

Marco Trifuoggi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117 papers	1,692 citations	25 h-index	35 g-index
126 ext. papers	2,236 ext. citations	5 avg, IF	5.02 L-index

#	Paper	IF	Citations
117	Advances in the Fate of Rare Earth Elements, REE, in Transitional Environments: Coasts and Estuaries. <i>Water (Switzerland)</i> , 2022 , 14, 401	3	6
116	Heterogeneous Photodegradation for the Abatement of Recalcitrant COD in Synthetic Tanning Wastewater. <i>ChemEngineering</i> , 2022 , 6, 25	2.6	
115	Particulate matter and polycyclic aromatic hydrocarbon uptake in relation to leaf surface functional traits in Mediterranean evergreens: Potentials for air phytoremediation.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 129029	12.8	0
114	Bioremoval of Yttrium (III), Cerium (III), Europium (III), and Terbium (III) from Single and Quaternary Aqueous Solutions Using the Extremophile <i>Galdieria sulphuraria</i> (Galdieriaceae, Rhodophyta). <i>Plants</i> , 2022 , 11, 1376	4.5	3
113	Genotoxicity Set Up in <i>Artemia franciscana</i> Nauplii and Adults Exposed to Phenanthrene, Naphthalene, Fluoranthene, and Benzo(k)fluoranthene. <i>Water (Switzerland)</i> , 2022 , 14, 1594	3	0
112	Comparative Fatty Acid Profiling of Edible Fishes in Kuala Terengganu, Malaysia. <i>Foods</i> , 2021 , 10,	4.9	4
111	Evaluation of Microbial Communities of Bottled Mineral Waters and Preliminary Traceability Analysis Using NGS Microbial Fingerprints. <i>Water (Switzerland)</i> , 2021 , 13, 2824	3	0
110	Safety and Efficacy Evaluation In Vivo of a Cationic Nucleolipid Nanosystem for the Nanodelivery of a Ruthenium(III) Complex with Superior Anticancer Bioactivity. <i>Cancers</i> , 2021 , 13,	6.6	6
109	Mitigating the pro-oxidant state and melanogenesis of Retinitis pigmentosa: by counteracting mitochondrial dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 7491-7503	10.3	1
108	Review of Rare Earth Elements as Fertilizers and Feed Additives: A Knowledge Gap Analysis. <i>Archives of Environmental Contamination and Toxicology</i> , 2021 , 81, 531-540	3.2	19
107	Re-definition and supporting evidence toward Fanconi Anemia as a mitochondrial disease: Prospects for new design in clinical management. <i>Redox Biology</i> , 2021 , 40, 101860	11.3	2
106	Homogeneous Catalysis and Heterogeneous Recycling: A Simple Zn(II) Catalyst for Green Fatty Acid Esterification. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6001-6011	8.3	6
105	Comparative toxicity of ionic and nanoparticulate zinc in the species <i>Cymodoce truncata</i> , <i>Gammarus aequicauda</i> and <i>Paracentrotus lividus</i> . <i>Environmental Science and Pollution Research</i> , 2021 , 28, 42891-42900	5.1	1
104	Research Progress in Transfer, Accumulation and Effects of Microplastics in the Oceans. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 433	2.4	3
103	Combined Effects of Wildfire and Vegetation Cover Type on Volcanic Soil (Functions and Properties) in A Mediterranean Region: Comparison of Two Soil Quality Indices. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	5
102	New Insights into Alterations in PL Proteins Affecting Their Binding to DNA after Exposure of to Mercury-A Possible Risk to Sperm Chromatin Structure?. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
101	The Dual Role of Microplastics in Marine Environment: Sink and Vectors of Pollutants. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 642	2.4	4

100	Sub-Chronic Effects of Slight PAH- and PCB-Contaminated Mesocosms in Lmk: A Multi-Endpoint Approach and De Novo Transcriptomic. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
99	Infralittoral ostracoda and benthic foraminifera of the Gulf of Pozzuoli (Tyrrhenian Sea, Italy). <i>Aquatic Ecology</i> , 2021 , 55, 955-998	1.9	0
98	Exploring Avoided Environmental Impacts as Well as Energy and Resource Recovery from Microbial Desalination Cell Treatment of Brine. <i>Energies</i> , 2021 , 14, 4453	3.1	5
97	From untargeted metabolomics to the multiple reaction monitoring-based quantification of polyphenols in chocolates from different geographical areas. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4651	2.2	5
96	Identification of metabolic changes leading to cancer susceptibility in Fanconi anemia cells. <i>Cancer Letters</i> , 2021 , 503, 185-196	9.9	1
