

Isabel Lopes

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

4,950
citations

147801

31
h-index

102487

66
g-index

128
all docs

128
docs citations

128
times ranked

5559
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecotoxicity of cationic cellulose polymers to aquatic biota: The influence of charge density. <i>Science of the Total Environment</i> , 2022, 806, 150560.	8.0	6
2	In vitro toxicity of particulate matter emissions from residential pellet combustion. <i>Journal of Environmental Sciences</i> , 2022, 115, 215-226.	6.1	5
3	Polymethylmethacrylate nanoplastics can cause developmental malformations in early life stages of <i>Xenopus laevis</i> . <i>Science of the Total Environment</i> , 2022, 806, 150491.	8.0	15
4	Seawater intrusion: an appraisal of taxa at most risk and safe salinity levels. <i>Biological Reviews</i> , 2022, 97, 361-382.	10.4	21
5	Cytotoxicity and mutagenicity of particulate matter from the open burning of pruning wastes. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 299.	3.3	1
6	Effects of virgin and weathered polystyrene and polypropylene microplastics on <i>Raphidocelis subcapitata</i> and embryos of <i>Danio rerio</i> under environmental concentrations. <i>Science of the Total Environment</i> , 2022, 816, 151642.	8.0	28
7	Mutagenicity of PM10-bound PAHs from non-exhaust sources. <i>Air Quality, Atmosphere and Health</i> , 2022, 15, 657-665.	3.3	2
8	Saprolegniosis in Amphibians: An Integrated Overview of a Fluffy Killer Disease. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 537.	3.5	3
9	Effects of wastewater-spiked nanoparticles of silver and titanium dioxide on survival, growth, reproduction and biochemical markers of <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2022, 839, 156079.	8.0	11
10	Feeding exposure and feeding behaviour as relevant approaches in the assessment of the effects of micro(nano)plastics to early life stages of amphibians. <i>Environmental Research</i> , 2022, 212, 113476.	7.5	4
11	Humane acute testing with tadpoles for risk assessment of chemicals: Avoidance instead of lethality. <i>Chemosphere</i> , 2022, 303, 135197.	8.2	2
12	Survival recovery rates by six clonal lineages of <i>Daphnia longispina</i> after intermittent exposures to copper. <i>Chemosphere</i> , 2021, 264, 128403.	8.2	3
13	Polymethylmethacrylate nanoplastics effects on the freshwater cnidarian <i>Hydra viridissima</i> . <i>Journal of Hazardous Materials</i> , 2021, 402, 123773.	12.4	36
14	Application of a standard risk assessment scheme to a North Africa contaminated site (Sfax, Tunisia) -Tier 1. <i>Chemosphere</i> , 2021, 263, 128326.	8.2	4
15	Characterization of the Skin Cultivable Microbiota Composition of the Frog <i>Pelophylax perezi</i> Inhabiting Different Environments. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2585.	2.6	9
16	Engineered nanomaterials for (waste)water treatment - A scientometric assessment and sustainability aspects. <i>NanoImpact</i> , 2021, 22, 100316.	4.5	14
17	Effects of Long-Term Exposure to Increased Salinity on the Amphibian Skin Bacterium <i>Erwinia toletana</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 779-788.	4.1	3
18	Hydrophobic modifications of hydroxyethyl cellulose polymers: Their influence on the acute toxicity to aquatic biota. <i>Journal of Hazardous Materials</i> , 2021, 409, 124966.	12.4	12

