

Teresa F Fernandes

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

8,832
citations

71097

41
h-index

40976

93
g-index

106
all docs

106
docs citations

106
times ranked

10903
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1825-1851.	4.3	2,370
2	Nanomaterials for environmental studies: Classification, reference material issues, and strategies for physico-chemical characterisation. <i>Science of the Total Environment</i> , 2010, 408, 1745-1754.	8.0	339
3	Nanopesticides: Guiding Principles for Regulatory Evaluation of Environmental Risks. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4227-4240.	5.2	308
4	Effects of Aqueous Exposure to Silver Nanoparticles of Different Sizes in Rainbow Trout. <i>Toxicological Sciences</i> , 2010, 115, 521-534.	3.1	299
5	A comparison of nanoparticle and fine particle uptake by <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2142-2149.	4.3	274
6	Ecotoxicity test methods for engineered nanomaterials: Practical experiences and recommendations from the bench. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 15-31.	4.3	273
7	Management of environmental impacts of marine aquaculture in Europe. <i>Aquaculture</i> , 2003, 226, 139-163.	3.5	236
8	The importance of life cycle concepts for the development of safe nanoproducts. <i>Toxicology</i> , 2010, 269, 160-169.	4.2	221
9	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. <i>Environmental Science & Technology</i> , 2016, 50, 6124-6145.	10.0	191
10	Practical considerations for conducting ecotoxicity test methods with manufactured nanomaterials: what have we learnt so far?. <i>Ecotoxicology</i> , 2012, 21, 933-972.	2.4	175
11	Framework for understanding marine ecosystem health. <i>Marine Ecology - Progress Series</i> , 2013, 494, 1-27.	1.9	171
12	Eutrophication and some European waters of restricted exchange. <i>Continental Shelf Research</i> , 2003, 23, 1635-1671.	1.8	164
13	Nanomaterials in the aquatic environment: A European Unionâ€™United States perspective on the status of ecotoxicity testing, research priorities, and challenges ahead. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1055-1067.	4.3	163
14	Assessing the suitability of a range of benthic indices in the evaluation of environmental impact of fin and shellfish aquaculture located in sites across Europe. <i>Aquaculture</i> , 2009, 293, 231-240.	3.5	158
15	Interspecies comparisons on the uptake and toxicity of silver and cerium dioxide nanoparticles. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 144-154.	4.3	154
16	Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. <i>Nanotoxicology</i> , 2011, 5, 1-11.	3.0	141
17	Defining and detecting undesirable disturbance in the context of marine eutrophication. <i>Marine Pollution Bulletin</i> , 2007, 55, 282-297.	5.0	137
18	Impacts of biodeposits from suspended mussel (<i>Mytilus edulis</i> L.) culture on the surrounding surficial sediments. <i>ICES Journal of Marine Science</i> , 2001, 58, 411-416.	2.5	132

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19	ITS-NANO - Prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. <i>Particle and Fibre Toxicology</i> , 2014, 11, 9.	6.2	124
20	DIVERSITY, BIOMASS, AND ECOSYSTEM PROCESSES IN THE MARINE BENTHOS. <i>Ecological Monographs</i> , 2002, 72, 599-615.	5.4	121
21	Effects of silver and cerium dioxide micro- and nano-sized particles on <i>Daphnia magna</i> . <i>Journal of Environmental Monitoring</i> , 2011, 13, 1227.	2.1	118
22	Concern-driven integrated approaches to nanomaterial testing and assessment – report of the NanoSafety Cluster Working Group 10. <i>Nanotoxicology</i> , 2014, 8, 334-348.	3.0	118
23	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health – ENPRA Project – The Highlights, Limitations, and Current and Future Challenges. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 1-28.	6.5	112
24	Regulatory ecotoxicity testing of nanomaterials – proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. <i>Nanotoxicology</i> , 2016, 10, 1442-1447.	3.0	103
25	Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2281-2295.	4.3	98
26	Assessing exposure, uptake and toxicity of silver and cerium dioxide nanoparticles from contaminated environments. <i>Environmental Health</i> , 2009, 8, S2.	4.0	97
27	Effects of macroalgal mats on intertidal sandflats: an experimental study. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 249, 123-137.	1.5	95
28	Accumulation Dynamics and Acute Toxicity of Silver Nanoparticles to <i>Daphnia magna</i> and <i>Lumbriculus variegatus</i> : Implications for Metal Modeling Approaches. <i>Environmental Science & Technology</i> , 2015, 49, 4389-4397.	10.0	87
29	The scientific principles underlying the monitoring of the environmental impacts of aquaculture. <i>Journal of Applied Ichthyology</i> , 2001, 17, 181-193.	0.7	79
30	Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. <i>Materials Today</i> , 2015, 18, 122-123.	14.2	74
31	Characterization of cerium oxide nanoparticles – Part 1: Size measurements. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 983-993.	4.3	72
32	Endocrine disruption in a marine amphipod? Field observations of intersexuality and de-masculinisation. <i>Marine Environmental Research</i> , 2004, 58, 169-173.	2.5	67
33	Characterization of cerium oxide nanoparticles – Part 2: Nonsize measurements. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 994-1003.	4.3	58
34	Patterns of morphological and genetic variability in UK populations of the shore crab, <i>Carcinus maenas</i> Linnaeus, 1758 (Crustacea: Decapoda: Brachyura). <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 329, 47-54.	1.5	57
35	Characterisation of bioaccumulation dynamics of three differently coated silver nanoparticles and aqueous silver in a simple freshwater food chain. <i>Environmental Chemistry</i> , 2015, 12, 662.	1.5	57
36	How will shallow coastal lagoons respond to climate change? A modelling investigation. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 112, 98-104.	2.1	52

