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	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
2	Salinity Affects Freshwater Invertebrate Traits and Litter Decomposition. Diversity, 2021, 13, 599.	1.7	2
3	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
4	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
5	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
6	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
7	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
8	Nematode biomass and morphometric attributes as descriptors during a major Zostera noltii collapse. Marine Biology, 2018, 165, 1.	1.5	10
9	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
10	Habitat fragmentation caused by contaminants: Atrazine as a chemical barrier isolating fish populations. Chemosphere, 2018, 193, 24-31.	8.2	46
11	Stressor-driven emigration and recolonisation patterns in disturbed habitats. Science of the Total Environment, 2018, 643, 884-889.	8.0	15
12	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
13	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
14	Attractiveness of food and avoidance from contamination as conflicting stimuli to habitat selection by fish. Chemosphere, 2016, 163, 177-183.	8.2	30
15	Effects of the fungicide pyrimethanil on biofilm and organic matter processing in outdoor lentic mesocosms. Ecotoxicology, 2016, 25, 121-131.	2.4	14
16	The Ecotoxicity of Pyrimethanil for Aquatic Biota. , 2015, , .		2
17	Feeding niche preference of the mudsnail Peringia ulvae. Marine and Freshwater Research, 2015, 66, 573.	1.3	17
18	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

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19	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
20	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
21	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
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	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
24	Copper-driven avoidance and mortality in temperate and tropical tadpoles. Aquatic Toxicology, 2014, 146, 70-75.	4.0	59
25	Contaminants as habitat disturbers: PAH-driven drift by Andean paramo stream insects. Ecotoxicology and Environmental Safety, 2014, 108, 89-94.	6.0	8
26	Active avoidance from a crude oil soluble fraction by an Andean paramo copepod. Ecotoxicology, 2014, 23, 1254-1259.	2.4	16
27	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
28	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
29	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
30	Effects ofEucalyptusleachates and oxygen on leaf-litter processing by fungi and stream invertebrates. Freshwater Science, 2013, 32, 411-424.	1.8	32
31	A laboratory and in situ postexposure feeding assay with a freshwater snail. Environmental Toxicology and Chemistry, 2013, 32, 2144-2152.	4.3	7
32	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
33	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
34	Ecotoxicological characterization of a tropical soil after diazinon spraying. Ecotoxicology, 2012, 21, 2163-2176.	2.4	15
35	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
36	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

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37	A freshwater amphipod toxicity test based on postexposure feeding and the population consumption inhibitory concentration. Chemosphere, 2012, 87, 43-48.	8.2	20
38	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
39	Suitability of five cladoceran species from Mexico for in situ experimentation. Ecotoxicology and Environmental Safety, 2011, 74, 111-116.	6.0	10
40	Potential re-colonisation by cladocerans of an acidic tropical pond. Chemosphere, 2011, 82, 1072-1079.	8.2	5
41	An in situ toxicity assay with the local phytoplankton community. Environmental Toxicology and Chemistry, 2011, 30, 196-205.	4.3	7
42	An estuarine mudsnail in situ toxicity assay based on postexposure feeding. Environmental Toxicology and Chemistry, 2011, 30, 1935-1942.	4.3	20
43	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
44	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
45	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
46	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
47	Ring test for whole-sediment toxicity assay with -a- benthic marine diatom. Science of the Total Environment, 2010, 408, 822-828.	8.0	20
48	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
49	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
50	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
51	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
52	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
53	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
54	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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55	In Situâ€“Based Effects Measures: Determining the Ecological Relevance of Measured Responses. Integrated Environmental Assessment and Management, 2007, 3, 259.	2.9	74
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	A PHYTOPLANKTON GROWTH ASSAY FOR ROUTINE IN SITU ENVIRONMENTAL ASSESSMENTS. Environmental Toxicology and Chemistry, 2004, 23, 1549.	4.3	32
65	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
66	An in situ bioassay for freshwater environments with the microalga Pseudokirchneriella subcapitata. Ecotoxicology and Environmental Safety, 2004, 59, 164-173.	6.0	62