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19	Public views on plastic pollution: Knowledge, perceived impacts, and pro-environmental behaviours. <i>Journal of Hazardous Materials</i> , 2021, 412, 125227.	12.4	98
20	A One Health perspective of the impacts of microplastics on animal, human and environmental health. <i>Science of the Total Environment</i> , 2021, 777, 146094.	8.0	130
21	Is the toxicity of nanosized polymethylmethacrylate particles dependent on the exposure route and food items?. <i>Journal of Hazardous Materials</i> , 2021, 413, 125443.	12.4	9
22	Responses of benthic macroinvertebrate communities to a Bti-based insecticide in artificial microcosm streams. <i>Environmental Pollution</i> , 2021, 282, 117030.	7.5	8
23	In vitro toxicity of indoor and outdoor PM10 from residential wood combustion. <i>Science of the Total Environment</i> , 2021, 782, 146820.	8.0	17
24	Considerations when using microplates and Neubauer counting chamber in ecotoxicity tests on microplastics. <i>Marine Pollution Bulletin</i> , 2021, 170, 112615.	5.0	6
25	On the path to minimize plastic pollution: The perceived importance of education and knowledge dissemination strategies. <i>Marine Pollution Bulletin</i> , 2021, 171, 112890.	5.0	13
26	Influence of salinity on the toxicity of copper and cadmium to Zebrafish embryos. <i>Aquatic Toxicology</i> , 2021, 241, 106003.	4.0	6
27	Environmental exposure to microplastics: An overview on possible human health effects. <i>Science of the Total Environment</i> , 2020, 702, 134455.	8.0	1,101
28	Lethal and sublethal toxicity assessment of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> and <i>Beauveria bassiana</i> based bioinsecticides to the aquatic insect <i>Chironomus riparius</i> . <i>Science of the Total Environment</i> , 2020, 698, 134155.	8.0	26
29	Active emigration from climate change-caused seawater intrusion into freshwater habitats. <i>Environmental Pollution</i> , 2020, 258, 113805.	7.5	19
30	Perspectives on Micro(Nano)Plastics in the Marine Environment: Biological and Societal Considerations. <i>Water (Switzerland)</i> , 2020, 12, 3208.	2.7	22
31	An integrated approach to assess the sublethal effects of colloidal gold nanorods in tadpoles of <i>Xenopus laevis</i> . <i>Journal of Hazardous Materials</i> , 2020, 400, 123237.	12.4	7
32	Chronic effects of wastewater-borne silver and titanium dioxide nanoparticles on the rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Science of the Total Environment</i> , 2020, 723, 137974.	8.0	32
33	Impact of wastewater-borne nanoparticles of silver and titanium dioxide on the swimming behaviour and biochemical markers of <i>Daphnia magna</i> : An integrated approach. <i>Aquatic Toxicology</i> , 2020, 220, 105404.	4.0	26
34	Studying the toxicity of SLEnS-LAS micelles to collembolans and plants: Influence of ethylene oxide units in the head groups. <i>Journal of Hazardous Materials</i> , 2020, 394, 122522.	12.4	2
35	Environmental status of (micro)plastics contamination in Portugal. <i>Ecotoxicology and Environmental Safety</i> , 2020, 200, 110753.	6.0	32
36	The influence of salinization on seed germination and plant growth under mono and polyculture. <i>Environmental Pollution</i> , 2020, 260, 113993.	7.5	12

