model blood. 2025;6(4):1034-1053. doi:10.20517/evcna.2025.90.
- Verdino A, Scafuri B, Parrone D, D'Arminio N, Pascarella S, Via A, Marabotti A. Finding second-generation pharmacochaperones: getting help from computational methods. *Encyclopedia of Bioinformatics and Computational Biology*. 2025:Vol6-689. doi:10.1016/B978-0-323-95502-7.00202-5.
- Vergori A, Del Duca G, Lorenzini P, Brita AC, Mastroirosa I, Fusto M, Pinnetti C, *et al*. Impact of switching from efavirenz/emtricitabine/tenofovir disoproxil fumarate to bictegravir/emtricitabine/tenofovir alafenamide on psychiatric symptoms and neurocognition. *AIDS*. 2025;39(3):270-275. doi:10.1097/QAD.0000000000004043.
- Vetrugno V, Ladogana A, De Angelis V. Revision and update of the position paper on the management of notifications of donors with Creutzfeldt-Jakob disease in Italy. *Blood Transfusion*. 2025;23(2):158-167. doi:10.2450/BloodTransfus.829.
- Vicentini C, Bordino V, Bresciano L, Di Giacomo S, D'Ancona F, Zotti CM, Vecchi E, *et al*. Application of an updated methodology to estimate the burden of healthcare-associated infections in Italy, 2022. *Eurosurveillance*. 2025;30(18). doi:10.2807/1560-7917.ES.2025.30.18.2400812.
- Vicentini C, Bussolino R, Perego M, Silengo D, D'Ancona F, Finazzi S, Zotti CM. Inverse probability weighting leads to more accurate incidence estimates for healthcare-associated infections in intensive care units – results from two national surveillance systems. *Journal of Hospital Infection*. 2025;155:73-81. doi:10.1016/j.jhin.2024.10.009.
- Vicentini C, Russotto A, Bussolino R, Castagnotto M, Gastaldo C, Bazzolo S, Zotti CM, *et al*. Quality indicators for appropriate inpatient antibiotic use: results from two national surveys in Italy, 2016–2022. *Journal of Hospital Infection*. 2025;160:34-44. doi:10.1016/j.jhin.2025.03.007.
- Vici A, Zeuner A, Giuliani A. Detecting very weak signals: a mixed strategy to deal with biologically relevant information. *Algorithms*. 2025;18(9). doi:10.3390/a18090581.
- Vidali M, Trenti T, Pacifici R. Toward a future of uniformity in toxicological analysis: The importance of standardization. *Biochimica Clinica*. 2025;49(2):103-104. doi:10.23736/S0393-0564.25.00039-1.
- Vieiros M, Almeida-Toledano L, Serra-Delgado M, Navarro-Tapia E, Ramos-Triguero A, Muñoz-Lozano C, Andreu-Fernández V, *et al*. Effects of maternal drinking patterns and epigallocatechin-3-gallate treatment on behavioural and molecular outcomes in a mouse model of fetal alcohol spectrum disorders. *Biomedicine and Pharmacotherapy*. 2025;187. doi:10.1016/j.biopha.2025.118138.

- Viglione A, Delli Colli C, Poggini S, Mobasher M, Vai B, Poletti S, Benedetti F, Branchi I. A network-based approach reveals higher plasticity levels in bipolar than major depressive disorder. *Journal of Affective Disorders*. 2025;387. doi:10.1016/j.jad.2025.119549.
- Vincentini O, Pricci F, Silano M, Agrimi U, Iacoponi F, Villa M, Bosi E, *et al.* Study protocol of D1Ce Screen: A pilot project of the Italian national screening program for type 1 diabetes and coeliac disease in the paediatric population. *PLOS ONE*. 2025;20(8). doi:10.1371/journal.pone.0328624.
- Vinci GV, Mattia M. Escape time in bistable neuronal populations driven by colored synaptic noise. *Physical Review Research*. 2025;7(2). doi:10.1103/PhysRevResearch.7.023172.
