Teresa F Fernandes

List of Publications by Citations

101 papers	7,431 citations	37 h-index	85 g-index
106 ext. papers	8,077 ext. citations	4.7 avg, IF	5.48 L-index

#	Paper	IF	Citations
101	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. *Environmental Toxicology and Chemistry*, **2008**, 27, 1825-51	3.8	2098
100	Nanomaterials for environmental studies: classification, reference material issues, and strategies for physico-chemical characterisation. *Science of the Total Environment*, **2010**, 408, 1745-54	10.2	290
99	Effects of aqueous exposure to silver nanoparticles of different sizes in rainbow trout. *Toxicological Sciences*, **2010**, 115, 521-34	4.4	265
98	Ecotoxicity test methods for engineered nanomaterials: practical experiences and recommendations from the bench. *Environmental Toxicology and Chemistry*, **2012**, 31, 15-31	3.8	240
97	A comparison of nanoparticle and fine particle uptake by Daphnia magna. *Environmental Toxicology and Chemistry*, **2009**, 28, 2142-9	3.8	234
96	Nanopesticides: guiding principles for regulatory evaluation of environmental risks. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 4227-40	5.7	210
95	Management of environmental impacts of marine aquaculture in Europe. *Aquaculture*, **2003**, 226, 139-163	4.4	205
94	The importance of life cycle concepts for the development of safe nanoproducts. *Toxicology*, **2010**, 269, 160-9	4.4	191
93	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. *Environmental Science & Technology*, **2016**, 50, 6124-45	10.3	165
92	Practical considerations for conducting ecotoxicity test methods with manufactured nanomaterials: what have we learnt so far?. *Ecotoxicology*, **2012**, 21, 933-72	2.9	157
91	Eutrophication and some European waters of restricted exchange. *Continental Shelf Research*, **2003**, 23, 1635-1671	2.4	148
90	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	4.4	137
89	Interspecies comparisons on the uptake and toxicity of silver and cerium dioxide nanoparticles. *Environmental Toxicology and Chemistry*, **2012**, 31, 144-54	3.8	131
88	Framework for understanding marine ecosystem health. *Marine Ecology - Progress Series*, **2013**, 494, 1-27	2.6	127
87	Minimal analytical characterization of engineered nanomaterials needed for hazard assessment in biological matrices. *Nanotoxicology*, **2011**, 5, 1-11	5.3	126
86	Nanomaterials in the aquatic environment: A European Union-United States perspective on the status of ecotoxicity testing, research priorities, and challenges ahead. *Environmental Toxicology and Chemistry*, **2016**, 35, 1055-67	3.8	119
85	ITS-NANO--prioritising nanosafety research to develop a stakeholder driven intelligent testing strategy. *Particle and Fibre Toxicology*, **2014**, 11, 9	8.4	112

84	Defining and detecting undesirable disturbance in the context of marine eutrophication. *Marine Pollution Bulletin*, **2007**, 55, 282-97	6.7	112
83	Concern-driven integrated approaches to nanomaterial testing and assessment--report of the NanoSafety Cluster Working Group 10. *Nanotoxicology*, **2014**, 8, 334-48	5.3	111
82	Impacts of biodeposits from suspended mussel (Mytilus edulis L.) culture on the surrounding surficial sediments. *ICES Journal of Marine Science*, **2001**, 58, 411-416	2.7	107
81	Effects of silver and cerium dioxide micro- and nano-sized particles on Daphnia magna. *Journal of Environmental Monitoring*, **2011**, 13, 1227-35		104
80	DIVERSITY, BIOMASS, AND ECOSYSTEM PROCESSES IN THE MARINE BENTHOS. *Ecological Monographs*, **2002**, 72, 599-615	9	100
79	A Multilaboratory Toxicological Assessment of a Panel of 10 Engineered Nanomaterials to Human Health--ENPRA Project--The Highlights, Limitations, and Current and Future Challenges. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2016**, 19, 1-28	8.6	96
78	Assessing exposure, uptake and toxicity of silver and cerium dioxide nanoparticles from contaminated environments. *Environmental Health*, **2009**, 8 Suppl 1, S2	6	83
77	Effects of macroalgal mats on intertidal sandflats: an experimental study. *Journal of Experimental Marine Biology and Ecology*, **2000**, 249, 123-137	2.1	80
76	Regulatory ecotoxicity testing of nanomaterials - proposed modifications of OECD test guidelines based on laboratory experience with silver and titanium dioxide nanoparticles. *Nanotoxicology*, **2016**, 10, 1442-1447	5.3	80
75	Accumulation dynamics and acute toxicity of silver nanoparticles to Daphnia magna and Lumbriculus variegatus: implications for metal modeling approaches. *Environmental Science & Technology*, **2015**, 49, 4389-97	10.3	68
74	Toward sustainable environmental quality: Priority research questions for Europe. *Environmental Toxicology and Chemistry*, **2018**, 37, 2281-2295	3.8	68
73	The scientific principles underlying the monitoring of the environmental impacts of aquaculture. *Journal of Applied Ichthyology*, **2001**, 17, 181-193	0.9	66
72	Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. *Materials Today*, **2015**, 18, 122-123	21.8	60
71	Endocrine disruption in a marine amphipod? Field observations of intersexuality and de-masculinisation. *Marine Environmental Research*, **2004**, 58, 169-73	3.3	60
70	Characterization of cerium oxide nanoparticles-part 1: size measurements. *Environmental Toxicology and Chemistry*, **2012**, 31, 983-93	3.8	59
69	Characterization of cerium oxide nanoparticles-part 2: nonsize measurements. *Environmental Toxicology and Chemistry*, **2012**, 31, 994-1003	3.8	49
68	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	2.1	47
67	Characterisation of bioaccumulation dynamics of three differently coated silver nanoparticles and aqueous silver in a simple freshwater food chain. *Environmental Chemistry*, **2015**, 12, 662	3.2	42