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37	Dataset of the preparation and characterization of an artificial sludge for ecotoxicological purposes. Data in Brief, 2019, 25, 104385.	1.0	1
38	The effects of nanoplastics on marine plankton: A case study with polymethylmethacrylate. Ecotoxicology and Environmental Safety, 2019, 184, 109632.	6.0	68
39	Evaluation of the Potential Toxicity of Effluents from the Textile Industry before and after Treatment. Applied Sciences (Switzerland), 2019, 9, 3804.	2.5	27
40	Nanoplastics and marine organisms: What has been studied?. Environmental Toxicology and Pharmacology, 2019, 67, 1-7.	4.0	185
41	Identifying a quick and efficient method of removing organic matter without damaging microplastic samples. Science of the Total Environment, 2019, 686, 131-139.	8.0	182
42	Effects of long-term exposure to colloidal gold nanorods on freshwater microalgae. Science of the Total Environment, 2019, 682, 70-79.	8.0	8
43	Sensitivity to salinization and acclimation potential of amphibian (<i>Pelophylax perezi</i>) and fish (<i>Lepomis</i>) Tj ETQq1 1 0,784314 rgBT /Ome 6,0 24	6.0	24
44	Effects of microplastics on microalgae populations: A critical review. Science of the Total Environment, 2019, 665, 400-405.	8.0	288
45	Genetically inherited tolerance may unveil trait dominance patterns in an amphibian model. Scientific Reports, 2019, 9, 19179.	3.3	2
46	Salinization effects on coastal ecosystems: a terrestrial model ecosystem approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180251.	4.0	31
47	Sensitivity of freshwater species under single and multigenerational exposure to seawater intrusion. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180252.	4.0	39
48	Validity of fish, birds and mammals as surrogates for amphibians and reptiles in pesticide toxicity assessment. Ecotoxicology, 2018, 27, 819-833.	2.4	35
49	Treatment of a textile effluent by adsorption with cork granules and titanium dioxide nanomaterial. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 524-536.	1.7	9
50	Multigenerational effects of salinity in six clonal lineages of <i>Daphnia longispina</i> . Science of the Total Environment, 2018, 619-620, 194-202.	8.0	20
51	Treatment of real industrial wastewaters through nano-TiO ₂ and nano-Fe ₂ O ₃ photocatalysis: case study of mining and kraft pulp mill effluents. Environmental Technology (United Kingdom), 2018, 39, 1586-1596.	2.2	31
52	Role of surfactant headgroups on the toxicity of SLEnS-LAS mixed micelles: A case study using microtox test. Science of the Total Environment, 2018, 643, 1366-1372.	8.0	16
53	O MÃ©todo de Paulo Freire na EducaÃ§Ã£o Ambiental com o uso de aplicativo de informÃ¡tica para dispositivos mÃ³veis. AmbientalMENTEsustentable, 2018, 23-24, 371-385.	0.1	0
54	Determination and validation of an aquatic Maximum Acceptable Concentration-Environmental Quality Standard (MAC-EQS) value for the agricultural fungicide azoxystrobin. Environmental Pollution, 2017, 221, 150-158.	7.5	11

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55	Does increased salinity influence the competitive outcome of two producer species?. Environmental Science and Pollution Research, 2017, 24, 5888-5897.	5.3	20
56	Mutagenicity assessment of aerosols in emissions from domestic combustion processes. Environmental Science and Pollution Research, 2017, 24, 11867-11867.	5.3	1
57	Validation of a two-generational reproduction test in <i>Daphnia magna</i> : An interlaboratory exercise. Science of the Total Environment, 2017, 579, 1073-1083.	8.0	29
58	Salinity induced effects on the growth rates and mycelia composition of basidiomycete and zygomycete fungi. Environmental Pollution, 2017, 231, 1633-1641.	7.5	12
59	Biological relevance of the magnitude of effects (considering mortality, sublethal and reproductive) of 10784314 rgBT /Ovella amphibians and reptiles. EFSA Supporting Publications, 2017, 14, 1251E.	0.7	6
60	Gold nanorods induce early embryonic developmental delay and lethality in zebrafish (<i>Danio rerio</i>). Environmental Science and Pollution Research, 2017, 24, 10784314.	2.3	24
61	Ecotoxicity and Toxicity of Nanomaterials with Potential for Wastewater Treatment Applications. Environmental Science and Pollution Research, 2017, 24, 1182-1216.		0
62	Remediation of mercury contaminated saltwater with functionalized silica coated magnetite nanoparticles. Science of the Total Environment, 2016, 557-558, 712-721.	8.0	38
63	Diversity of cutaneous microbiome of <i>Pelophylax perezi</i> populations inhabiting different environments. Science of the Total Environment, 2016, 572, 995-1004.	8.0	50
64	Impact of organic nano-vesicles in soil: The case of sodium dodecyl sulphate/didodecyl dimethylammonium bromide. Science of the Total Environment, 2016, 547, 413-421.	8.0	19
65	Mutagenicity assessment of aerosols in emissions from domestic combustion processes. Environmental Science and Pollution Research, 2016, 23, 10799-10807.	5.3	17
66	Photocatalytic Treatment of Olive Oil Mill Wastewater Using TiO ₂ and Fe ₂ O ₃ Nanomaterials. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	14
67	Label-free disposable immunosensor for detection of atrazine. Talanta, 2016, 146, 430-434.	5.5	69
68	Multiple Stressor Differential Tolerances: Possible Implications at the Population Level. PLoS ONE, 2016, 11, e0151847.	2.5	10
69	Maternal response to environmental unpredictability. Ecology and Evolution, 2015, 5, 4567-4577.	1.9	9
70	Evidences of salt stress on terrestrial fungi: The use of NaCl as a surrogate to predicted toxicity effects within scenarios of climate change. Toxicology Letters, 2015, 238, S119.	0.8	0
71	Toxicity of solid residues resulting from wastewater treatment with nanomaterials. Aquatic Toxicology, 2015, 165, 172-178.	4.0	28
72	Assessing the ecotoxicity of metal nano-oxides with potential for wastewater treatment. Environmental Science and Pollution Research, 2015, 22, 13212-13224.	5.3	51

