Matilde Moreira-Santos

List of Publications by Year
in descending order

66 papers	1,780 citations	236925 25 h-index	302126 39 g-index
68 all docs	68 docs citations	68 times ranked	2000 citing authors

#	Article	IF	Citations
1	A review on the ecological quality status assessment in aquatic systems using community based indicators and ecotoxicological tools: what might be the added value of their combination?. Ecological Indicators, 2015, 48, 8-16.	6.3	93
2	Review on the acuteDaphnia magnatoxicity test â€“ Evaluation of the sensitivity and the precision of assays performed with organisms from laboratory cultures or hatched from dormant eggs. Knowledge and Management of Aquatic Ecosystems, 2009, , 01.	1.1	82
3	Avoidance tests with small fish: Determination of the median avoidance concentration and of the lowestâ€observedâ€effect gradient. Environmental Toxicology and Chemistry, 2008, 27, 1576-1582.	4.3	79
4	Active and passive spatial avoidance by aquatic organisms from environmental stressors: A complementary perspective and a critical review. Environment International, 2016, 92-93, 405-415.	10.0	75
5	In Situâ€“Based Effects Measures: Determining the Ecological Relevance of Measured Responses. Integrated Environmental Assessment and Management, 2007, 3, 259.	2.9	74
6	Immobilization of the marine microalga Phaeodactylum tricornutum in alginate for in situ experiments: Bead stability and suitability. Enzyme and Microbial Technology, 2006, 38, 135-141.	3.2	69
7	The ?Coral Bulker? Fuel Oil Spill on the North Coast of Portugal: Spatial and Temporal Biomarker Responses in Mytilus galloprovincialis. Ecotoxicology, 2004, 13, 619-630.	2.4	63
8	An in situ bioassay for freshwater environments with the microalga Pseudokirchneriella subcapitata. Ecotoxicology and Environmental Safety, 2004, 59, 164-173.	6.0	62
9	Copper-driven avoidance and mortality in temperate and tropical tadpoles. Aquatic Toxicology, 2014, 146, 70-75.	4.0	59
10	Environmental risk assessment of a metal-contaminated area in the Tropics. Tier I: screening phase. Journal of Soils and Sediments, 2010, 10, 1557-1571.	3.0	55
11	A SHORT-TERM SUBLETHAL IN SITU TOXICITY ASSAY WITH HEDISTE DIVERSICOLOR (POLYCHAETA) FOR ESTUARINE SEDIMENTS BASED ON POSTEXPOSURE FEEDING. Environmental Toxicology and Chemistry, 2005, 24, 2010.	4.3	48
12	Habitat fragmentation caused by contaminants: Atrazine as a chemical barrier isolating fish populations. Chemosphere, 2018, 193, 24-31.	8.2	46
13	An in situ postexposure feeding assay with Carcinus maenas for estuarine sediment-overlying water toxicity evaluations. Environmental Pollution, 2006, 139, 318-329.	7.5	45
14	A scaledâ€up system to evaluate zooplankton spatial avoidance and the population immediate decline concentration. Environmental Toxicology and Chemistry, 2012, 31, 1301-1305.	4.3	43
15	What if aquatic animals move away from pesticide-contaminated habitats before suffering adverse physiological effects? A critical review. Critical Reviews in Environmental Science and Technology, 2019, 49, 989-1025.	12.8	36
16	SHORT-TERM SUBLETHAL (SEDIMENT AND AQUATIC ROOTS OF FLOATING MACROPHYTES) ASSAYS WITH A TROPICAL CHIRONOMID BASED ON POSTEXPOSURE FEEDING AND BIOMARKERS. Environmental Toxicology and Chemistry, 2005, 24, 2234.	4.3	33
17	A PHYTOPLANKTON GROWTH ASSAY FOR ROUTINE IN SITU ENVIRONMENTAL ASSESSMENTS. Environmental Toxicology and Chemistry, 2004, 23, 1549.	4.3	32
18	In situ assays with tropical cladocerans to evaluate edge-of-field pesticide runoff toxicity. Chemosphere, 2007, 67, 2250-2256.	8.2	32