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37	Dense aggregations of tube-building polychaetes: response to small-scale disturbances. <i>Journal of Experimental Marine Biology and Ecology</i> , 2002, 269, 197-222.	1.5	50
38	Can industrial pollution cause intersexuality in the amphipod, <i>Echinogammarus marinus</i> ?. <i>Marine Pollution Bulletin</i> , 2006, 53, 100-106.	5.0	50
39	Dense aggregations of <i>Pygospio elegans</i> (Claparède): effect on macrofaunal community structure and sediments. <i>Journal of Sea Research</i> , 2003, 49, 171-185.	1.6	46
40	The MARINA Risk Assessment Strategy: A Flexible Strategy for Efficient Information Collection and Risk Assessment of Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 15007-15021.	2.6	46
41	Adoption of <i>in vitro</i> systems and zebrafish embryos as alternative models for reducing rodent use in assessments of immunological and oxidative stress responses to nanomaterials. <i>Critical Reviews in Toxicology</i> , 2018, 48, 252-271.	3.9	46
42	Sediment and water nutrients and microalgae in a coastal shallow lagoon, Ria Formosa (Portugal): Implications for the Water Framework Directive. <i>Journal of Environmental Monitoring</i> , 2010, 12, 318-328.	2.1	44
43	Reproduction in the amphipod, <i>Echinogammarus marinus</i> : a comparison between normal and intersex specimens. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2003, 83, 937-940.	0.8	39
44	Temporal and spatial variability of microphytobenthos in a shallow lagoon: Ria Formosa (Portugal). <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 67-76.	2.1	39
45	Silver, zinc oxide and titanium dioxide nanoparticle ecotoxicity to bioluminescent <i>Pseudomonas putida</i> in laboratory medium and artificial wastewater. <i>Environmental Pollution</i> , 2014, 195, 218-225.	7.5	39
46	Interactions between carbon black nanoparticles and the brown algae <i>Fucus serratus</i> : Inhibition of fertilization and zygotic development. <i>Nanotoxicology</i> , 2008, 2, 88-97.	3.0	37
47	Predator caging experiments: a test of the importance of scale. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 241, 137-154.	1.5	35
48	The costs of intersexuality: a crustacean perspective. <i>Marine Biology</i> , 2004, 145, 951-957.	1.5	35
49	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-16.	2.7	33
50	A unified framework for nanosafety is needed. <i>Nano Today</i> , 2014, 9, 546-549.	11.9	32
51	Monitoring and regulation of marine aquaculture in Europe. <i>Journal of Applied Ichthyology</i> , 2000, 16, 138-143.	0.7	30
52	Novel polylactic acid (PLA)-organoclay nanocomposite bio-packaging for the cosmetic industry; migration studies and <i>in vitro</i> assessment of the dermal toxicity of migration extracts. <i>Polymer Degradation and Stability</i> , 2019, 168, 108938.	5.8	30
53	Towards a Consensus View on Understanding Nanomaterials Hazards and Managing Exposure: Knowledge Gaps and Recommendations. <i>Materials</i> , 2013, 6, 1090-1117.	2.9	28
54	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. <i>Risk Analysis</i> , 2018, 38, 1321-1331.	2.7	27