66	Can industrial pollution cause intersexuality in the amphipod, Echinogammarus marinus?. *Marine Pollution Bulletin*, **2006**, 53, 100-6	6.7	42
65	Dense aggregations of tube-building polychaetes: response to small-scale disturbances. *Journal of Experimental Marine Biology and Ecology*, **2002**, 269, 197-222	2.1	39
64	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, 15007-21	4.6	37
63	Dense aggregations of Pygospio elegans (Claparde): effect on macrofaunal community structure and sediments. *Journal of Sea Research*, **2003**, 49, 171-185	1.9	37
62	Sediment and water nutrients and microalgae in a coastal shallow lagoon, Ria Formosa (Portugal): implications for the Water Framework Directive. *Journal of Environmental Monitoring*, **2010**, 12, 318-28		36
61	Temporal and spatial variability of microphytobenthos in a shallow lagoon: Ria Formosa (Portugal). *Estuarine, Coastal and Shelf Science*, **2009**, 83, 67-76	2.9	35
60	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	1.1	35
59	How will shallow coastal lagoons respond to climate change? A modelling investigation. *Estuarine, Coastal and Shelf Science*, **2012**, 112, 98-104	2.9	34
58	Silver, zinc oxide and titanium dioxide nanoparticle ecotoxicity to bioluminescent Pseudomonas putida in laboratory medium and artificial wastewater. *Environmental Pollution*, **2014**, 195, 218-25	9.3	33
57	Interactions between carbon black nanoparticles and the brown algae Fucus serratus: Inhibition of fertilization and zygotic development. *Nanotoxicology*, **2008**, 2, 88-97	5.3	31
56	Predator caging experiments: a test of the importance of scale. *Journal of Experimental Marine Biology and Ecology*, **1999**, 241, 137-154	2.1	31
55	A unified framework for nanosafety is needed. *Nano Today*, **2014**, 9, 546-549	17.9	29
54	The costs of intersexuality: a crustacean perspective. *Marine Biology*, **2004**, 145, 951-957	2.5	29
53	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. *Journal of Nanomaterials*, **2014**, 2014, 1-16	3.2	28
52	Adoption of in vitro systems 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	5.7	27
51	Towards a Consensus View on Understanding Nanomaterials Hazards and Managing Exposure: Knowledge Gaps and Recommendations. *Materials*, **2013**, 6, 1090-1117	3.5	25
50	Abnormal gonadal morphology in intersex, Echinogammarus marinus (Amphipoda): a possible cause of reduced fecundity?. *Marine Biology*, **2005**, 147, 913-918	2.5	24
49	The recovery of populations of dogwhelks suffering from imposex in the Firth of Forth 1987-1997/98. *Environmental Pollution*, **1999**, 106, 183-92	9.3	23

