

Matteo Vitali

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

2,405
citations

172457

29
h-index

276875

41
g-index

122
all docs

122
docs citations

122
times ranked

3116
citing authors

#	ARTICLE	IF	CITATIONS
1	Phthalate esters in freshwaters as markers of contamination sources—a site study in Italy. <i>Environment International</i> , 1997, 23, 337-347.	10.0	153
2	Second-hand smoke generated by combustion and electronic smoking devices used in real scenarios: Ultrafine particle pollution and age-related dose assessment. <i>Environment International</i> , 2017, 107, 190-195.	10.0	94
3	The New Danger of Thirdhand Smoke: Why Passive Smoking Does Not Stop at Secondhand Smoke. <i>Environmental Health Perspectives</i> , 2011, 119, A422.	6.0	81
4	Serum S100B protein as a marker of severity in Covid-19 patients. <i>Scientific Reports</i> , 2020, 10, 18665.	3.3	68
5	Heavy Metal Pollution and Potential Ecological Risks in Rivers: A Case Study from Southern Italy. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 75-80.	2.7	63
6	Environmental Electronic Vape Exposure from Four Different Generations of Electronic Cigarettes: Airborne Particulate Matter Levels. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2172.	2.6	59
7	A prophylactic multi-strain probiotic treatment to reduce the absorption of toxic elements: In-vitro study and biomonitoring of breast milk and infant stools. <i>Environment International</i> , 2019, 130, 104818.	10.0	50
8	Determination of pesticide residues in wine by SPME and GC/MS for consumer risk assessment. <i>Food Additives and Contaminants</i> , 1998, 15, 280-287.	2.0	49
9	Optimization and validation of a fast digestion method for the determination of major and trace elements in breast milk by ICP-MS. <i>Analytica Chimica Acta</i> , 2018, 1040, 49-62.	5.4	48
10	Temporal evolution of ultrafine particles and of alveolar deposited surface area from main indoor combustion and non-combustion sources in a model room. <i>Science of the Total Environment</i> , 2017, 598, 1015-1026.	8.0	47
11	Exposure to Organic Solvents among Handicraft Car Painters: A Pilot Study in Italy. <i>Industrial Health</i> , 2006, 44, 310-317.	1.0	46
12	Urinary trans, trans-muconic acid and S-phenylmercapturic acid are indicative of exposure to urban benzene pollution during childhood. <i>Science of the Total Environment</i> , 2012, 435-436, 115-123.	8.0	46
13	Monitoring of Traffic-Related Pollution in a Province of Central Italy with Transplanted Lichen <i>Pseudovernia furfuracea</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 852-858.	2.7	44
14	Benzene exposure in childhood: Role of living environments and assessment of available tools. <i>Environment International</i> , 2010, 36, 779-787.	10.0	44
15	Urinary levels of trace elements among primary school-aged children from Italy: The contribution of smoking habits of family members. <i>Science of the Total Environment</i> , 2016, 557-558, 378-385.	8.0	44
16	Operative Modalities and Exposure to Pesticides During Open Field Treatments Among a Group of Agricultural Subcontractors. <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 193-202.	4.1	43
17	How home-smoking habits affect children: a cross-sectional study using urinary cotinine measurement in Italy. <i>International Journal of Public Health</i> , 2012, 57, 885-892.	2.3	41
18	Benchmark study on fine-mode aerosol in a big urban area and relevant doses deposited in the human respiratory tract. <i>Environmental Pollution</i> , 2016, 216, 530-537.	7.5	39

