

Daniele Fattorini

List of Publications by Year in descending order

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75
papers

5,143
citations

94433

37
h-index

88630

70
g-index

78
all docs

78
docs citations

78
times ranked

6337
citing authors

#	ARTICLE	IF	CITATIONS
1	Pollutants bioavailability and toxicological risk from microplastics to marine mussels. <i>Environmental Pollution</i> , 2015, 198, 211-222.	7.5	989
2	Role of the chronic air pollution levels in the Covid-19 outbreak risk in Italy. <i>Environmental Pollution</i> , 2020, 264, 114732.	7.5	465
3	Time-course variations of oxyradical metabolism, DNA integrity and lysosomal stability in mussels, <i>Mytilus galloprovincialis</i> , during a field translocation experiment. <i>Aquatic Toxicology</i> , 2004, 68, 167-178.	4.0	222
4	Use of the Land Snail <i>Helix aspersa</i> as Sentinel Organism for Monitoring Ecotoxicologic Effects of Urban Pollution: An Integrated Approach. <i>Environmental Health Perspectives</i> , 2006, 114, 63-69.	6.0	148
5	Assessing sediment hazard through a weight of evidence approach with bioindicator organisms: A practical model to elaborate data from sediment chemistry, bioavailability, biomarkers and ecotoxicological bioassays. <i>Chemosphere</i> , 2011, 83, 475-485.	8.2	146
6	Contaminant accumulation and biomarker responses in caged mussels, <i>Mytilus galloprovincialis</i> , to evaluate bioavailability and toxicological effects of remobilized chemicals during dredging and disposal operations in harbour areas. <i>Aquatic Toxicology</i> , 2008, 89, 257-266.	4.0	140
7	An ecotoxicological protocol with caged mussels, <i>Mytilus galloprovincialis</i> , for monitoring the impact of an offshore platform in the Adriatic sea. <i>Marine Environmental Research</i> , 2008, 65, 34-49.	2.5	138
8	Assay of Coenzyme Q10 in Plasma by a Single Dilution Step. <i>Analytical Biochemistry</i> , 2002, 305, 49-54.	2.4	114
9	A multidisciplinary weight of evidence approach for classifying polluted sediments: Integrating sediment chemistry, bioavailability, biomarkers responses and bioassays. <i>Environment International</i> , 2012, 38, 17-28.	10.0	114
10	Seasonal, spatial and inter-annual variations of trace metals in mussels from the Adriatic sea: A regional gradient for arsenic and implications for monitoring the impact of off-shore activities. <i>Chemosphere</i> , 2008, 72, 1524-1533.	8.2	109
11	Ecotoxicological potential of non-steroidal anti-inflammatory drugs (NSAIDs) in marine organisms: Bioavailability, biomarkers and natural occurrence in <i>Mytilus galloprovincialis</i> . <i>Marine Environmental Research</i> , 2016, 121, 31-39.	2.5	107
12	Indirect effects of climate changes on cadmium bioavailability and biological effects in the Mediterranean mussel <i>Mytilus galloprovincialis</i> . <i>Chemosphere</i> , 2017, 169, 493-502.	8.2	100
13	Oxidative and modulatory effects of trace metals on metabolism of polycyclic aromatic hydrocarbons in the Antarctic fish <i>Trematomus bernacchii</i> . <i>Aquatic Toxicology</i> , 2007, 85, 167-175.	4.0	97
14	Forearc carbon sink reduces long-term volatile recycling into the mantle. <i>Nature</i> , 2019, 568, 487-492.	27.8	97
15	ARSENIC SPECIATION IN TISSUES OF THE MEDITERRANEAN POLYCHAETE <i>SABELLA SPALLANZANII</i> . <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1881.	4.3	94
16	A multidisciplinary weight of evidence approach for environmental risk assessment at the Costa Concordia wreck: Integrative indices from Mussel Watch. <i>Marine Environmental Research</i> , 2014, 96, 92-104.	2.5	88
17	Chemical speciation of arsenic in different marine organisms: Importance in monitoring studies. <i>Marine Environmental Research</i> , 2004, 58, 845-850.	2.5	76
18	Characterization of arsenic content in marine organisms from temperate, tropical, and polar environments. <i>Chemistry and Ecology</i> , 2006, 22, 405-414.	1.6	69