48	Population level effects of intersexuality in the marine environment. *Science of the Total Environment*, **2007**, 374, 102-11	10.2	22
47	Monitoring and regulation of marine aquaculture in Europe. *Journal of Applied Ichthyology*, **2000**, 16, 138-143	0.9	22
46	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	2.9	21
45	The effects of macroalgal cover on the spatial distribution of macrobenthic invertebrates: the effect of macroalgal morphology. *Hydrobiologia*, **2002**, 475/476, 437-448	2.4	21
44	Notes on the Occurrence of Intersex in Amphipods. *Hydrobiologia*, **2005**, 548, 313-318	2.4	21
43	Measuring sublethal impacts of pollution on reproductive output of marine Crustacea. *Marine Ecology - Progress Series*, **2003**, 265, 303-309	2.6	21
42	Structural and functional indices show similar performance in marine ecosystem quality assessment. *Ecological Indicators*, **2014**, 43, 271-280	5.8	20
41	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	0.9	20
40	Toxicity Testing of Pristine and Aged Silver Nanoparticles in Real Wastewaters Using Bioluminescent. *Nanomaterials*, **2016**, 6,	5.4	19
39	Does microphytobenthos resuspension influence phytoplankton in shallow systems? A comparison through a Fourier series analysis. *Estuarine, Coastal and Shelf Science*, **2012**, 110, 77-84	2.9	18
38	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. *Risk Analysis*, **2018**, 38, 1321-1331	3.9	18
37	Silver nanotoxicity using a light-emitting biosensor Pseudomonas putida isolated from a wastewater treatment plant. *Journal of Hazardous Materials*, **2011**, 195, 68-72	12.8	17
36	Novel polylactic acid (PLA)-organoclay nanocomposite bio-packaging for the cosmetic industry; migration studies and in vitro assessment of the dermal toxicity of migration extracts. *Polymer Degradation and Stability*, **2019**, 168, 108938	4.7	16
35	Impact of preparation method on gonad domoic acid levels in the scallop, Pecten maximus (L.). *Harmful Algae*, **2003**, 2, 215-222	5.3	16
34	Pseudomonas putida biofilm dynamics following a single pulse of silver nanoparticles. *Chemosphere* , **2016**, 153, 356-64	8.4	15
33	Decision Support System for Estuarine Water-Quality Management. *Journal of Water Resources Planning and Management - ASCE*, **1990**, 116, 417-432	2.8	15
32	Releases from transparent blue automobile coatings containing nanoscale copper phthalocyanine and their effects on J774 A1 macrophages. *NanoImpact*, **2017**, 7, 75-83	5.6	14
31	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	1.9	14

30	A dynamic CSTT model for the effects of added nutrients in Loch Creran, a shallow fjord. *Journal of Marine Systems*, **2006**, 61, 149-164	2.7	13
29	An investigation into intersex amphipods and a possible association with aquaculture. *Marine Environmental Research*, **2007**, 64, 443-55	3.3	13
28	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	6.5	12
27	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	10.2	11
26	A cross-species and model comparison of the acute toxicity of nanoparticles used in the pigment and ink industries. *NanoImpact*, **2018**, 11, 20-32	5.6	11
25	The role of microphytobenthos on shallow coastal lagoons: a modelling approach. *Biogeochemistry*, **2011**, 106, 207-228	3.8	11
24	Congruence in the performance of model nitrifying activated sludge plants located in Germany, Scotland and Spain. *Water Research*, **2003**, 37, 177-87	12.5	11
23	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. *Materials*, **2020**, 13,	3.5	11
22	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	4.7	9
21	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, 163-9	3.3	9
20	Changes in the yield of microphytobenthic chlorophyll from nutrients: Considering denitrification. *Ecological Indicators*, **2012**, 19, 226-230	5.8	7
19	The yield of microphytobenthic chlorophyll from nutrients: Enriched experiments in microcosms. *Journal of Experimental Marine Biology and Ecology*, **2010**, 384, 30-43	2.1	7
18	The development and testing of a multiple-use zoning scheme for Scottish waters. *Ocean and Coastal Management*, **2015**, 103, 34-41	3.9	6
17	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		6
16	Real-time toxicity testing of silver nanoparticles to Salmonella Enteritidis using surface plasmon resonance imaging: A proof of concept. *NanoImpact*, **2016**, 1, 55-59	5.6	6
15	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	1.1	5
14	Nanomaterials and the Environment. *Journal of Nanomaterials*, **2014**, 2014, 1-4	3.2	5
13	Better the devil you know? A precautionary approach to using amphipods and daphnids in endocrine disruptor studies. *Environmental Toxicology and Chemistry*, **2005**, 24, 1019-21	3.8	5

List of Publications

12	Assessing the acute hazards of zinc oxide nanomaterials to Lumbriculus variegatus. *Ecotoxicology*, **2015**, 24, 1372-84	2.9	3
11	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	3.8	3
10	Acute waterborne and chronic sediment toxicity of silver and titanium dioxide nanomaterials towards the oligochaete, Lumbriculus variegatus.. *NanoImpact*, **2021**, 21, 100291	5.6	3
9	Climate Change: Implications for Ecotoxicological Environmental Impact Assessment. *Journal of Environmental Engineering, ASCE*, **2017**, 143, 04017078	2	2
8	Can management effort be predicted for marine protected areas? New considerations for network design. *Marine Policy*, **2014**, 47, 138-146	3.5	2
7	DIVERSITY, BIOMASS, AND ECOSYSTEM PROCESSES IN THE MARINE BENTHOS **2002**, 72, 599		2
6	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	3.8	2
5	The effects of macroalgal cover on the spatial distribution of macrobenthic invertebrates: the effect of macroalgal morphology **2002**, 437-448		1
4	Stephen J. Klaine. *Environmental Toxicology and Chemistry*, **2016**, 35, 1607-8	3.8	1
3	Trophic ecology surrounding kelp and wood falls in deep Norwegian fjords. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2021**, 173, 103553	2.5	0
2	Suggested strategies for the ecotoxicology testing of nanoparticles. *Materials Research Society Symposia Proceedings*, **2005**, 895, 1		
1	Migration limits for children's toys are nothing to play with. *Regulatory Toxicology and Pharmacology*, **2016**, 80, 272-3	3.4	