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19	A Method Validation for Simultaneous Determination of Phthalates and Bisphenol A Released from Plastic Water Containers. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2945.	2.5	39
20	Performance of Different Work Clothing Types for Reducing Skin Exposure to Pesticides During Open Field Treatment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 115-119.	2.7	38
21	A tobacco-related carcinogen: assessing the impact of smoking behaviours of cohabitants on benzene exposure in children. <i>Tobacco Control</i> , 2012, 21, 325-329.	3.2	35
22	Legionella control in the water system of antiquated hospital buildings by shock and continuous hyperchlorination: 5 years experience. <i>BMC Infectious Diseases</i> , 2014, 14, 394.	2.9	35
23	Determination of organic micropollutants in rain water for laboratory screening of air quality in urban environment. <i>Environment International</i> , 2000, 26, 23-28.	10.0	33
24	Structural Basis of Functional Diversification of the HD-GYP Domain Revealed by the <i>Pseudomonas aeruginosa</i> PA4781 Protein, Which Displays an Unselective Bimetallic Binding Site. <i>Journal of Bacteriology</i> , 2015, 197, 1525-1535.	2.2	33
25	Urinary biomarkers of exposure and of oxidative damage in children exposed to low airborne concentrations of benzene. <i>Environmental Research</i> , 2015, 142, 264-272.	7.5	33
26	Pedestrians in Traffic Environments: Ultrafine Particle Respiratory Doses. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 288.	2.6	33
27	The Carcinogenic Effects of Formaldehyde Occupational Exposure: A Systematic Review. <i>Cancers</i> , 2022, 14, 165.	3.7	33
28	A new rapid treatment of human hair for elemental determination by inductively coupled mass spectrometry. <i>Analytical Methods</i> , 2020, 12, 1906-1918.	2.7	32
29	Polycyclic Aromatic Hydrocarbons and Metals in Transplanted Lichen (<i>Pseudovernia furfuracea</i>) at Sites Adjacent to a Solid-waste Landfill in Central Italy. <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 66, 471-481.	4.1	30
30	Nonylphenols in freshwaters of the hydrologic system of an Italian district: association with human activities and evaluation of human exposure. <i>Chemosphere</i> , 2004, 57, 1637-1647.	8.2	29
31	Swimming attendance during childhood and development of asthma: Meta-analysis. <i>Pediatrics International</i> , 2017, 59, 614-621.	0.5	29
32	Air quality assessment in different environmental scenarios by the determination of typical heavy metals and Persistent Organic Pollutants in native lichen <i>Xanthoria parietina</i> . <i>Environmental Pollution</i> , 2019, 254, 113013.	7.5	29
33	Selective Determination of Se ⁴⁺ and Se ⁶⁺ Using SPME and GC/MS. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 414-416.	1.4	27
34	Biomarkers of oxidative stress to nucleic acids: Background levels and effects of body mass index and life-style factors in an urban paediatric population. <i>Science of the Total Environment</i> , 2014, 500-501, 44-51.	8.0	26
35	Evidences of copper nanoparticle exposure in indoor environments: Long-term assessment, high-resolution field emission scanning electron microscopy evaluation, in silico respiratory dosimetry study and possible health implications. <i>Science of the Total Environment</i> , 2019, 653, 1192-1203.	8.0	26
36	Phthalates and Bisphenol-A Determination and Release from Different Beverage Plastic Containers by Dispersive Liquid-Liquid Microextraction and GC-IT/MS Analysis. <i>Food Analytical Methods</i> , 2019, 12, 2562-2571.	2.6	25

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37	Simple and rapid method for the determination of mercury in human hair by cold vapour generation atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2019, 150, 104186.	4.5	25
38	Hydrogen sulfide in thermal spring waters and its action on bacteria of human origin. <i>Microchemical Journal</i> , 2013, 108, 210-214.	4.5	24
39	Assessing indoor air quality of school environments: transplanted lichen <i>Pseudovernia furfuracea</i> as a new tool for biomonitoring and bioaccumulation. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 358.	2.7	24
40	Totalp-Nitrophenol Determination in Urine Samples of Subjects Exposed to Parathion and Methyl-Parathion by SPME and GC/MS. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 628-630.	1.4	23
41	Potential testing of reprocessing procedures by real-time polymerase chain reaction: A multicenter study of colonoscopy devices. <i>American Journal of Infection Control</i> , 2018, 46, 159-164.	2.3	22
42	Monitoring COVID-19 Transmission Risks by Quantitative Real-Time PCR Tracing of Droplets in Hospital and Living Environments. <i>MSphere</i> , 2021, 6, .	2.9	22
43	Occupational scenarios and exposure assessment to formaldehyde: A systematic review. <i>Indoor Air</i> , 2022, 32, .	4.3	22
44	Ultrafine particles in domestic environments: Regional doses deposited in the human respiratory system. <i>Environment International</i> , 2018, 118, 134-145.	10.0	21
45	Impact of Electronic Alternatives to Tobacco Cigarettes on Indoor Air Particular Matter Levels. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2947.	2.6	21
46	Sensitive multiresidue method by HS-SPME/GC-MS for 10 volatile organic compounds in urine matrix: a new tool for biomonitoring studies on children. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5789-5800.	3.7	20
47	Metagenomic analysis of bacterial community in a travertine depositing hot spring. <i>New Microbiologica</i> , 2018, 41, 126-135.	0.1	20
48	Determination of Urinary Mercury and Methylmercury by Solid Phase Microextraction and GC/MS. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 665-666.	1.4	18
49	Occupational risk for <i>Legionella</i> infection among dental healthcare workers: meta-analysis in occupational epidemiology. <i>BMJ Open</i> , 2017, 7, e015374.	1.9	18
50	Transplanted Lichen <i>Pseudovernia furfuracea</i> as a Multi-Tracer Monitoring Tool Near a Solid Waste Incinerator in Italy: Assessment of Airborne Incinerator-Related Pollutants. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 95, 644-653.	2.7	17
51	Urinary reference ranges and exposure profile for lithium among an Italian paediatric population. <i>Science of the Total Environment</i> , 2018, 619-620, 58-64.	8.0	17
52	Where Do Ultrafine Particles and Nano-Sized Particles Come From?. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 1371-1390.	2.6	17
53	Profiling the Acute Effects of Modified Risk Products: Evidence from the SUR-VAPES (Sapienza) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Current Atherosclerosis Reports, 2020, 22, 8.	4.8	17
54	Microflora Thermarum Atlas project: biodiversity in thermal spring waters and natural SPA pools. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1472-1483.	2.1	16