- Vitale A, Pollo S, Kostomitsopoulos N, Thomas A, Kaya G, Bicici K, Ulman YI. The Istanbul workshop organised by the 'IMPROVE' COST action ethics crossover group. *Alternatives to Laboratory Animals*. 2025;53(4):232-235. doi:10.1177/02611929251345074.
- Vitanza L, Coccia AM, Peluso A, Brandtner D, Muratore A, Ferrara F, Briancesco R, *et al.* Global mapping and environmental drivers of epipelagic bacterial communities in the open oceans. *Frontiers in Marine Science*. 2025;12. doi:10.3389/fmars.2025.1625011.
- Vivarelli C, Calcagnini G, Censi F, Pavoncello S, Franci D, Burriesci G, Mattei E. Protection of population and workers with cardiac implantable stimulators from 5G exposure. Part I: mobile terminal exposure. *European Physical Journal Plus*. 2025;140(1). doi:10.1140/epjp/s13360-024-05945-y.
- Vivarelli C, Calcagnini G, Censi F, Pavoncello S, Franci D, Burriesci G, Mattei E. Protection of population and workers with cardiac implantable stimulators from 5G exposure. Part II: base station antennas exposure. *European Physical Journal Plus*. 2025;140(3). doi:10.1140/epjp/s13360-025-06167-6.
- Vivarelli C, Mattei E, Mancini M, Porciello G, Al Naqshbandi H, Salaris A, Ottaviani C, Calcagnini G. Assessment of the efficacy of LBNP stimulation in fMRI studies. *Convegno Nazionale di Bioingegneria*. 2025.
- Vivarelli C, Mattei E, Ricci F, D'Eramo S, Calcagnini G. A tool for the assessment of electromagnetic compatibility in active implantable devices: the pacemaker physical twin. *Bioengineering*. 2025;12(7). doi:10.3390/bioengineering12070689.
- Vona R, Cittadini C, Ortona E, Matarrese P. Sex disparity in cancer: role of autophagy and estrogen receptors. *Cells*. 2025;14(4). doi:10.3390/cells14040273.
- Vuong TT, Cazzaniga FA, Tran L, Våge J, Bari MD, Pirisinu L, Benestad SL, *et al.* Prions in muscles of cervids with chronic wasting disease, Norway. *Emerging Infectious Diseases*. 2025;31(2):246-255. doi:10.3201/eid3102.240903.
- Toscanelli W, Fracella M, De Angelis M, Scagnolari C, Sorrentino L, Piselli E, Nencioni L, *et al.* NRF2 Antioxidant response and interferon-stimulated genes are differentially expressed in SARS-CoV-2-positive young subjects. *Immunity, Inflammation and Disease* 2025;13(1). doi:10.1002/iid3.70109.
- Ward DD, Flint JP, Littlejohns TJ, Foote IF, Canevelli M, Wallace LMK, Stolz E, *et al.* Frailty trajectories preceding dementia in the US and UK. *JAMA Neurology*. 2025;82(1):61-71. doi:10.1001/jamaneurol.2024.3774.
- West N, Boz V, Zanotta N, Cason C, Campisciano G, Casuccio A, Comar M, *et al.* Human papillomavirus: an old new history. *Pathogens*. 2025;14(10). doi:10.3390/pathogens14101043.
- Wijnbergen D, Queralt-Rosinach N, Barbié V, Verkinderen E, Benis N, Jacobsen A, Mina E, *et al.* FAIR in practice: minimum metadata schema for bioinformatics analytics by machines. *CEUR Workshop Proceedings*. 2025;4196:240-241.
- Wilkins N, Crotta M, Hammami P, Di Bartolo I, Widgren S, Andraud M, Simons RRL. A farm-to-consumption quantitative microbiological risk assessment for hepatitis E in pigs. *Risk Analysis*. 2025;45(9):2697-2712. doi:10.1111/risa.70035.