95	Potential roles of mitochondrial cofactors in the adjuvant mitigation of proinflammatory acute infections, as in the case of sepsis and COVID-19 pneumonia. <i>Inflammation Research</i> , 2021 , 70, 159-170	7.2	6
94	Health Risk and Geochemical Assessment of Trace Elements in Surface Sediment along the Hooghly (Ganges) River Estuary (India). <i>Water (Switzerland)</i> , 2021 , 13, 110	3	3
93	Spermatozoa Transcriptional Response and Alterations in PL Proteins Properties after Exposure of to Mercury. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
92	Early post-fire changes in properties of Andosols within a Mediterranean area. <i>Geoderma</i> , 2021 , 394, 115016	6.7	8
91	Spatial distribution of trace elements in surface sediments of Hooghly (Ganges) river estuary in West Bengal, India. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
90	Resolving the effects of environmental micro- and nanoplastics exposure in biota: A knowledge gap analysis. <i>Science of the Total Environment</i> , 2021 , 780, 146534	10.2	12
89	Impact of Anthropogenic Activities on Soil Quality under Different Land Uses. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	5
88	Role of Seasonality and Fire in Regulating the Enzymatic Activities in Soils Covered by Different Vegetation in a Mediterranean Area. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8342	2.6	1
87	Cerium, gadolinium, lanthanum, and neodymium effects in simplified acid mine discharges to <i>Raphidocelis subcapitata</i> , <i>Lepidium sativum</i> , and <i>Vicia faba</i> . <i>Science of the Total Environment</i> , 2021 , 787, 147527	10.2	1
86	Long-term multi-endpoint exposure of the microalga <i>Raphidocelis subcapitata</i> to lanthanum and cerium. <i>Science of the Total Environment</i> , 2021 , 790, 148229	10.2	2
85	Stability of mediterranean burnt soils under different plant covers. <i>Catena</i> , 2021 , 206, 105581	5.8	3
84	Recycling REEs from the Waste Products of Silius Mine (SE Sardinia, Italy): A Preliminary Study. <i>Sustainability</i> , 2021 , 13, 14000	3.6	2
83	Relationship Between Aquifer Pumping Response and Quality of Water Extracted from Wells in an Active Hydrothermal System: The Case of the Island of Ischia (Southern Italy). <i>Water (Switzerland)</i> , 2020 , 12, 2576	3	5

82	Relationships Between Leaf Exposure Time to Air Pollution and Metal and Particulate Matter Accumulation for Holm Oak Leaves. <i>Water, Air, and Soil Pollution</i> , 2020 , 231, 1	2.6	3
81	Sediment contamination by heavy metals and ecological risk assessment: The case of Gulf of Pozzuoli, Naples, Italy. <i>Marine Pollution Bulletin</i> , 2020 , 155, 111149	6.7	7
80	Discovery of the Involvement in DNA Oxidative Damage of Human Sperm Nuclear Basic Proteins of Healthy Young Men Living in Polluted Areas. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	30
79	Spatial and temporal variation of phytoplankton community structure in a coastal marine system subjected to human pressure. <i>Regional Studies in Marine Science</i> , 2020 , 35, 101198	1.5	3
78	Leaf traits of <i>Quercus ilex</i> L. affect particulate matter accumulation. <i>Urban Forestry and Urban Greening</i> , 2020 , 54, 126780	5.4	4
77	Source identification and eco-risk assessment of polycyclic aromatic hydrocarbons in the sediments of seawaters facing the former steel plant ILVA, Naples, Italy. <i>Regional Studies in Marine Science</i> , 2020 , 35, 101097	1.5	6
76	Mitoprotective Clinical Strategies in Type 2 Diabetes and Fanconi Anemia Patients: Suggestions for Clinical Management of Mitochondrial Dysfunction. <i>Antioxidants</i> , 2020 , 9,	7.1	4
75	Assessment of the relative sensitivity of the copepods <i>Acartia tonsa</i> and <i>Acartia clausi</i> exposed to sediment-derived elutriates from the Bagnoli-Coroglio industrial area. <i>Marine Environmental Research</i> , 2020 , 155, 104878	3.3	9
74	Evaluating pedotransfer functions for predicting soil bulk density using hierarchical mapping information in Campania, Italy. <i>Geoderma Regional</i> , 2020 , 21, e00267	2.7	6
73	Mild toxicity of polystyrene and polymethylmethacrylate microplastics in <i>Paracentrotus lividus</i> early life stages. <i>Marine Environmental Research</i> , 2020 , 161, 105132	3.3	10