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19	Pro-oxidant effects of extremely low frequency electromagnetic fields in the land snail <i>Helix aspersa</i> . <i>Free Radical Biology and Medicine</i> , 2005, 39, 1620-1628.	2.9	68
20	Trace Metal Concentrations and Susceptibility to Oxidative Stress in the Polychaete <i>Sabella spallanzanii</i> (Gmelin) (Sabellidae): Potential Role of Antioxidants in Revealing Stressful Environmental Conditions in the Mediterranean. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 46, 353-61.	4.1	65
21	INTERACTIONS BETWEEN METABOLISM OF TRACE METALS AND XENOBIOTIC AGONISTS OF THE ARYL HYDROCARBON RECEPTOR IN THE ANTARCTIC FISH <i>TREMATOMUS BERNACCHII</i> : ENVIRONMENTAL PERSPECTIVES. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1475.	4.3	64
22	Time-course evaluation of ROS-mediated toxicity in mussels, <i>Mytilus galloprovincialis</i> , during a field translocation experiment. <i>Marine Environmental Research</i> , 2004, 58, 609-613.	2.5	58
23	Ecotoxicological and human health risk in a petrochemical district of southern Italy. <i>Marine Environmental Research</i> , 2008, 66, 215-217.	2.5	56
24	Antioxidant, genotoxic and lysosomal biomarkers in the freshwater bivalve (<i>Unio pictorum</i>) transplanted in a metal polluted river basin. <i>Aquatic Toxicology</i> , 2010, 100, 75-83.	4.0	56
25	Effects of different inorganic arsenic species in <i>Cyprinus carpio</i> (Cyprinidae) tissues after short-time exposure: Bioaccumulation, biotransformation and biological responses. <i>Environmental Pollution</i> , 2009, 157, 3479-3484.	7.5	55
26	Environmental hazards from natural hydrocarbons seepage: Integrated classification of risk from sediment chemistry, bioavailability and biomarkers responses in sentinel species. <i>Environmental Pollution</i> , 2014, 185, 116-126.	7.5	51
27	Oxidative and interactive challenge of cadmium and ocean acidification on the smooth scallop <i>Flexopecten glaber</i> . <i>Aquatic Toxicology</i> , 2018, 196, 53-60.	4.0	51
28	Bioaccumulation and toxic effects of copper in common onion <i>Allium cepa</i> L.. <i>Chemistry and Ecology</i> , 2010, 26, 19-26.	1.6	50
29	Levels and chemical speciation of arsenic in polychaetes: a review. <i>Marine Ecology</i> , 2005, 26, 255-264.	1.1	48
30	Radical-scavenging Activity, Protective Effect Against Lipid Peroxidation and Mineral Contents of Monofloral Cuban Honeys. <i>Plant Foods for Human Nutrition</i> , 2012, 67, 31-38.	3.2	45
31	Antibiotic and heavy metal resistance in enterococci from coastal marine sediment. <i>Environmental Pollution</i> , 2018, 237, 406-413.	7.5	43
32	Antioxidant efficiency in early life stages of the Antarctic silverfish, <i>Pleuragramma antarcticum</i> : Responsiveness to pro-oxidant conditions of platelet ice and chemical exposure. <i>Aquatic Toxicology</i> , 2005, 75, 43-52.	4.0	42
33	Oxidative responsiveness to multiple stressors in the key Antarctic species, <i>Adamussium colbecki</i> : Interactions between temperature, acidification and cadmium exposure. <i>Marine Environmental Research</i> , 2016, 121, 20-30.	2.5	42
34	Transcriptional and cellular effects of Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) in experimentally exposed mussels, <i>Mytilus galloprovincialis</i> . <i>Aquatic Toxicology</i> , 2016, 180, 306-319.	4.0	42
35	Toxicological responses in <i>Laeonereis acuta</i> (annelida, polychaeta) after arsenic exposure. <i>Environment International</i> , 2007, 33, 559-564.	10.0	41
36	Cellular responses in the cyprinid <i>Leuciscus cephalus</i> from a contaminated freshwater ecosystem. <i>Aquatic Toxicology</i> , 2008, 89, 188-196.	4.0	41