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19	Cleanup of atrazine-contaminated soils: ecotoxicological study on the efficacy of a bioremediation tool with Pseudomonas sp. ADP. Journal of Soils and Sediments, 2010, 10, 568-578.	3.0	32
20	Ecotoxicological tools for the tropics: Sublethal assays with fish to evaluate edge-of-field pesticide runoff toxicity. Ecotoxicology and Environmental Safety, 2010, 73, 893-899.	6.0	32
21	Effects ofEucalyptusleachates and oxygen on leaf-litter processing by fungi and stream invertebrates. Freshwater Science, 2013, 32, 411-424.	1.8	32
22	Ecological Risk Assessment of a Metal-Contaminated Area in the Tropics. Tier II: Detailed Assessment. PLoS ONE, 2015, 10, e0141772.	2.5	32
23	Attractiveness of food and avoidance from contamination as conflicting stimuli to habitat selection by fish. Chemosphere, 2016, 163, 177-183.	8.2	30
24	A Short-Term Sublethal In Situ Sediment Assay with Chironomus riparius Based on Postexposure Feeding. Archives of Environmental Contamination and Toxicology, 2005, 49, 163-172.	4.1	29
25	Unraveling the interactive effects of climate change and oil contamination on laboratoryâ€simulated estuarine benthic communities. Global Change Biology, 2015, 21, 1871-1886.	9.5	28
26	Development and Sensitivity of a 12-h Laboratory Test with DaphniaÂmagna Straus Based on Avoidance of Pulp Mill Effluents. Bulletin of Environmental Contamination and Toxicology, 2008, 81, 464-469.	2.7	25
27	Comparison of a test battery for assessing the toxicity of a bleached-kraft pulp mill effluent before and after secondary treatment implementation. Environmental Monitoring and Assessment, 2010, 161, 439-451.	2.7	24
28	Stress-driven emigration in complex field scenarios of habitat disturbance: The heterogeneous multi-habitat assay system (HeMHAS). Science of the Total Environment, 2018, 644, 31-36.	8.0	24
29	Supported metalloporphyrins as reusable catalysts for the degradation of antibiotics: Synthesis, characterization, activity and ecotoxicity studies. Applied Catalysis B: Environmental, 2021, 282, 119556.	20.2	23
30	Evaluation of Arthrobacter aurescens Strain TC1 as Bioaugmentation Bacterium in Soils Contaminated with the Herbicidal Substance Terbuthylazine. PLoS ONE, 2015, 10, e0144978.	2.5	22
31	Suitability of a Saccharomyces cerevisiae-based assay to assess the toxicity of pyrimethanil sprayed soils via surface runoff: Comparison with standard aquatic and soil toxicity assays. Science of the Total Environment, 2015, 505, 161-171.	8.0	21
32	Ring test for whole-sediment toxicity assay with -a- benthic marine diatom. Science of the Total Environment, 2010, 408, 822-828.	8.0	20
33	An estuarine mudsnail in situ toxicity assay based on postexposure feeding. Environmental Toxicology and Chemistry, 2011, 30, 1935-1942.	4.3	20
34	A freshwater amphipod toxicity test based on postexposure feeding and the population consumption inhibitory concentration. Chemosphere, 2012, 87, 43-48.	8.2	20
35	Development and validation of an experimental life support system for assessing the effects of global climate change and environmental contamination on estuarine and coastal marine benthic communities. Global Change Biology, 2013, 19, 2584-2595.	9.5	18
36	Feeding niche preference of the mudsnail Peringia ulvae. Marine and Freshwater Research, 2015, 66, 573.	1.3	17