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73	Biological treatment with fungi of olive mill wastewater pre-treated by photocatalytic oxidation with nanomaterials. <i>Ecotoxicology and Environmental Safety</i> , 2015, 115, 234-242.	6.0	39
74	Microevolution due to pollution in amphibians: A review on the genetic erosion hypothesis. <i>Environmental Pollution</i> , 2015, 204, 181-190.	7.5	23
75	Effects of NaCl and seawater induced salinity on survival and reproduction of three soil invertebrate species. <i>Chemosphere</i> , 2015, 135, 116-122.	8.2	31
76	Suitability of enzymatic markers to assess the environmental condition of natural populations of <i>Gambusia affinis</i> and <i>Daphnia magna</i> —a case study. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 208.	2.7	4
77	Unraveling the interactive effects of climate change and oil contamination on laboratory-simulated estuarine benthic communities. <i>Global Change Biology</i> , 2015, 21, 1871-1886.	9.5	28
78	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?. <i>Ecological Indicators</i> , 2015, 48, 8-16.	6.3	93
79	Soil microarthropod community testing: A new approach to increase the ecological relevance of effect data for pesticide risk assessment. <i>Applied Soil Ecology</i> , 2014, 83, 200-209.	4.3	23
80	Copper-driven avoidance and mortality in temperate and tropical tadpoles. <i>Aquatic Toxicology</i> , 2014, 146, 70-75.	4.0	59
81	Prediction of salinisation effects on freshwater ecosystems due to climate changes. <i>Toxicology Letters</i> , 2014, 229, S133.	0.8	0
82	A Multidisciplinary Approach to Evaluate the Efficiency of a Clean-Up Technology to Remove Mercury from Water. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 138-143.	2.7	3
83	Efficiency of a cleanup technology to remove mercury from natural waters by means of rice husk biowaste: ecotoxicological and chemical approach. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8146-8156.	5.3	6
84	Contaminant driven genetic erosion and associated hypotheses on alleles loss, reduced population growth rate and increased susceptibility to future stressors: an essay. <i>Ecotoxicology</i> , 2013, 22, 889-899.	2.4	63
85	Salinity and copper interactive effects on perez's frog <i>Pelophylax perezii</i> . <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1864-1872.	4.3	22
86	Biochemical and metabolic effects of a short-term exposure to nanoparticles of titanium silicate in tadpoles of <i>Pelophylax perezii</i> (Seoane). <i>Aquatic Toxicology</i> , 2013, 128-129, 190-192.	4.0	22
87	Occurrence, fate and effects of azoxystrobin in aquatic ecosystems: A review. <i>Environment International</i> , 2013, 53, 18-28.	10.0	181
88	Nanoscale materials and their use in water contaminants removal—a review. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1239-1260.	5.3	192
89	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. <i>Global Change Biology</i> , 2013, 19, 2584-2595.	9.5	18
90	Toxicity of organic and inorganic nanoparticles to four species of white-rot fungi. <i>Science of the Total Environment</i> , 2013, 458-460, 290-297.	8.0	26