- Winkler R, Comas-Armangué G, Corujo D, Sanz-Moreno A, Calzada-Wack J, Bhattacharya SA, Buschbeck M, *et al.* Loss of histone macroH2A1.1 causes kidney abnormalities secondary to a change in nutrient metabolism. *Science Advances* 2025;11(43). doi:10.1126/sciadv.adz1242.
- Wu X, Hu H, Wang Y, Fauci AJ, Zhang Y, Song W, Ji Z, *et al.* Clinical research report on Chinese patent medicines and classic traditional Chinese medicine prescriptions (2023). *Digital Chinese Medicine*. 2025;8(2):123-136. doi:10.1016/j.dcm.2025.06.001.
- Yang Y, Knoll MD, Herbert C, Bennett JC, Feikin DR, Garcia Quesada M, Hayford K, *et al.* Global impact of 10- and 13-valent pneumococcal conjugate vaccines on pneumococcal meningitis in all ages: The PSERENADE project. *Journal of Infection*. 2025;90(3). doi:10.1016/j.jinf.2025.106426.

- Yu Y, Gola M, Settimo G, Capolongo S. Can the building make a difference to user's health in indoor environments? The influence of PM2.5 vertical distribution on the IAQ of a student house over two periods in Milan in 2024. *Atmosphere*. 2025;16(8). doi:10.3390/atmos16080936.
- Zamagni G, Concina F, Pani P, Gorini G, Asta F, Mastrobattista L, Bino E, *et al*. Use and susceptibility of youth aged 13-15 years to cigarettes, e-cigarettes and heated tobacco products: results of the Global Youth Tobacco Survey 2022 in eight Italian regions. *European Journal of Public Health*. 2025;35(5):930-937. doi:10.1093/eurpub/ckaf126.
- Zamagni G, Minardi V, Masocco M, Asta F, Candido R, Tornese G, Monasta L, *et al*. Correction: Socioeconomic and health disparities in adults diagnosed with type 1 diabetes mellitus before age 18: insights from the Italian PASSI surveillance system (Frontiers in Public Health, (2025), 13, (1655035), 10.3389/fpubh.2025.1655035). *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1715382.
- Zamagni G, Minardi V, Masocco M, Asta F, Candido R, Tornese G, Monasta L, *et al*. Socioeconomic and health disparities in adults diagnosed with type 1 diabetes mellitus before age 18: insights from the Italian PASSI surveillance system. *Frontiers in Public Health*. 2025;13. doi:10.3389/fpubh.2025.1655035.
- Zambri F, Decenti EC, Maraschini A, Preziosi J, Tambascia G, Di Stefano V, Giusti A, *et al*. Caesarean section rate trend in the Calabria Region according to Robson's Ten Group Classification System: a population-based study. *Recenti Progressi in Medicina*. 2025;116(9):513-521. doi:10.1701/4556.45575.
- Zambri F, Di Stefano V, Di Nolfi A, Vatta B, Lubbock A, Tamburlini G, Giusti A, *et al*. Paternity and parental leave in Italy: the parents' perspective. *Ann Ist Super Sanita*. 2025;61(3):199-208. doi:10.4415/ANN_25_03_06.
- Zanotta N, West N, Cason C, degli Ivanissevich S, Meneghel A, Righi F, Comar M, *et al*. New trends in sexually transmitted infections among adolescents and young people: epidemiology, clinical and diagnostic management. *Microorganisms*. 2025;13(6). doi:10.3390/microorganisms13061411.
- Zappalà A, Volti GL, Serapide MF, Pellitteri R, Falchi M, Delia FL, Cicirata V, Cicirata F. Erratum: Expression of Concern Regarding "Expression of pannexin2 protein in healthy and ischemized brain of adult rats" [Neuroscience 148 (2007) 653–667, (S0306452207007907), (10.1016/j.neuroscience.2007.06.028)]. *Neuroscience*. 2025;565. doi:10.1016/j.neuroscience.2024.11.016.
