

# Laura Guimarães

## List of Publications by Year in descending order

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76  
papers

1,736  
citations

270111

25  
h-index

340414

39  
g-index

80  
all docs

80  
docs citations

80  
times ranked

2881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean literacy gamified: A systematic evaluation of the effect of game elements on students' learning experience. <i>Environmental Education Research</i> , 2022, 28, 276-294.	1.6	14
2	Environmental diagnosis with Raman Spectroscopy applied to diatoms. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113800.	5.3	4
3	Differential Molecular Responses of Zebrafish Larvae to Fluoxetine and Norfluoxetine. <i>Water (Switzerland)</i> , 2022, 14, 417.	1.2	6
4	Novel Approach to Freshwater Diatom Profiling and Identification Using Raman Spectroscopy and Chemometric Analysis. <i>Water (Switzerland)</i> , 2022, 14, 2116.	1.2	2
5	Assessing contamination from maritime trade and transportation on Iberian waters: Impact on <i>Mytilus</i> sp. <i>Ecological Indicators</i> , 2021, 121, 107031.	2.6	2
6	Fostering Ocean-Literate Generations: The Portuguese Blue School. <i>Key Challenges in Geography</i> , 2021, , 241-273.	0.1	2
7	Assessing contamination from maritime trade and transportation on Iberian waters: Impact on <i>Platichthys flesus</i> . <i>Environmental and Sustainability Indicators</i> , 2021, 9, 100098.	1.7	2
8	Raman spectroscopy applied to diatoms (microalgae, Bacillariophyta): Prospective use in the environmental diagnosis of freshwater ecosystems. <i>Water Research</i> , 2021, 198, 117102.	5.3	10
9	Microplastics as a vehicle of exposure to chemical contamination in freshwater systems: Current research status and way forward. <i>Journal of Hazardous Materials</i> , 2021, 417, 125980.	6.5	27
10	Can sustainable water monitoring be a reality?. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 471, 012010.	0.2	2
11	Effects of norfluoxetine and venlafaxine in zebrafish larvae: Molecular data. <i>Data in Brief</i> , 2020, 33, 106515.	0.5	0
12	Occurrence of Levonorgestrel in Water Systems and Its Effects on Aquatic Organisms: A Review. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020, 254, 57-84.	0.7	0
13	Norfluoxetine and venlafaxine in zebrafish larvae: Single and combined toxicity of two pharmaceutical products relevant for risk assessment. <i>Journal of Hazardous Materials</i> , 2020, 400, 123171.	6.5	26
14	Integrated Multi-Trophic Aquaculture: A Laboratory and Hands-on Experimental Activity to Promote Environmental Sustainability Awareness and Value of Aquaculture Products. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	21
15	Performance of Electro-Fenton Water Treatment Technology in Decreasing Zebrafish Embryotoxicity Elicited by a Mixture of Organic Contaminants. <i>Advances in Science, Technology and Innovation</i> , 2020, , 243-246.	0.2	0
16	Assessing the ecological status of fluvial ecosystems employing a macroinvertebrate multi-taxon and multi-biomarker approach. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 503.	1.3	3
17	Assessing the ecological status of small Mediterranean rivers using benthic macroinvertebrates and macrophytes as indicators. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 596.	1.3	12
18	Toxicogenomics of Gold Nanoparticles in a Marine Fish: Linkage to Classical Biomarkers. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	12