72	Chronic sublethal effects of ZnO nanoparticles on <i>Tigriopus fulvus</i> (Copepoda, Harpacticoida). <i>Environmental Science and Pollution Research</i> , 2020 , 27, 30957-30968	5.1	7
71	Aging-Related Disorders and Mitochondrial Dysfunction: A Critical Review for Prospect Mitoprotective Strategies Based on Mitochondrial Nutrient Mixtures. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
70	Do Wildfires Cause Changes in Soil Quality in the Short Term?. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	12
69	The Environmental Assessment of an Estuarine Transitional Environment, Southern Italy. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 628	2.4	6
68	Molecular Alterations in Spermatozoa of a Family Case Living in the Land of Fires. A First Look at Possible Transgenerational Effects of Pollutants. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
67	Metabolomic profiling of food matrices: Preliminary identification of potential markers of microbial contamination. <i>Journal of Food Science</i> , 2020 , 85, 3467-3477	3.4	2
66	Natural and Anthropogenic Groundwater Contamination in a Coastal Volcanic-Sedimentary Aquifer: The Case of the Archaeological Site of Cumae (Phlegraean Fields, Southern Italy). <i>Water (Switzerland)</i> , 2020 , 12, 3463	3	7
65	Fiano, Greco and Falanghina grape cultivars differentiation by volatiles fingerprinting, a case study. <i>Heliyon</i> , 2019 , 5, e02287	3.6	8

64	Anticancer Ruthenium(III) Complexes and Ru(III)-Containing Nanoformulations: An Update on the Mechanism of Action and Biological Activity. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	33
63	Impact of metal accumulation on <i>Quercus ilex</i> L. leaf traits. <i>Plant and Soil</i> , 2019 , 436, 517-526	4.2	3
62	Contaminants bioaccumulation and pathological assessment in <i>Mytilus galloprovincialis</i> in coastal waters facing the brownfield site of Bagnoli, Italy. <i>Marine Pollution Bulletin</i> , 2019 , 140, 341-352	6.7	26
61	European chondroitin sulfate and glucosamine food supplements: A systematic quality and quantity assessment compared to pharmaceuticals. <i>Carbohydrate Polymers</i> , 2019 , 222, 114984	10.3	26
60	Exploring cellular uptake, accumulation and mechanism of action of a cationic Ru-based nanosystem in human preclinical models of breast cancer. <i>Scientific Reports</i> , 2019 , 9, 7006	4.9	34
59	A comparative assessment of metals and phthalates in commercial tea infusions: A starting point to evaluate their tolerance limits. <i>Food Chemistry</i> , 2019 , 288, 193-200	8.5	9
58	Exhausted Woods from Tannin Extraction as an Unexplored Waste Biomass: Evaluation of the Antioxidant and Pollutant Adsorption Properties and Activating Effects of Hydrolytic Treatments. <i>Antioxidants</i> , 2019 , 8,	7.1	9
57	Human exposures to rare earth elements: Present knowledge and research prospects. <i>Environmental Research</i> , 2019 , 171, 493-500	7.9	41
56	Human health risk from consumption of two common crops grown in polluted soils. <i>Science of the Total Environment</i> , 2019 , 691, 195-204	10.2	16
55	Microbial Fuel Cells (MFCs) remediation activity of marine sediments sampled at a dismissed industrial site: What opportunities?. <i>Journal of Cleaner Production</i> , 2019 , 235, 1559-1566	10.3	27
54	Microplastic-induced damage in early embryonal development of sea urchin <i>Sphaerechinus granularis</i> . <i>Environmental Research</i> , 2019 , 179, 108815	7.9	36
53	New chemical-physical properties of water after iterative procedure using hydrophilic polymers: The case of paper filter. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111808	6	5
52	Mass spectrometry based proteomics for the molecular fingerprinting of Fiano, Greco and Falanghina cultivars. <i>Food Research International</i> , 2019 , 120, 26-32	7	3
51	Analysis of 11 trace elements in flight feathers of Italian Sparrows in southern Italy: A study of bioaccumulation through age classes, variability in three years of sampling, and relations with body condition. <i>Science of the Total Environment</i> , 2019 , 651, 2003-2012	10.2	8
50	Soil pollution and toxicity in an area affected by emissions from a bauxite processing plant and a power plant in Gardanne (southern France). <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 55-61	7	9