- Zaza A, Zardo G, Banella C, Tucci S, de Marinis E, Gentile M, Noguera NI, *et al*. PML::RARα+ myeloid cells display metabolic alterations that can be targeted to treat resistant/relapse acute promyelocytic leukemias. *Leukemia*. 2025;39(11):2708-2720. doi:10.1038/s41375-025-02738-9.
- Zedda M. Making open access: History, developments and new challenges. *Recenti Progressi in Medicina*. 2025;116(2):89-99. doi:10.1701/4450.44440.
- Zenesini C, Cascini S, Picariello R, Profili F, Belotti LMB, Maniscalco L, Matranga D, *et al*. Hypertension, diabetes and depression as modifiable risk factors for dementia: a common data model approach in a population-based cohort, with study protocol and preliminary results. *Journal of Clinical Medicine*. 2025;14(18). doi:10.3390/jcm14186622.
- Zenobi E, Gramigna G, Scatena E, Panizza L, Achille C, Pecci R, Ledda M, *et al*. Three-dimensional-printed biomimetic scaffolds for investigating osteoblast-like cell interactions in simulated microgravity: an in vitro platform for bone tissue engineering research. *Journal of Functional Biomaterials*. 2025;16(8). doi:10.3390/jfb16080271.
- Zhang J, Zhang B, Fauci AJ, Lee MS, Wieland LS, Majd I, Pang B, *et al*. The Rome consensus: good clinical trials for traditional medicine. *Acupuncture and Herbal Medicine*. 2025;5(3):272-272. doi:10.1097/HM9.0000000000000167.
- Zhang J, Zhang B, Fauci AJ, Lee MS, Wieland LS, Majd I, Pang B. The Rome consensus: Good clinical trials for traditional medicine. *Integrative Medicine Research*. 2025;14(3). doi:10.1016/j.imr.2025.101211.
- Ziccardi L, Barbano L, D'Andrea M, Bruselles A, Dell'Aquila C, Niceta M, Cordeddu V, *et al*. Variable Ophthalmologic Phenotypes Associated with Biallelic Loss-of-Function Variants in POMGNT1. *International Journal of Molecular Sciences*. 2025;26(7). doi:10.3390/ijms26073278.
- Zoni R, Palandri L, Mezzetta S, Fontana S, Colucci ME, Affanni P, Veronesi L, *et al*. Tracking enterovirus and poliovirus circulation in Parma: Environmental surveillance from 2019 to 2024. *Acta Biomedica*. 2025;96(3). doi:10.23750/abm.v96i3.17076.
- Zoratto F, Pisa E, Soldati C, Di Bartolomeo M, Paglialunga G, Piccinini A, Macrì S, *et al*. Consumption of the prebiotic-rich chicory taproot contrasts the cognitive and motivational consequences of chronic corticosterone exposure and

- modulates gut microbiota composition in mice. *Biological Psychiatry Global Open Science*. 2025;5(4). doi:10.1016/j.bpsgos.2025.100520.
- Zovi A, Polito G, Caprodossi A, Sabbatucci M, Sorrentino R, Vitiello A. Strategies in using artificial intelligence to combat antimicrobial resistance. *Recenti progressi in medicina*. 2025;116(3):168-174. doi:10.1701/4460.44557.
- Zribi S, Giannitelli GJ, Bernardini L, Censi F, Camerini S, Bertuccini L, Pajalunga D, *et al*. Structural obstruction to full DNA replication in terminally differentiated skeletal muscle cells. *EMBO Reports*. 2025;26(19):4633-4655. doi:10.1038/s44319-025-00554-x.
- Zuniga YMH, Zumla A, Zuhlke LJ, Zoladl M, Ziaecian B, Zhong C, Nikoobar A, *et al*. Characterising acute and chronic care needs: insights from the Global Burden of Disease Study 2019. *Nature Communications*. 2025;16(1). doi:10.1038/s41467-025-56910-x.

*Serie Rapporti ISTISAN
numero di luglio 2026, 3° Suppl.*

*Stampato in proprio
Servizio Comunicazione Scientifica – Istituto Superiore di Sanità*

Roma, luglio 2026