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55	A randomized trial comparing the acute coronary, systemic, and environmental effects of electronic vaping cigarettes versus heat-not-burn cigarettes in smokers of combustible cigarettes undergoing invasive coronary assessment: rationale and design of the SUR-VAPES 3 trial. <i>Minerva Cardioangiologica</i> , 2020, 68, 548-555.	1.2	16
56	Family-based social determinants and child health: Cross-sectional study. <i>Pediatrics International</i> , 2017, 59, 201-208.	0.5	14
57	Comparative Indoor Pollution from Glo, Iqos, and Juul, Using Traditional Combustion Cigarettes as Benchmark: Evidence from the Randomized SUR-VAPES AIR Trial. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6029.	2.6	14
58	Exergames in Childhood Obesity Treatment: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4938.	2.6	14
59	Analytical Method Validation for Determining Organophosphorus Pesticides in Baby Foods by a Modified Liquid-Liquid Microextraction Method and Gas Chromatography-Ion Trap/Mass Spectrometry Analysis. <i>Food Analytical Methods</i> , 2019, 12, 41-50.	2.6	13
60	PAHs presence and source apportionment in honey samples: Fingerprint identification of rural and urban contamination by means of chemometric approach. <i>Food Chemistry</i> , 2022, 382, 132361.	8.2	13
61	Infection control in healthcare settings: perspectives for mfDNA analysis in monitoring sanitation procedures. <i>BMC Infectious Diseases</i> , 2016, 16, 394.	2.9	12
62	Oxidative Potential Associated with Urban Aerosol Deposited into the Respiratory System and Relevant Elemental and Ionic Fraction Contributions. <i>Atmosphere</i> , 2020, 11, 6.	2.3	12
63	Risks and Safety of CO ₂ Transport via Pipeline: A Review of Risk Analysis and Modeling Approaches for Accidental Releases. <i>Energies</i> , 2021, 14, 4601.	3.1	12
64	Statistical analysis of incidents on onshore CO ₂ pipelines based on PHMSA database. <i>Journal of Loss Prevention in the Process Industries</i> , 2022, 77, 104799.	3.3	12
65	Reference Intervals for Urinary Cotinine Levels and the Influence of Sampling Time and Other Predictors on Its Excretion Among Italian Schoolchildren. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 817.	2.6	11
66	How to manage the biological risk in a dental clinic: current and future perspectives. <i>Minerva Dental and Oral Science</i> , 2017, 66, 232-239.	1.0	11
67	Total-Chlorophenol Determination in Urine Samples of Subjects Exposed to Chlorobenzene, Using SPME and GC-MS. <i>Journal of High Resolution Chromatography</i> , 1999, 22, 427-428.	1.4	10
68	Direct fascia lata reconstruction to reduce donor site morbidity in endoscopic endonasal extended surgery: a pilot study. <i>Clinical Neurology and Neurosurgery</i> , 2016, 144, 59-63.	1.4	10
69	Urinary Mercury Levels and Predictors of Exposure among a Group of Italian Children. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9225.	2.6	10
70	Biomonitoring of Mercury in Hair among a Group of Eritreans (Africa). <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1911.	2.6	10
71	Application of non-invasive active infrared thermography for delamination detection in fresco. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107185.	4.9	10
72	Antimicrobial activity of a new intact skin antiseptis formulation. <i>American Journal of Infection Control</i> , 2003, 31, 117-123.	2.3	9

