Teresa F Fernandes

List of Publications by Year
in descending order

103 papers	8,832 citations	71102 41 h-index	40979 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. Environmental Toxicology and Chemistry, 2008, 27, 1825-1851.	4.3	2,370
2	Nanomaterials for environmental studies: Classification, reference material issues, and strategies for physico-chemical characterisation. Science of the Total Environment, 2010, 408, 1745-1754.	8.0	339
3	Nanopesticides: Guiding Principles for Regulatory Evaluation of Environmental Risks. Journal of Agricultural and Food Chemistry, 2014, 62, 4227-4240.	5.2	308
4	Effects of Aqueous Exposure to Silver Nanoparticles of Different Sizes in Rainbow Trout. Toxicological Sciences, 2010, 115, 521-534.	3.1	299
5	A comparison of nanoparticle and fine particle uptake by Daphnia magna. Environmental Toxicology and Chemistry, 2009, 28, 2142-2149.	4.3	274
6	Ecotoxicity test methods for engineered nanomaterials: Practical experiences and recommendations from the bench. Environmental Toxicology and Chemistry, 2012, 31, 15-31.	4.3	273
7	Management of environmental impacts of marine aquaculture in Europe. Aquaculture, 2003, 226, 139-163.	3.5	236
8	The importance of life cycle concepts for the development of safe nanoproducts. Toxicology, 2010, 269, 160-169.	4.2	221
9	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 6124-6145.	10.0	191
10	Practical considerations for conducting ecotoxicity test methods with manufactured nanomaterials: what have we learnt so far?. Ecotoxicology, 2012, 21, 933-972.	2.4	175
11	Framework for understanding marine ecosystem health. Marine Ecology - Progress Series, 2013, 494, 1-27.	1.9	171
12	Eutrophication and some European waters of restricted exchange. Continental Shelf Research, 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. Environmental Toxicology and Chemistry, 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. Aquaculture, 2009, 293, 231-240.	3.5	158
15	Interspecies comparisons on the uptake and toxicity of silver and cerium dioxide nanoparticles. Environmental Toxicology and Chemistry, 2012, 31, 144-154.	4.3	154
16	Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. Nanotoxicology, 2011, 5, 1-11.	3.0	141
17	Defining and detecting undesirable disturbance in the context of marine eutrophication. Marine Pollution Bulletin, 2007, 55, 282-297.	5.0	137
18	Impacts of biodeposits from suspended mussel (Mytilus edulis L.) culture on the surrounding surficial sediments. ICES Journal of Marine Science, 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. Particle and Fibre Toxicology, 2014, 11, 9.	6.2	124
20	DIVERSITY, BIOMASS, AND ECOSYSTEM PROCESSES IN THE MARINE BENTHOS. Ecological Monographs, 2002, 72, 599-615.	5.4	121
21	Effects of silver and cerium dioxide micro- and nano-sized particles on Daphnia magna. Journal of Environmental Monitoring, 2011, 13, 1227.	2.1	118
22	Concern-driven integrated approaches to nanomaterial testing and assessment â€“ report of the NanoSafety Cluster Working Group 10. Nanotoxicology, 2014, 8, 334-348.	3.0	118
23	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Healthâ€”ENPRA Projectâ€”The Highlights, Limitations, and Current and Future Challenges. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2016, 19, 1-28.	6.5	112
24	Regulatory ecotoxicity testing of nanomaterials â€“ proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. Nanotoxicology, 2016, 10, 1442-1447.	3.0	103
25	Toward sustainable environmental quality: Priority research questions for Europe. Environmental Toxicology and Chemistry, 2018, 37, 2281-2295.	4.3	98
26	Assessing exposure, uptake and toxicity of silver and cerium dioxide nanoparticles from contaminated environments. Environmental Health, 2009, 8, S2.	4.0	97
27	Effects of macroalgal mats on intertidal sandflats: an experimental study. Journal of Experimental Marine Biology and Ecology, 2000, 249, 123-137.	1.5	95
28	Accumulation Dynamics and Acute Toxicity of Silver Nanoparticles to Daphnia magna and Lumbriculus variegatus: Implications for Metal Modeling Approaches. Environmental Science & Technology, 2015, 49, 4389-4397.	10.0	87
29	The scientific principles underlying the monitoring of the environmental impacts of aquaculture. Journal of Applied Ichthyology, 2001, 17, 181-193.	0.7	79
30	Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. Materials Today, 2015, 18, 122-123.	14.2	74
