

Marco Trifuoggi

List of Publications by Citations

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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	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
116	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
115	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
114	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
113	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
112	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
111	Human exposures to rare earth elements: Present knowledge and research prospects. <i>Environmental Research</i> , 2019 , 171, 493-500	7.9	41
110	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
109	Heterogeneous Catalysis in Biodiesel Production: The Influence of Leaching. <i>Topics in Catalysis</i> , 2010 , 53, 811-819	2.3	40
108	Microplastic-induced damage in early embryonal development of sea urchin <i>Sphaerechinus granularis</i> . <i>Environmental Research</i> , 2019 , 179, 108815	7.9	36
107	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
106	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
105	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
104	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
103	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
102	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
101	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

100	Thermostable aromatic poly(1,3,4-oxadiazole)s from multi-ring flexible diacids. <i>Polymer</i> , 1998 , 39, 6407-6413	30
99	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
98	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
97	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
96	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
95	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
94	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
93	A dynamic intraparticle model for fluid-solid adsorption kinetics. <i>Computers and Chemical Engineering</i> , 2015 , 74, 66-74	4 26
92	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
91	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
90	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
89	Shiff base complexes of zinc(II) as catalysts for biodiesel production. <i>Journal of Molecular Catalysis A</i> , 2012 , 353-354, 106-110	20
88	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
87	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
86	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
85	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
84	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
83	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

82	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
81	Crystalline Structure of Some Alternate Copolymers between Carbon Monoxide and Styrene Derivatives. <i>Macromolecules</i> , 1994 , 27, 3553-3559	5.5	15
80	A reinvestigation of TiCl_3 Preparation and structural characterization. <i>European Polymer Journal</i> , 1992 , 28, 513-518	5.2	15
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	A reinvestigation of TiCl_3 . Catalytic activity in propene polymerization. <i>European Polymer Journal</i> , 1992 , 28, 519-523	5.2	10
71	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
70	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
69	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
68	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
67	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
66	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
65	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

64	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
63	Fiano, Greco and Falanghina grape cultivars differentiation by volatiles fingerprinting, a case study. <i>Heliyon</i> , 2019 , 5, e02287	3.6	8
62	Structural and functional insights into RHA-P, a bacterial GH106 α -rhamnosidase from <i>Novosphingobium</i> sp. PP1Y. <i>Archives of Biochemistry and Biophysics</i> , 2018 , 648, 1-11	4.1	8
61	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
60	Comparative transcriptional analysis reveals differential gene expression between Sand Daffodil tissues. <i>Genetica</i> , 2013 , 141, 443-52	1.5	8
59	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
58	Early post-fire changes in properties of Andosols within a Mediterranean area. <i>Geoderma</i> , 2021 , 394, 115016	6.7	8
57	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
56	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
55	Copper release in low and high alkaline water. <i>Environmental Technology (United Kingdom)</i> , 2008 , 29, 473-8	2.6	7
54	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
53	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
52	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
51	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
50	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
49	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
48	Molecular characterization of microbial population dynamics during sildenafil citrate degradation. <i>Molecular Biotechnology</i> , 2009 , 41, 123-32	3	6
47	Stereoblock polypropylene from the Ziegler-Natta catalyst system $\text{TiCl}_4/\text{octylsodium}$. <i>Die Makromolekulare Chemie</i> , 1992 , 193, 1765-1771		6

46	Advances in the Fate of Rare Earth Elements, REE, in Transitional Environments: Coasts and Estuaries. <i>Water (Switzerland)</i> , 2022 , 14, 401	3	6
45	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
44	The Environmental Assessment of an Estuarine Transitional Environment, Southern Italy. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 628	2.4	6
43	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
42	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
41	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
40	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
39	Investigations of Polyoxometalates in Aqueous Solutions. I. The Formation of Al ₁₃ (OH) ₇ ⁺ 31 Cation. <i>Journal of Coordination Chemistry</i> , 2000 , 51, 271-282	1.6	5
38	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
37	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
36	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
35	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
34	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
33	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
32	Sorption of benzene derivatives onto insolubilized humic acids. <i>Chemical Papers</i> , 2018 , 72, 929-935	1.9	4
31	Comparative Fatty Acid Profiling of Edible Fishes in Kuala Terengganu, Malaysia. <i>Foods</i> , 2021 , 10,	4.9	4
30	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
29	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

28	Impact of metal accumulation on <i>Quercus ilex</i> L. leaf traits. <i>Plant and Soil</i> , 2019 , 436, 517-526	4.2	3
27	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
26	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
25	. <i>Turkish Journal of Fisheries and Aquatic Sciences</i> , 2012 , 12,	1.2	3
24	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
23	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
22	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
21	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
20	Stability of mediterranean burnt soils under different plant covers. <i>Catena</i> , 2021 , 206, 105581	5.8	3
19	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
18	Applying Numerical Models and Optimized Sensor Networks for Drinking Water Quality Control. <i>Procedia Engineering</i> , 2015 , 119, 918-926		2
17	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
16	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
15	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
14	Recycling REEs from the Waste Products of Silius Mine (SE Sardinia, Italy): A Preliminary Study. <i>Sustainability</i> , 2021 , 13, 14000	3.6	2
13	Genetic structure of a novel biofuel-producing microorganism community. <i>Journal of Genetics</i> , 2012 , 91, 183-91	1.2	1
12	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
11	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

10	Identification of metabolic changes leading to cancer susceptibility in Fanconi anemia cells. <i>Cancer Letters</i> , 2021 , 503, 185-196	9.9	1
9	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
8	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
7	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
6	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
5	Infralittoral ostracoda and benthic foraminifera of the Gulf of Pozzuoli (Tyrrhenian Sea, Italy). <i>Aquatic Ecology</i> , 2021 , 55, 955-998	1.9	0
4	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
3	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
2	Nuovi copolimeri alternati tra ossido di carbonio e derivati dello stirene, cristallini e stereoregolari. <i>Rendiconti Lincei</i> , 1992 , 3, 219-226	1.7	
1	Heterogeneous Photodegradation for the Abatement of Recalcitrant COD in Synthetic Tanning Wastewater. <i>ChemEngineering</i> , 2022 , 6, 25	2.6	