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19	Combining biomarker and community approaches using benthic macroinvertebrates can improve the assessment of the ecological status of rivers. <i>Hydrobiologia</i> , 2019, 839, 1-24.	1.0	16
20	Assessment of urban groundwater: towards integrated hydrogeological and effects-based monitoring. <i>Sustainable Water Resources Management</i> , 2019, 5, 217-233.	1.0	8
21	<i>Lymnaea stagnalis</i> as a freshwater model invertebrate for ecotoxicological studies. <i>Science of the Total Environment</i> , 2019, 669, 11-28.	3.9	62
22	The last frontier: Coupling technological developments with scientific challenges to improve hazard assessment of deep-sea mining. <i>Science of the Total Environment</i> , 2018, 627, 1505-1514.	3.9	25
23	Seasonal variation in biomarker responses of <i>Donax trunculus</i> from the Gulf of Annaba (Algeria): Implication of metal accumulation in sediments. <i>Comptes Rendus - Geoscience</i> , 2018, 350, 173-179.	0.4	23
24	Data for the analysis of interactive multibiomarker responses of a marine crustacean to long-term exposure to aquatic contaminants. <i>Data in Brief</i> , 2018, 21, 386-394.	0.5	2
25	Multibiomarker interactions to diagnose and follow-up chronic exposure of a marine crustacean to Hazardous and Noxious Substances (HNS). <i>Environmental Pollution</i> , 2018, 242, 1137-1145.	3.7	8
26	OCEAN LITERACY AND INFORMATION SOURCES: COMPARISON BETWEEN PUPILS IN PORTUGAL AND THE UK. , 2018, , .		4
27	Linking cortisol response with gene expression in fish exposed to gold nanoparticles. <i>Science of the Total Environment</i> , 2017, 584-585, 1004-1011.	3.9	28
28	Toxic potential of organic constituents of submicron particulate matter (PM1) in an urban road site (Barcelona). <i>Environmental Science and Pollution Research</i> , 2017, 24, 15406-15415.	2.7	10
29	Changes in stroke incidence, outcome, and associated factors in Porto between 1998 and 2011. <i>International Journal of Stroke</i> , 2017, 12, 169-179.	2.9	22
30	Environmental Groundwater Vulnerability Assessment in Urban Water Mines (Porto, NW Portugal). <i>Water (Switzerland)</i> , 2016, 8, 499.	1.2	21
31	Toxicity assessment of atmospheric particulate matter in the Mediterranean and Black Seas open waters. <i>Science of the Total Environment</i> , 2016, 545-546, 163-170.	3.9	26
32	Alterations in gene expression levels provide early indicators of chemical stress during <i>Xenopus laevis</i> embryo development: A case study with perfluorooctane sulfonate (PFOS). <i>Ecotoxicology and Environmental Safety</i> , 2016, 127, 51-60.	2.9	16
33	Toxicity of seven priority hazardous and noxious substances (HNSs) to marine organisms: Current status, knowledge gaps and recommendations for future research. <i>Science of the Total Environment</i> , 2016, 542, 728-749.	3.9	41
34	The use of biomarkers as integrative tools for transitional water bodies monitoring in the Water Framework Directive context " A holistic approach in Minho river transitional waters. <i>Science of the Total Environment</i> , 2016, 539, 85-96.	3.9	38
35	Ensino experimental para a Literacia do Oceano. <i>Revista De CiÃancia Elementar</i> , 2016, 4, .	0.0	1
36	The Mammalian "Obesogen" Tributyltin Targets Hepatic Triglyceride Accumulation and the Transcriptional Regulation of Lipid Metabolism in the Liver and Brain of Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0143911.	1.1	86

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37	Benefits of physical therapy on the executive functions of people with Parkinson's disease: a controlled clinical trial. <i>Journal of the Neurological Sciences</i> , 2015, 357, e350-e351.	0.3	0
38	N-acetyl- $\beta$ -D-glucosaminidase activity in feral <i>Carcinus maenas</i> exposed to cadmium. <i>Aquatic Toxicology</i> , 2015, 159, 225-232.	1.9	6
39	Differential embryotoxicity of the organic pollutants in rural and urban air particles. <i>Environmental Pollution</i> , 2015, 206, 535-542.	3.7	33
40	Assessment of groundwater contamination in an agricultural peri-urban area (NW Portugal): an integrated approach. <i>Environmental Earth Sciences</i> , 2015, 73, 2881-2894.	1.3	22
41	Sertraline accumulation and effects in the estuarine decapod <i>Carcinus maenas</i> : Importance of the history of exposure to chemical stress. <i>Journal of Hazardous Materials</i> , 2015, 283, 350-358.	6.5	35
42	Toxic assessment of urban atmospheric particle-bound PAHs: Relevance of composition and particle size in Barcelona (Spain). <i>Environmental Pollution</i> , 2014, 184, 555-562.	3.7	64
43	Cumulative effects of exposure to cyanobacteria bloom extracts and benzo[a]pyrene on antioxidant defence biomarkers in <i>Gammarus oceanicus</i> (Crustacea: Amphipoda). <i>Toxicol</i> , 2014, 78, 68-77.	0.8	17
44	Integrated biomarker responses of an estuarine invertebrate to high abiotic stress and decreased metal contamination. <i>Marine Environmental Research</i> , 2014, 101, 101-114.	1.1	18
45	Toxicity of atmospheric particle-bound PAHs: an environmental perspective. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11623-11633.	2.7	33
46	Joint effects of salinity and the antidepressant sertraline on the estuarine decapod <i>Carcinus maenas</i> . <i>Aquatic Toxicology</i> , 2014, 156, 169-178.	1.9	18
47	Chronic toxicity of the veterinary antibiotic florfenicol to <i>Daphnia magna</i> assessed at two temperatures. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 1022-1032.	2.0	44
48	Involvement of the antioxidant system in differential sensitivity of <i>Carcinus maenas</i> to fenitrothion exposure. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1938.	1.7	13
49	Exposure of <i>Carcinus maenas</i> to waterborne fluoranthene: Accumulation and multibiomarker responses. <i>Science of the Total Environment</i> , 2013, 443, 454-463.	3.9	46
50	Toxic effects of pure anatoxin-a on biomarkers of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Toxicol</i> , 2013, 70, 162-169.	0.8	19
51	Exposure to industrial wideband noise increases connective tissue in the rat liver. <i>Noise and Health</i> , 2012, 14, 227.	0.4	14
52	Effects of salinity stress on neurotransmission, energy metabolism, and anti-oxidant biomarkers of <i>Carcinus maenas</i> from two estuaries of the NW Iberian Peninsula. <i>Marine Biology</i> , 2012, 159, 2061-2074.	0.7	43
53	Health status of <i>Pomatoschistus microps</i> populations in relation to pollution and natural stressors: implications for ecological risk assessment. <i>Biomarkers</i> , 2012, 17, 62-77.	0.9	46
54	Estudo de uma escala de crenças e de estratégias de coping através do lazer. <i>Análise Psicológica</i> , 2012, 21, 441-451.	0.2	4