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73	Further Insights on Predictors of Environmental Tobacco Smoke Exposure during the Pediatric Age. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4062.	2.6	9
74	Evaluation of the Submicron Particles Distribution Between Mountain and Urban Site: Contribution of the Transportation for Defining Environmental and Human Health Issues. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1339.	2.6	9
75	Occupational Exposure Assessment of Major and Trace Elements in Human Scalp Hair Among a Group of Eritrean Workers. <i>Biological Trace Element Research</i> , 2020, 197, 89-100.	3.5	9
76	Levels of Polychlorinated Dibenzo-p-Dioxins/Furans and Polychlorinated Biphenyls in Free-Range Hen Eggs in Central Italy and Estimated Human Dietary Exposure. <i>Journal of Food Protection</i> , 2021, 84, 1455-1462.	1.7	9
77	Assessment of the Effectiveness of a Seasonal-Long Insecticide-Based Control Strategy against <i>Aedes albopictus</i> Nuisance in an Urban Area. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004463.	3.0	9
78	A Cross-Sectional Study on Prevalence and Predictors of Burnout among a Sample of Pharmacists Employed in Pharmacies in Central Italy. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	8
79	Environmental status of an Italian site highly polluted by illegal dumping of industrial wastes: The situation 15 years after the judicial intervention. <i>Science of the Total Environment</i> , 2021, 762, 144100.	8.0	8
80	Photocatalytic Treatments for Personal Protective Equipment: Experimental Microbiological Investigations and Perspectives for the Enhancement of Antimicrobial Activity by Micrometric TiO ₂ . <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8662.	2.6	8
81	Dataset of PAHs determined in home-made honey samples collected in Central Italy by means of DLLME-GC-MS and cluster analysis for studying the source apportionment. <i>Data in Brief</i> , 2022, 42, 108136.	1.0	8
82	Fast and Reliable Determination of Phthalic Acid Esters in the Blood of Marine Turtles by Means of Solid Phase Extraction Coupled with Gas Chromatography-Ion Trap/Mass Spectrometry. <i>Toxics</i> , 2021, 9, 279.	3.7	7
83	Comparison of Two Extraction Procedures, SPE and DLLME, for Determining Plasticizer Residues in Hot Drinks at Vending Machines. <i>Processes</i> , 2021, 9, 1588.	2.8	6
84	Exposure to individual and multiple carcinogenic metals during paediatric age: an experience from an Italian urban scenario. <i>Annali Di Igiene: Medicina Preventiva E Di Comunita</i> , 2017, 29, 494-503.	0.7	6
85	Determination of Urinary Pentachlorophenol by SPME and GC/MS. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 137-139.	1.4	5
86	River water quality assessment: comparison between old and new indices in a real scenario from Italy. <i>International Journal of River Basin Management</i> , 2015, 13, 325-331.	2.7	5
87	How Do Combustion and Non-Combustion Products Used Outdoors Affect Outdoor and Indoor Particulate Matter Levels? A Field Evaluation Near the Entrance of an Italian University Library. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5200.	2.6	5
88	Determination of 40 Elements in Powdered Infant Formulas and Related Risk Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5073.	2.6	5
89	Reusable Water Bottles: Release of Inorganic Elements, Phthalates, and Bisphenol A in a "Real Use" Simulation Experiment. <i>Separations</i> , 2021, 8, 126.	2.4	5
90	Protocols and self-checking plans for the safety of post-COVID-19 balneotherapy. <i>Acta Biomedica</i> , 2020, 91, 40-49.	0.3	5