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37	Active avoidance from a crude oil soluble fraction by an Andean paramo copepod. Ecotoxicology, 2014, 23, 1254-1259.	2.4	16
38	Ecotoxicological characterization of a tropical soil after diazinon spraying. Ecotoxicology, 2012, 21, 2163-2176.	2.4	15
39	A short-term sublethal toxicity assay with zebra fish based on preying rate and its integration with mortality. Chemosphere, 2015, 120, 568-574.	8.2	15
40	Stressor-driven emigration and recolonisation patterns in disturbed habitats. Science of the Total Environment, 2018, 643, 884-889.	8.0	15
41	Effects of the fungicide pyrimethanil on biofilm and organic matter processing in outdoor lentic mesocosms. Ecotoxicology, 2016, 25, 121-131.	2.4	14
42	In Situ and Laboratory Microalgal Assays in the Tropics: A Microcosm Simulation of Edge-of-Field Pesticide Runoff. Bulletin of Environmental Contamination and Toxicology, 2005, 74, 48-55.	2.7	13
43	European bee-eater (Merops apiaster) populations under arsenic and metal stress: evaluation of exposure at a mining site. Environmental Monitoring and Assessment, 2010, 161, 237-245.	2.7	13
44	Assessing the Quality of Freshwaters in a Protected Area within the Tagus River Basin District (Central Portugal). Journal of Environmental Quality, 2012, 41, 1413-1426.	2.0	13
45	Going with the Flow: Detection of Drift in Response to Hypo-Saline Stress by the Estuarine Benthic Diatom Cylindrotheca closterium. PLoS ONE, 2013, 8, e81073.	2.5	13
46	A novel approach to assessing environmental disturbance based on habitat selection by zebra fish as a model organism. Science of the Total Environment, 2018, 619-620, 906-915.	8.0	13
47	Evaluating formulation and storage of Arthrobacter aurescens strain TC1 as a bioremediation tool for terbuthylazine contaminated soils: Efficacy on abatement of aquatic ecotoxicity. Science of the Total Environment, 2019, 668, 714-722.	8.0	13
48	Long-term effects of the fungicide pyrimethanil on aquatic primary producers in macrophyte-dominated outdoor mesocosms in two European ecoregions. Science of the Total Environment, 2019, 665, 982-994.	8.0	13
49	Do Larvae and OvipositingChironomus riparius(Diptera: Chironomidae) Females Avoid Copper-Contaminated Environments?. Human and Ecological Risk Assessment (HERA), 2009, 15, 63-75.	3.4	12
50	Ethoprophos fate on soilâ€“water interface and effects on non-target terrestrial and aquatic biota under Mediterranean crop-based scenarios. Ecotoxicology and Environmental Safety, 2014, 103, 36-44.	6.0	12
51	A short-term laboratory and in situ sediment assay based on the postexposure feeding of the estuarine isopod Cyathura carinata. Environmental Research, 2014, 134, 242-250.	7.5	11
52	AVOIDANCE TESTS WITH SMALL FISH: DETERMINATION OF THE MEDIAN AVOIDANCE CONCENTRATION AND OF THE LOWEST-OBSERVED-EFFECT GRADIENT. Environmental Toxicology and Chemistry, 2007, preprint, 1.	4.3	11
53	FUNCTIONAL AND STRUCTURAL IMPACT OF LINURON ON A FRESHWATER COMMUNITY OF PRIMARY PRODUCERS: THE USE OF IMMOBILIZED ALGAE. Environmental Toxicology and Chemistry, 2005, 24, 2477.	4.3	10
54	Diet of the otterLutra lutrain an almost pristine Portuguese river: seasonality and analysis of fish prey through scale and vertebrae keys and length relationships. Mammalia, 2010, 74, 71-81.	0.7	10

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55	Suitability of five cladoceran species from Mexico for in situ experimentation. Ecotoxicology and Environmental Safety, 2011, 74, 111-116.	6.0	10
56	Semifield testing of a bioremediation tool for atrazineâ€contaminated soils: Evaluating the efficacy on soil and aquatic compartments. Environmental Toxicology and Chemistry, 2012, 31, 1564-1572.	4.3	10
57	Nematode biomass and morphometric attributes as descriptors during a major Zostera noltii collapse. Marine Biology, 2018, 165, 1.	1.5	10
58	Contaminants as habitat disturbers: PAH-driven drift by Andean paramo stream insects. Ecotoxicology and Environmental Safety, 2014, 108, 89-94.	6.0	8
59	An in situ toxicity assay with the local phytoplankton community. Environmental Toxicology and Chemistry, 2011, 30, 196-205.	4.3	7
60	A laboratory and in situ postexposure feeding assay with a freshwater snail. Environmental Toxicology and Chemistry, 2013, 32, 2144-2152.	4.3	7
61	Do Contaminants Influence the Spatial Distribution of Aquatic Species? How New Perspectives on Ecotoxicological Assays Might Answer This Question. Environmental Toxicology and Chemistry, 2020, 39, 7-8.	4.3	6
62	Potential re-colonisation by cladocerans of an acidic tropical pond. Chemosphere, 2011, 82, 1072-1079.	8.2	5
63	Does S-Metolachlor Affect the Performance of Pseudomonas sp. Strain ADP as Bioaugmentation Bacterium for Atrazine-Contaminated Soils?. PLoS ONE, 2012, 7, e37140.	2.5	5
64	The Ecotoxicity of Pyrimethanil for Aquatic Biota. , 2015, , .		2
65	Salinity Affects Freshwater Invertebrate Traits and Litter Decomposition. Diversity, 2021, 13, 599.	1.7	2
66	Aquatic mesocosms exposed to a fungicide in warm and cold temperate European climate zones: Long-term macroinvertebrate response. Science of the Total Environment, 2019, 681, 133-142.	8.0	1