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37	Hyperaccumulation of vanadium in the Antarctic polychaete <i>Perkinsiana littoralis</i> as a natural chemical defense against predation. <i>Environmental Science and Pollution Research</i> , 2010, 17, 220-228.	5.3	41
38	Effects of ocean warming and acidification on accumulation and cellular responsiveness to cadmium in mussels <i>Mytilus galloprovincialis</i> : Importance of the seasonal status. <i>Aquatic Toxicology</i> , 2018, 204, 171-179.	4.0	41
39	Interactions between trace metals (Cu, Hg, Ni, Pb) and 2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin in the antarctic fish <i>Trematomus bernacchii</i> : Oxidative effects on biotransformation pathway. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 818-825.	4.3	38
40	Application of a Weight of Evidence Approach for Monitoring Complex Environmental Scenarios: the Case-Study of Off-Shore Platforms. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	38
41	Integrated characterization and risk management of marine sediments: The case study of the industrialized Bagnoli area (Naples, Italy). <i>Marine Environmental Research</i> , 2020, 160, 104984.	2.5	38
42	SHORT-TERM RESPONSES TO CADMIUM EXPOSURE IN THE ESTUARINE POLYCHAETE <i>LAONEREIS ACUTA</i> (POLYCHAETA, NEREIDIDAE): SUBCELLULAR DISTRIBUTION AND OXIDATIVE STRESS GENERATION. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 1337.	4.3	37
43	Effects of arsenic (As) exposure on the antioxidant status of gills of the zebrafish <i>Danio rerio</i> (Cyprinidae). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 538-543.	2.6	36
44	Human pharmaceuticals in marine mussels: Evidence of sneaky environmental hazard along Italian coasts. <i>Marine Environmental Research</i> , 2020, 162, 105137.	2.5	36
45	Environmental pharmaceuticals and climate change: The case study of carbamazepine in <i>M. galloprovincialis</i> under ocean acidification scenario. <i>Environment International</i> , 2021, 146, 106269.	10.0	35
46	The role of lipoic acid in the protection against of metallic pollutant effects in the shrimp <i>Litopenaeus vannamei</i> (Crustacea, Decapoda). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 165, 491-497.	1.8	34
47	Bioaccumulation and biotransformation of arsenic in the Mediterranean polychaete <i>Sabella spallanzanii</i> experimental observations. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1186-1191.	4.3	33
48	In vitro antioxidant activities of mouthrinses and their components. <i>Journal of Clinical Periodontology</i> , 2002, 29, 462-467.	4.9	32
49	Antioxidant responses in the nereidid <i>Laeonereis acuta</i> (Annelida, Polychaeta) after cadmium exposure. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 115-120.	6.0	32
50	Biochemical responses induced by co-exposition to arsenic and titanium dioxide nanoparticles in the estuarine polychaete <i>Laeonereis acuta</i> . <i>Toxicology</i> , 2017, 376, 51-58.	4.2	32
51	Effect of tectonic processes on biosphere-geosphere feedbacks across a convergent margin. <i>Nature Geoscience</i> , 2021, 14, 301-306.	12.9	32
52	Seasonal and inter-annual variability of DNA integrity in mussels <i>Mytilus galloprovincialis</i> : A possible role for natural fluctuations of trace metal concentrations and oxidative biomarkers. <i>Chemosphere</i> , 2009, 77, 1551-1557.	8.2	29
53	A thermogenic hydrocarbon seep in shallow Adriatic Sea (Italy): Gas origin, sediment contamination and benthic foraminifera. <i>Marine and Petroleum Geology</i> , 2014, 57, 283-293.	3.3	28
54	Levels and chemical speciation of arsenic in representative biota and sediments of a tropical mangrove wetland, India. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 773.	3.5	27