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91	May SARS-CoV-2 Diffusion Be Favored by Alkaline Aerosols and Ammonia Emissions?. Atmosphere, 2020, 11, 995.	2.3	5
92	Prevention of infection spreading by cleaning and disinfecting: Different approaches and difficulties in communicating. American Journal of Infection Control, 2006, 34, 49-50.	2.3	4
93	How relevant are fathers who smoke at home to the passive smoking exposure of their children?. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 74-74.	1.5	4
94	Nanoparticle Behaviour in an Urban Street Canyon at Different Heights and Implications on Indoor Respiratory Doses. Atmosphere, 2019, 10, 772.	2.3	4
95	A Cross-Sectional Study on Benzene Exposure in Pediatric Age and Parental Smoking Habits at Home. International Journal of Environmental Research and Public Health, 2020, 17, 5469.	2.6	4
96	Bacillus Calmette-Guérin vaccination and socioeconomic variables vs COVID-19 global features: Clearing up a controversial issue. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 884-887.	5.7	4
97	A "Dilute and Shoot" Liquid Chromatography-Mass Spectrometry Method for Multiclass Drug Analysis in Pre-Cut Dried Blood Spots. International Journal of Environmental Research and Public Health, 2021, 18, 3068.	2.6	4
98	What about Your Body Ornament? Experiences of Tattoo and Piercing among Italian Youths. International Journal of Environmental Research and Public Health, 2021, 18, 12429.	2.6	4
99	Advantages of Sodium Hypochlorite or Sodium Dichloroisocyanurate Disinfection for Teats and Bottles in Newborn Infants' Feeding. Public Health Nursing, 2008, 25, 103-105.	1.5	3
100	Determination of Selected Polychlorinated Dibenzo-p-dioxins/Furans in Marine Sediments by the Application of Gas-Chromatography-Triple Quadrupole Mass Spectrometry. Bulletin of Environmental Contamination and Toxicology, 2013, 90, 525-530.	2.7	3
101	Environment health and intraspecific biodiversity in T. tubifex: a preliminary analysis of a population from Apennines springs. International Journal of Environmental Science and Technology, 2014, 11, 461-468.	3.5	3
102	Swimming pool attendance during childhood and development of asthma: Reply. Pediatrics International, 2017, 59, 847-848.	0.5	3
103	Cancer Mortality Trend in Central Italy: Focus on A "Low Rate of Land Use" Area from 1982 to 2011. International Journal of Environmental Research and Public Health, 2019, 16, 628.	2.6	3
104	Adverse effects related to tattoos in the community setting: a systematic review. Journal of Epidemiology and Community Health, 2021, 75, 1023-1028.	3.7	3
105	Validation of Velocity Field Measured with Particle Image Velocimetry of a Partially Heated Cavity. Heat Transfer Engineering, 2023, 44, 141-153.	1.9	3
106	Development of the laboratory prototype "CavyPool" for assessing treatments and materials for swimming pools. Annali Di Igiene: Medicina Preventiva E Di Comunita, 2017, 29, 548-560.	0.7	3
107	The water supply of Rome: an "almost" unique case. Rendiconti Lincei, 2016, 27, 67-81.	2.2	2
108	Lichen transplants for high spatial resolution biomonitoring of Persistent Organic Pollutants (POPs) in a multi-source polluted area of Central Italy. Ecological Indicators, 2021, 120, 106921.	6.3	2

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109	Passive Vaping from Sub-Ohm Electronic Cigarette Devices. International Journal of Environmental Research and Public Health, 2021, 18, 11606.	2.6	2
110	PM Dimensional Characterization in an Urban Mediterranean Area: Case Studies on the Separation between Fine and Coarse Atmospheric Aerosol. Atmosphere, 2022, 13, 227.	2.3	2
111	Exposure Profile to Traffic Related Pollution in Pediatric Age: A Biomonitoring Study. International Journal of Environmental Research and Public Health, 2021, 18, 10118.	2.6	1
112	Assessing Undergraduates' Perception of Risks Related to Body Art in Italy: The SUPeRBA Multicenter Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2021, 18, 9233.	2.6	1
113	Applications of SPME for the biomonitoring of human exposure to toxic substances. RSC Chromatography Monographs, 0, , 557-572.	0.1	1
114	High spatial resolution analysis of polybrominated diphenyl ethers (PBDEs) using transplanted lichen Evernia prunastri: A case study in central Italy. Science of the Total Environment, 2020, 742, 140590.	8.0	0
115	Where Do Ultrafine Particles and Nano-Sized Particles Come From?. Advances in Alzheimer's Disease, 2021, , .	0.2	0