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55	The derivation of scientific guidelines for best environmental practice for the monitoring and regulation of marine aquaculture in Europe. <i>Journal of Applied Ichthyology</i> , 2001, 17, 146-152.	0.7	26
56	Abnormal gonadal morphology in intersex, <i>Echinogammarus marinus</i> (Amphipoda): a possible cause of reduced fecundity?. <i>Marine Biology</i> , 2005, 147, 913-918.	1.5	26
57	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. <i>Materials</i> , 2020, 13, 4532.	2.9	26
58	Measuring sublethal impacts of pollution on reproductive output of marine Crustacea. <i>Marine Ecology - Progress Series</i> , 2003, 265, 303-309.	1.9	26
59	The recovery of populations of dogwhelks suffering from imposex in the Firth of Forth 1987-1997/98. <i>Environmental Pollution</i> , 1999, 106, 183-192.	7.5	25
60	Notes on the Occurrence of Intersex in Amphipods. <i>Hydrobiologia</i> , 2005, 548, 313-318.	2.0	25
61	Structural and functional indices show similar performance in marine ecosystem quality assessment. <i>Ecological Indicators</i> , 2014, 43, 271-280.	6.3	25
62	Population level effects of intersexuality in the marine environment. <i>Science of the Total Environment</i> , 2007, 374, 102-111.	8.0	24
63	Title is missing!. <i>Hydrobiologia</i> , 2002, 475/476, 437-448.	2.0	23
64	Toxicity Testing of Pristine and Aged Silver Nanoparticles in Real Wastewaters Using Bioluminescent <i>Pseudomonas putida</i> . <i>Nanomaterials</i> , 2016, 6, 49.	4.1	23
65	Carbon stable isotopes in estuarine sediments and their utility as migration markers for nursery studies in the Firth of Forth and Forth Estuary, Scotland. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 72, 648-656.	2.1	21
66	Does microphytobenthos resuspension influence phytoplankton in shallow systems? A comparison through a Fourier series analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 110, 77-84.	2.1	21
67	Exposure to Pb-halide perovskite nanoparticles can deliver bioavailable Pb but does not alter endogenous gut microbiota in zebrafish. <i>Science of the Total Environment</i> , 2020, 715, 136941.	8.0	21
68	Silver nanotoxicity using a light-emitting biosensor <i>Pseudomonas putida</i> isolated from a wastewater treatment plant. <i>Journal of Hazardous Materials</i> , 2011, 195, 68-72.	12.4	20
69	Surfactants from itaconic acid: Toxicity to HaCaT keratinocytes in vitro, micellar solubilization, and skin permeation enhancement of hydrocortisone. <i>International Journal of Pharmaceutics</i> , 2017, 524, 9-15.	5.2	19
70	Decision Support System for Estuarine Water Quality Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1990, 116, 417-432.	2.6	18
71	<i>Pseudomonas putida</i> biofilm dynamics following a single pulse of silver nanoparticles. <i>Chemosphere</i> , 2016, 153, 356-364.	8.2	18
72	A cross-species and model comparison of the acute toxicity of nanoparticles used in the pigment and ink industries. <i>NanoImpact</i> , 2018, 11, 20-32.	4.5	18