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55	Diversity and Distribution of Prokaryotes within a Shallow-Water Pockmark Field. <i>Frontiers in Microbiology</i> , 2016, 7, 941.	3.5	27
56	Arsenic speciation and susceptibility to oxidative stress in the fanworm <i>Sabella spallanzanii</i> (Gmelin) (Annelida, Sabellidae) under naturally acidified conditions: An in situ transplant experiment in a Mediterranean CO ₂ vent system. <i>Science of the Total Environment</i> , 2016, 544, 765-773.	8.0	27
57	Evaluation of coexposure to inorganic arsenic and titanium dioxide nanoparticles in the marine shrimp <i>Litopenaeus vannamei</i> . <i>Environmental Science and Pollution Research</i> , 2016, 23, 1214-1223.	5.3	22
58	Assay of Coenzyme Q10 in Plasma by a Single Dilution Step. <i>Methods in Enzymology</i> , 2004, 378, 170-176.	1.0	21
59	Accumulation, biotransformation, and biochemical responses after exposure to arsenite and arsenate in the estuarine polychaete <i>Laeonereis acuta</i> (Nereididae). <i>Environmental Science and Pollution Research</i> , 2011, 18, 1270-1278.	5.3	21
60	Hyper-Accumulation of Vanadium in Polychaetes. , 2012, , 73-92.		20
61	Total content and chemical speciation of arsenic in the polychaete <i>Sabella spallanzanii</i> . <i>Marine Environmental Research</i> , 2004, 58, 839-843.	2.5	18
62	Helium, inorganic and organic carbon isotopes of fluids and gases across the Costa Rica convergent margin. <i>Scientific Data</i> , 2019, 6, 284.	5.3	17
63	Different crystalline forms of titanium dioxide nanomaterial (rutile and anatase) can influence the toxicity of copper in golden mussel <i>Limnoperna fortunei</i> ?. <i>Aquatic Toxicology</i> , 2018, 205, 182-192.	4.0	16
64	Organochlorines and Polycyclic Aromatic Hydrocarbons as fingerprint of exposure pathways from marine sediments to biota. <i>Marine Pollution Bulletin</i> , 2021, 170, 112676.	5.0	14
65	Impact of different crystalline forms of nTiO ₂ on metabolism and arsenic toxicity in <i>Limnoperna fortunei</i> . <i>Science of the Total Environment</i> , 2020, 728, 138318.	8.0	13
66	Graphene oxide and GST-omega enzyme: An interaction that affects arsenic metabolism in the shrimp <i>Litopenaeus vannamei</i> . <i>Science of the Total Environment</i> , 2020, 716, 136893.	8.0	11
67	Co-exposure to nTiO ₂ impairs arsenic metabolism and affects antioxidant capacity in the marine shrimp <i>Litopenaeus vannamei</i> . <i>Drug and Chemical Toxicology</i> , 2021, 44, 30-38.	2.3	10
68	Bioaccumulation and adverse effects of trace metals and polycyclic aromatic hydrocarbons in the common onion <i>Allium cepa</i> as a model in ecotoxicological bioassays. <i>Chemistry and Ecology</i> , 2011, 27, 515-522.	1.6	9
69	Trace elements and arsenic speciation in tissues of tube dwelling polychaetes from hydrothermal vent ecosystems (East Pacific Rise): An ecological role as antipredatory strategy?. <i>Marine Environmental Research</i> , 2017, 132, 1-13.	2.5	7
70	Genotoxic effect of dimethylarsinic acid and the influence of co-exposure to titanium nanodioxide (nTiO ₂) in <i>Laeonereis culveri</i> (Annelida, Polychaeta). <i>Science of the Total Environment</i> , 2019, 685, 19-27.	8.0	7
71	Long-lasting effects of chronic exposure to chemical pollution on the hologenome of the Manila clam. <i>Evolutionary Applications</i> , 2021, 14, 2864-2880.	3.1	6
72	Bioaccumulation and biotransformation of arsenic compounds in <i>Hediste diversicolor</i> (Muller 1776) after exposure to spiked sediments. <i>Environmental Science and Pollution Research</i> , 2014, 21, 5952-5959.	5.3	5

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73	Application of a Multidisciplinary Weight of Evidence Approach as a Tool for Monitoring the Ecological Risk of Dredging Activities. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
74	The effect of diet enriched with lipoic acid in the accumulation and metabolization of metals in different organs of <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2018, 49, 3702-3710.	1.8	3
75	New Insights for Early Warning and Countermeasures to Aquatic Pollution. , 2020, , 431-445.		1