49	Evaluating the biological properties of synthetic 4-nitrophenyl functionalized benzofuran derivatives with telomeric DNA binding and antiproliferative activities. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 77-88	7.9	32
48	Topsoil and urban dust pollution and toxicity in Taranto (southern Italy) industrial area and in a residential district. <i>Environmental Monitoring and Assessment</i> , 2018 , 191, 43	3.1	8
47	Heavy Rare Earth Elements Affect <i>Sphaerechinus granularis</i> Sea Urchin Early Life Stages by Multiple Toxicity Endpoints. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018 , 100, 641-646	2.7	9

46	Structural and functional insights into RHA-P, a bacterial GH106 α -D-rhamnosidase from <i>Novosphingobium</i> sp. PP1Y. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 648, 1-11	4.1	8
45	Sorption of benzene derivatives onto insolubilized humic acids. <i>Chemical Papers</i> , 2018 , 72, 929-935	1.9	4
44	Experimental study of physicochemical changes in water by iterative contact with hydrophilic polymers: A comparison between Cellulose and Nafion. <i>Journal of Molecular Liquids</i> , 2018 , 268, 598-609	6	8
43	Relevance of arginine residues in Cu(II)-induced DNA breakage and Proteinase K resistance of H1 histones. <i>Scientific Reports</i> , 2018 , 8, 7414	4.9	22
42	Protamine-like proteins analysis as an emerging biotechnique for cadmium impact assessment on male mollusk <i>Mytilus galloprovincialis</i> (Lamarck 1819). <i>Acta Biochimica Polonica</i> , 2018 , 65, 259-267	2	28
41	Hydrogeological and hydrogeochemical study of a volcanic-sedimentary coastal aquifer in the archaeological site of Cumae (Phlegraean Fields, southern Italy). <i>Journal of Geochemical Exploration</i> , 2018 , 185, 105-115	3.8	14
40	Tuning optical and electronic properties in novel carbazole photosensitizers for p-type dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2018 , 292, 805-816	6.7	55
39	Levels of pollution of rare earth elements in the surface sediments from the Gulf of Pozzuoli (Campania, Italy). <i>Marine Pollution Bulletin</i> , 2018 , 136, 374-384	6.7	15
38	Heavy rare earth elements affect early life stages in <i>Paracentrotus lividus</i> and <i>Arbacia lixula</i> sea urchins. <i>Environmental Research</i> , 2017 , 154, 240-246	7.9	16
37	Fluid-Solid Adsorption in Batch and Continuous Processing: A Review and Insights into Modeling. <i>Chemical Engineering and Technology</i> , 2017 , 40, 799-820	2	28
36	A multi-analytical approach to better assess the keratan sulfate contamination in animal origin chondroitin sulfate. <i>Analytica Chimica Acta</i> , 2017 , 958, 59-70	6.6	30
35	Quantitative determination of free D-Asp, L-Asp and N-methyl-D-aspartate in mouse brain tissues by chiral separation and Multiple Reaction Monitoring tandem mass spectrometry. <i>PLoS ONE</i> , 2017 , 12, e0179748	3.7	9
34	Distribution and enrichment of trace metals in surface marine sediments in the Gulf of Pozzuoli and off the coast of the brownfield metallurgical site of Ilva of Bagnoli (Campania, Italy). <i>Marine Pollution Bulletin</i> , 2017 , 124, 502-511	6.7	52
33	Comparative toxicity of seven rare earth elements in sea urchin early life stages. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 20803-20810	5.1	29
32	Characterization and source apportionment of polycyclic aromatic hydrocarbons (pahs) in the sediments of gulf of Pozzuoli (Campania, Italy). <i>Marine Pollution Bulletin</i> , 2017 , 124, 480-487	6.7	53
31	A hypothesis on different technological solutions for outdoor and indoor Roman wall paintings. <i>Archaeological and Anthropological Sciences</i> , 2017 , 9, 591-602	1.8	7
30	What is in your cup of tea? DNA Verity Test to characterize black and green commercial teas. <i>PLoS ONE</i> , 2017 , 12, e0178262	3.7	15
29	Sea Urchin Bioassays in Toxicity Testing: I. Inorganics, Organics, Complex Mixtures and Natural Products. <i>Expert Opinion on Environmental Biology</i> , 2017 , 06,	0	20

28	Efficient Binding of Heavy Metals by Black Sesame Pigment: Toward Innovative Dietary Strategies To Prevent Bioaccumulation. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 890-7	5.7	22