31	Characterization of cerium oxide nanoparticlesâ€”Part 1: Size measurements. Environmental Toxicology and Chemistry, 2012, 31, 983-993.	4.3	72
32	Endocrine disruption in a marine amphipod? Field observations of intersexuality and de-masculinisation. Marine Environmental Research, 2004, 58, 169-173.	2.5	67
33	Characterization of cerium oxide nanoparticlesâ€”Part 2: Nonsize measurements. Environmental Toxicology and Chemistry, 2012, 31, 994-1003.	4.3	58
34	Patterns of morphological and genetic variability in UK populations of the shore crab, Carcinus maenas Linnaeus, 1758 (Crustacea: Decapoda: Brachyura). Journal of Experimental Marine Biology and Ecology, 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. Environmental Chemistry, 2015, 12, 662.	1.5	57
36	How will shallow coastal lagoons respond to climate change? A modelling investigation. Estuarine, Coastal and Shelf Science, 2012, 112, 98-104.	2.1	52

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37	Dense aggregations of tube-building polychaetes: response to small-scale disturbances. Journal of Experimental Marine Biology and Ecology, 2002, 269, 197-222.	1.5	50
38	Can industrial pollution cause intersexuality in the amphipod, Echinogammarus marinus?. Marine Pollution Bulletin, 2006, 53, 100-106.	5.0	50
39	Dense aggregations of Pygospio elegans (ClaparÃ¨de): effect on macrofaunal community structure and sediments. Journal of Sea Research, 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. International Journal of Environmental Research and Public Health, 2015, 12, 15007-15021.	2.6	46
41	Adoption ofin vitrosystems and zebrafish embryos as alternative models for reducing rodent use in assessments of immunological and oxidative stress responses to nanomaterials. Critical Reviews in Toxicology, 2018, 48, 252-271.	3.9	46
42	Sediment and waternutrients and microalgae in a coastal shallow lagoon, Ria Formosa (Portugal): Implications for the Water Framework Directive. Journal of Environmental Monitoring, 2010, 12, 318-328.	2.1	44
43	Reproduction in the amphipod, Echinogammarus marinus: a comparison between normal and intersex specimens. Journal of the Marine Biological Association of the United Kingdom, 2003, 83, 937-940.	0.8	39
44	Temporal and spatial variability of microphytobenthos in a shallow lagoon: Ria Formosa (Portugal). Estuarine, Coastal and Shelf Science, 2009, 83, 67-76.	2.1	39
45	Silver, zinc oxide and titanium dioxide nanoparticle ecotoxicity to bioluminescent Pseudomonas putida in laboratory medium and artificial wastewater. Environmental Pollution, 2014, 195, 218-225.	7.5	39
46	Interactions between carbon black nanoparticles and the brown algaeFucus serratus: Inhibition of fertilization and zygotic development. Nanotoxicology, 2008, 2, 88-97.	3.0	37
47	Predator caging experiments: a test of the importance of scale. Journal of Experimental Marine Biology and Ecology, 1999, 241, 137-154.	1.5	35
48	The costs of intersexuality: a crustacean perspective. Marine Biology, 2004, 145, 951-957.	1.5	35
49	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. Journal of Nanomaterials, 2014, 2014, 1-16.	2.7	33
50	A unified framework for nanosafety is needed. Nano Today, 2014, 9, 546-549.	11.9	32
51	Monitoring and regulation of marine aquaculture in Europe. Journal of Applied Ichthyology, 2000, 16, 138-143.	0.7	30
52	Novel polylactic acid (PLA)-organoclay nanocomposite bio-packaging for the cosmetic industry; migration studies and inÂvitro assessment of the dermal toxicity of migration extracts. Polymer Degradation and Stability, 2019, 168, 108938.	5.8	30
53	Towards a Consensus View on Understanding Nanomaterials Hazards and Managing Exposure: Knowledge Gaps and Recommendations. Materials, 2013, 6, 1090-1117.	2.9	28
54	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. Risk Analysis, 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. Journal of Applied Ichthyology, 2001, 17, 146-152.	0.7	26
56	Abnormal gonadal morphology in intersex, Echinogammarus marinus (Amphipoda): a possible cause of reduced fecundity?. Marine Biology, 2005, 147, 913-918.	1.5	26
57	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. Materials, 2020, 13, 4532.	2.9	26
58	Measuring sublethal impacts of pollution on reproductive output of marine Crustacea. Marine Ecology - Progress Series, 2003, 265, 303-309.	1.9	26
59	The recovery of populations of dogwhelks suffering from imposex in the Firth of Forth 1987â€“1997/98. Environmental Pollution, 1999, 106, 183-192.	7.5	25