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73	Impact of preparation method on gonad domoic acid levels in the scallop, <i>Pecten maximus</i> (L.). <i>Harmful Algae</i> , 2003, 2, 215-222.	4.8	17
74	A dynamic CSTT model for the effects of added nutrients in Loch Creran, a shallow fjord. <i>Journal of Marine Systems</i> , 2006, 61, 149-164.	2.1	17
75	The effect of salinity on growth and weight loss of juvenile plaice (<i>Pleuronectes platessa</i> , L): An experimental test. <i>Journal of Sea Research</i> , 2008, 60, 292-296.	1.6	17
76	Congruence in the performance of model nitrifying activated sludge plants located in Germany, Scotland and Spain. <i>Water Research</i> , 2003, 37, 177-187.	11.3	15
77	Releases from transparent blue automobile coatings containing nanoscale copper phthalocyanine and their effects on J774 A1 macrophages. <i>NanoImpact</i> , 2017, 7, 75-83.	4.5	15
78	Response of a marine benthic invertebrate community and biotic indices to organic enrichment from sewage disposal. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1721-1734.	0.8	15
79	The influence of organic modification on the cytotoxicity of clay particles to keratinocytes, hepatocytes and macrophages; an investigation towards the safe use of polymer-clay nanocomposite packaging. <i>Food and Chemical Toxicology</i> , 2019, 126, 178-191.	3.6	15
80	An investigation into intersex amphipods and a possible association with aquaculture. <i>Marine Environmental Research</i> , 2007, 64, 443-455.	2.5	13
81	The role of microphytobenthos on shallow coastal lagoons: a modelling approach. <i>Biogeochemistry</i> , 2011, 106, 207-228.	3.5	13
82	The management of European estuaries: A comparison of the features, controls and management framework of the Tagus (Portugal) and Humber (England). <i>Netherlands Journal of Aquatic Ecology</i> , 1995, 29, 459-468.	0.3	11
83	Intersexuality incidence, sex ratio fluctuations and intersex reproductive output as factors affecting the temporal variation of intersexed populations of the marine amphipod <i>Echinogammarus marinus</i> . <i>Marine Environmental Research</i> , 2009, 68, 163-169.	2.5	9
84	The yield of microphytobenthic chlorophyll from nutrients: Enriched experiments in microcosms. <i>Journal of Experimental Marine Biology and Ecology</i> , 2010, 384, 30-43.	1.5	9
85	Changes in the yield of microphytobenthic chlorophyll from nutrients: Considering denitrification. <i>Ecological Indicators</i> , 2012, 19, 226-230.	6.3	9
86	The development and testing of a multiple-use zoning scheme for Scottish waters. <i>Ocean and Coastal Management</i> , 2015, 103, 34-41.	4.4	8
87	BETTER THE DEVIL YOU KNOW? A PRECAUTIONARY APPROACH TO USING AMPHIPODS AND DAPHNIDS IN ENDOCRINE DISRUPTOR STUDIES. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1019.	4.3	7
88	Nanomaterials and the Environment. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-4.	2.7	7
89	Assessing the acute hazards of zinc oxide nanomaterials to <i>Lumbriculus variegatus</i> . <i>Ecotoxicology</i> , 2015, 24, 1372-1384.	2.4	6
90	Real-time toxicity testing of silver nanoparticles to <i>Salmonella Enteritidis</i> using surface plasmon resonance imaging: A proof of concept. <i>NanoImpact</i> , 2016, 1, 55-59.	4.5	6

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91	Importance of Surface Coating to Accumulation Dynamics and Acute Toxicity of Copper Nanomaterials and Dissolved Copper in <i>Daphnia magna</i> . Environmental Toxicology and Chemistry, 2020, 39, 287-299.	4.3	6
92	Acute waterborne and chronic sediment toxicity of silver and titanium dioxide nanomaterials towards the oligochaete, <i>Lumbriculus variegatus</i> . NanoImpact, 2021, 21, 100291.	4.5	6
93	The effects of macroalgal cover on the spatial distribution of macrobenthic invertebrates: the effect of macroalgal morphology. , 2002, , 437-448.		4
94	An Integrated Testing Strategy for Ecotoxicity (ITSâ€œECO) Assessment in the Marine Environmental Compartment using <i>Mytilus</i> spp.: A Case Study using Pristine and Coated CuO and TiO ₂ Nanomaterials. Environmental Toxicology and Chemistry, 2022, 41, 1390-1406.	4.3	4
95	Trophic ecology surrounding kelp and wood falls in deep Norwegian fjords. Deep-Sea Research Part I: Oceanographic Research Papers, 2021, 173, 103553.	1.4	3
96	Differences in Engineered Nanoparticle Surface Physicochemistry Revealed by Investigation of Changes in Copper Bioavailability During Sorption to Nanoparticles in the Aqueous Phase. Environmental Toxicology and Chemistry, 2019, 38, 925-935.	4.3	3
97	Diversity, Biomass, and Ecosystem Processes in the Marine Benthos. Ecological Monographs, 2002, 72, 599.	5.4	3
98	Can management effort be predicted for marine protected areas? New considerations for network design. Marine Policy, 2014, 47, 138-146.	3.2	2
99	Climate Change: Implications for Ecotoxicological Environmental Impact Assessment. Journal of Environmental Engineering, ASCE, 2017, 143, .	1.4	2
100	Recruitment in epifaunal communities: an experimental test of the effects of species composition and age. Marine Ecology - Progress Series, 2006, 307, 49-57.	1.9	2
101	Suggested Strategies for the Ecotoxicology Testing of New Nanomaterials. Materials Research Society Symposia Proceedings, 2005, 895, 1.	0.1	1
102	Stephen J. Klaine. Environmental Toxicology and Chemistry, 2016, 35, 1607-1608.	4.3	1
103	Migration limits for children's toys are nothing to play with. Regulatory Toxicology and Pharmacology, 2016, 80, 272-273.	2.7	0