27	Comparative toxicities of selected rare earth elements: Sea urchin embryogenesis and fertilization damage with redox and cytogenetic effects. <i>Environmental Research</i> , 2016 , 147, 453-60	7.9	53
26	Relationships among migration properties, molecular structure and catalytic process of isotactic copolymers of propene. <i>European Polymer Journal</i> , 2016 , 82, 277-289	5.2	4
25	A multidisciplinary approach for the characterization of the coastal marine ecosystems of Monte Di Procida (Campania, Italy). <i>Marine Pollution Bulletin</i> , 2016 , 112, 443-451	6.7	17
24	Rare earth elements in human and animal health: State of art and research priorities. <i>Environmental Research</i> , 2015 , 142, 215-20	7.9	158
23	Applying Numerical Models and Optimized Sensor Networks for Drinking Water Quality Control. <i>Procedia Engineering</i> , 2015 , 119, 918-926		2
22	A dynamic intraparticle model for fluid-solid adsorption kinetics. <i>Computers and Chemical Engineering</i> , 2015 , 74, 66-74	4	26
21	Synthesis of SiO ₂ and CaO rich calcium silicate systems via sol-gel process: bioactivity, biocompatibility, and drug delivery tests. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3087-92	5.4	41
20	Antimicrobial Activity of <i>Bacillus amyloliquefaciens</i> ANT1 Toward Pathogenic Bacteria and Mold: Effects on Biofilm Formation. <i>Probiotics and Antimicrobial Proteins</i> , 2013 , 5, 252-8	5.5	10
19	Association between exposure to dioxin-like polychlorinated biphenyls and miR-191 expression in human peripheral blood mononuclear cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013 , 753, 36-41	3	19
18	Comparative transcriptional analysis reveals differential gene expression between Sand Daffodil tissues. <i>Genetica</i> , 2013 , 141, 443-52	1.5	8
17	Shiff base complexes of zinc(II) as catalysts for biodiesel production. <i>Journal of Molecular Catalysis A</i> , 2012 , 353-354, 106-110		20
16	Impact of Past Mining Activity on the Quality of Water and Soil in the High Moulouya Valley (Morocco). <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 573-589	2.6	31
15	Genetic structure of a novel biofuel-producing microorganism community. <i>Journal of Genetics</i> , 2012 , 91, 183-91	1.2	1
14	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2012 , 12,	1.2	3
13	Heterogeneous Catalysis in Biodiesel Production: The Influence of Leaching. <i>Topics in Catalysis</i> , 2010 , 53, 811-819	2.3	40
12	Molecular characterization of microbial population dynamics during sildenafil citrate degradation. <i>Molecular Biotechnology</i> , 2009 , 41, 123-32	3	6
11	Copper release in low and high alkaline water. <i>Environmental Technology (United Kingdom)</i> , 2008 , 29, 473-8	2.6	7

10	Sol-gel synthesis and structural characterization of niobium-silicon mixed-oxide nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 43, 193-204	2.3	42
9	A study of the microstructural and diffusion properties of poly(vinyl alcohol) cryogels containing surfactant supramolecular aggregates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23031-40	3.4	17
8	Investigations of Polyoxometalates in Aqueous Solutions. I. The Formation of Al ₁₃ (OH) ₇ ³⁺ Cation. <i>Journal of Coordination Chemistry</i> , 2000 , 51, 271-282	1.6	5
7	Thermostable aromatic poly(1,3,4-oxadiazole)s from multi-ring flexible diacids. <i>Polymer</i> , 1998 , 39, 6407-6413	5.13	30
6	Crystalline Structure of Some Alternate Copolymers between Carbon Monoxide and Styrene Derivatives. <i>Macromolecules</i> , 1994 , 27, 3553-3559	5.5	15
5	Pd(II)-catalyzed alternating copolymerization of carbon monoxide with olefins: comparative results for the olefins ethene and styrene. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1993 , 14, 261-266		36
4	Nuovi copolimeri alternati tra ossido di carbonio e derivati dello stirene, cristallini e stereoregolari. <i>Rendiconti Lincei</i> , 1992 , 3, 219-226	1.7	
3	A reinvestigation of TiCl_3 Preparation and structural characterization. <i>European Polymer Journal</i> , 1992 , 28, 513-518	5.2	15
2	A reinvestigation of TiCl_3 . Catalytic activity in propene polymerization. <i>European Polymer Journal</i> , 1992 , 28, 519-523	5.2	10
1	Stereoblock polypropene from the Ziegler-Natta catalyst system TiCl_4 /octylsodium. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 1765-1771		6