60	Notes on the Occurrence of Intersex in Amphipods. Hydrobiologia, 2005, 548, 313-318.	2.0	25
61	Structural and functional indices show similar performance in marine ecosystem quality assessment. Ecological Indicators, 2014, 43, 271-280.	6.3	25
62	Population level effects of intersexuality in the marine environment. Science of the Total Environment, 2007, 374, 102-111.	8.0	24
63	Title is missing!. Hydrobiologia, 2002, 475/476, 437-448.	2.0	23
64	Toxicity Testing of Pristine and Aged Silver Nanoparticles in Real Wastewaters Using Bioluminescent Pseudomonas putida. Nanomaterials, 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. Estuarine, Coastal and Shelf Science, 2007, 72, 648-656.	2.1	21
66	Does microphytobenthos resuspension influence phytoplankton in shallow systems? A comparison through a Fourier series analysis. Estuarine, Coastal and Shelf Science, 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. Science of the Total Environment, 2020, 715, 136941.	8.0	21
68	Silver nanotoxicity using a light-emitting biosensor Pseudomonas putida isolated from a wastewater treatment plant. Journal of Hazardous Materials, 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. International Journal of Pharmaceutics, 2017, 524, 9-15.	5.2	19
70	Decision Support System for Estuarine Waterâ€Quality Management. Journal of Water Resources Planning and Management - ASCE, 1990, 116, 417-432.	2.6	18
71	Pseudomonas putida biofilm dynamics following a single pulse of silver nanoparticles. Chemosphere, 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. NanoImpact, 2018, 11, 20-32.	4.5	18

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73	Impact of preparation method on gonad domoic acid levels in the scallop, Pecten maximus (L.). Harmful Algae, 2003, 2, 215-222.	4.8	17
74	A dynamic CSTT model for the effects of added nutrients in Loch Creran, a shallow fjord. Journal of Marine Systems, 2006, 61, 149-164.	2.1	17
75	The effect of salinity on growth and weight loss of juvenile plaice (Pleuronectes platessa, L): An experimental test. Journal of Sea Research, 2008, 60, 292-296.	1.6	17
76	Congruence in the performance of model nitrifying activated sludge plants located in Germany, Scotland and Spain. Water Research, 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. NanoImpact, 2017, 7, 75-83.	4.5	15
78	Response of a marine benthic invertebrate community and biotic indices to organic enrichment from sewage disposal. Journal of the Marine Biological Association of the United Kingdom, 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. Food and Chemical Toxicology, 2019, 126, 178-191.	3.6	15
80	An investigation into intersex amphipods and a possible association with aquaculture. Marine Environmental Research, 2007, 64, 443-455.	2.5	13
81	The role of microphytobenthos on shallow coastal lagoons: a modelling approach. Biogeochemistry, 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). Netherlands Journal of Aquatic Ecology, 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 Echinogammarus marinus. Marine Environmental Research, 2009, 68, 163-169.	2.5	9
84	The yield of microphytobenthic chlorophyll from nutrients: Enriched experiments in microcosms. Journal of Experimental Marine Biology and Ecology, 2010, 384, 30-43.	1.5	9
85	Changes in the yield of microphytobenthic chlorophyll from nutrients: Considering denitrification. Ecological Indicators, 2012, 19, 226-230.	6.3	9
86	The development and testing of a multiple-use zoning scheme for Scottish waters. Ocean and Coastal Management, 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. Environmental Toxicology and Chemistry, 2005, 24, 1019.	4.3	7
88	Nanomaterials and the Environment. Journal of Nanomaterials, 2014, 2014, 1-4.	2.7	7
89	Assessing the acute hazards of zinc oxide nanomaterials to Lumbriculus variegatus. Ecotoxicology, 2015, 24, 1372-1384.	2.4	6
90	Real-time toxicity testing of silver nanoparticles to Salmonella Enteritidis using surface plasmon resonance imaging: A proof of concept. NanoImpact, 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 Daphnia magna. 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, Lumbriculus variegatus. 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€ECO) Assessment in the Marine Environmental Compartment using Mytilus spp.: A Case Study using Pristine and Coated CuO and TiO₂ 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