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55	Biochemical and locomotor responses of <i>Carcinus maenas</i> exposed to the serotonin reuptake inhibitor fluoxetine. <i>Chemosphere</i> , 2011, 85, 967-976.	4.2	67
56	Environmental issues in urban groundwater systems: a multidisciplinary study of the Paranhos and Salgueiros spring waters, Porto (NW Portugal). <i>Environmental Earth Sciences</i> , 2010, 61, 379-392.	1.3	22
57	Are complex approaches a real advantage in the assessment of ecotoxicological effects in real scenarios?. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2010, 157, S19-S20.	0.8	0
58	Assessing the effects of the selective serotonin reuptake inhibitor fluoxetine on <i>Carcinus maenas</i> using locomotor behaviour and biomarkers as effect criteria. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2010, 157, S23.	0.8	0
59	Comparative study about the effects of pollution on glass and yellow eels ( <i>Anguilla anguilla</i> ) from the estuaries of Minho, Lima and Douro Rivers (NW Portugal). <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 524-533.	2.9	40
60	Yellow eel ( <i>Anguilla anguilla</i> ) development in NW Portuguese estuaries with different contamination levels. <i>Ecotoxicology</i> , 2009, 18, 385-402.	1.1	49
61	Exposure to retinoic acid at the onset of hindbrain segmentation induces episodic breathing in mice. <i>European Journal of Neuroscience</i> , 2007, 25, 3526-3536.	1.2	11
62	The CAG repeat at the Huntington disease gene in the Portuguese population: insights into its dynamics and to the origin of the mutation. <i>Journal of Human Genetics</i> , 2006, 51, 189-195.	1.1	29
63	Transient Ischemic Attacks in Rural and Urban Northern Portugal. <i>Stroke</i> , 2006, 37, 50-55.	1.0	64
64	Arrest in ciliated cell expansion on the bronchial lining of adult rats caused by chronic exposure to industrial noise. <i>Environmental Research</i> , 2005, 97, 282-286.	3.7	12
65	Zonation of Ciliated Cells on the Epithelium of the Rat Trachea. <i>Lung</i> , 2003, 181, 275-282.	1.4	13
66	Portuguese families with dentatorubropallidoluysian atrophy (DRPLA) share a common haplotype of Asian origin. <i>European Journal of Human Genetics</i> , 2003, 11, 808-811.	1.4	37
67	Molecular diagnosis of Huntington disease in Portugal: implications for genetic counselling and clinical practice. <i>European Journal of Human Genetics</i> , 2003, 11, 872-878.	1.4	18
68	REDUCTION OF RAT PLEURAL MICROVILLI CAUSED BY NOISE POLLUTION. <i>Experimental Lung Research</i> , 2003, 29, 445-454.	0.5	8
69	Trinucleotide Repeats in 202 Families With Ataxia. <i>Archives of Neurology</i> , 2002, 59, 623.	4.9	158
70	Chronic Exposure of Rats to Cotton-Mill-Room Noise Changes the Cell Composition of the Tracheal Epithelium. <i>Journal of Occupational and Environmental Medicine</i> , 2002, 44, 1135-1142.	0.9	11
71	Early development of respiratory rhythm generation in mice and chicks. <i>Respiratory Research</i> , 2001, 2, 1.1.	1.4	0
72	High Germinal Instability of the (CTG) <sub>n</sub> at the SCA8 Locus of Both Expanded and Normal Alleles. <i>American Journal of Human Genetics</i> , 2000, 66, 830-840.	2.6	79

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73	Genetic and developmental models for the neural control of breathing in vertebrates. <i>Respiration Physiology</i> , 2000, 122, 247-257.	2.8	22
74	Study of three intragenic polymorphisms in the Machado-Joseph disease gene (MJD1) in relation to genetic instability of the (CAG) <sub>n</sub> tract. <i>European Journal of Human Genetics</i> , 1999, 7, 147-156.	1.4	31
75	MALIA: a project to raise awareness on Marine Litter in the Atlantic and Mediterranean. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 49, 33-40.	0.3	3
76	Improving perception and acceptability of aquaculture through hands-on experimental activities for schools. <i>Frontiers in Marine Science</i> , 0, 6, .	1.2	0