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91	Tolerance to Copper and to Salinity in <i>Daphnia longispina</i> : Implications within a Climate Change Scenario. PLoS ONE, 2013, 8, e68702.	2.5	16
92	Excreted Thiocyanate Detects Live Reef Fishes Illegally Collected Using Cyanide—A Non-Invasive and Non-Destructive Testing Approach. PLoS ONE, 2012, 7, e35355.	2.5	22
93	Testing hypotheses on the resistance to metals by <i>Daphnia longispina</i> : Differential acclimation, endpoints association, and fitness costs. Environmental Toxicology and Chemistry, 2012, 31, 909-915.	4.3	22
94	Contaminant driven genetic erosion: A case study with <i>Daphnia longispina</i> . Environmental Toxicology and Chemistry, 2012, 31, 977-982.	4.3	23
95	Toxicity and genotoxicity of organic and inorganic nanoparticles to the bacteria <i>Vibrio fischeri</i> and <i>Salmonella typhimurium</i> . Ecotoxicology, 2012, 21, 637-648.	2.4	64
96	Impact of organic and inorganic nanomaterials in the soil microbial community structure. Science of the Total Environment, 2012, 424, 344-350.	8.0	80
97	Integrated ecological risk assessment of pesticides in tropical ecosystems: A case study with carbofuran in Brazil. Environmental Toxicology and Chemistry, 2012, 31, 437-445.	4.3	34
98	Optical fiber based methodology for assessment of thiocyanate in seawater. Journal of Environmental Monitoring, 2011, 13, 1811.	2.1	7
99	Suitability of five cladoceran species from Mexico for in situ experimentation. Ecotoxicology and Environmental Safety, 2011, 74, 111-116.	6.0	10
100	Screening evaluation of the ecotoxicity and genotoxicity of soils contaminated with organic and inorganic nanoparticles: The role of ageing. Journal of Hazardous Materials, 2011, 194, 345-354.	12.4	36
101	Potential re-colonisation by cladocerans of an acidic tropical pond. Chemosphere, 2011, 82, 1072-1079.	8.2	5
102	The water-soluble fraction of potentially toxic elements in contaminated soils: Relationships between ecotoxicity, solubility and geochemical reactivity. Chemosphere, 2011, 84, 1495-1505.	8.2	35
103	Cleanup of atrazine-contaminated soils: ecotoxicological study on the efficacy of a bioremediation tool with <i>Pseudomonas</i> sp. ADP. Journal of Soils and Sediments, 2010, 10, 568-578.	3.0	32
104	European bee-eater (<i>Merops apiaster</i>) populations under arsenic and metal stress: evaluation of exposure at a mining site. Environmental Monitoring and Assessment, 2010, 161, 237-245.	2.7	13
105	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
106	GENETIC EROSION AND POPULATION RESILIENCE IN <i>DAPHNIA LONGISPINA</i> O.F. MÄCELLER UNDER SIMULATED PREDATION AND METAL PRESSURES. Environmental Toxicology and Chemistry, 2009, 28, 1912.	4.3	19
107	Development and Sensitivity of a 12-h Laboratory Test with <i>Daphnia magna</i> Straus Based on Avoidance of Pulp Mill Effluents. Bulletin of Environmental Contamination and Toxicology, 2008, 81, 464-469.	2.7	25
108	Avoidance tests with small fish: Determination of the median avoidance concentration and of the lowest-observed-effect gradient. Environmental Toxicology and Chemistry, 2008, 27, 1576-1582.	4.3	79

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109	In situ assays with tropical cladocerans to evaluate edge-of-field pesticide runoff toxicity. <i>Chemosphere</i> , 2007, 67, 2250-2256.	8.2	32
110	DIFFERENTIAL RESISTANCE TO COPPER AND MINE DRAINAGE IN DAPHNIA LONGISPINA: RELATIONSHIP WITH ALLOZYME GENOTYPES. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1904.	4.3	19
111	Genetic adaptation to metal stress by natural populations of <i>Daphnia longispina</i> . <i>Ecotoxicology and Environmental Safety</i> , 2006, 63, 275-285.	6.0	40
112	GENETICALLY DETERMINED RESISTANCE TO LETHAL LEVELS OF COPPER BY DAPHNIA LONGISPINA: ASSOCIATION WITH SUBLETHAL RESPONSE AND MULTIPLE/CORESISTANCE. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 1414.	4.3	31
113	Cytochrome B Gene Partial Sequence and RAPD Analysis of Two <i>Daphnia longispina</i> Lineages Differing in their Resistance to Copper. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 755-760.	2.7	7
114	Lack of Evidence for Metallothionein Role in Tolerance to Copper by Natural Populations of <i>Daphnia longispina</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 74, 761-768.	2.7	4
115	Resistance to metal contamination by historically-stressed populations of <i>Ceriodaphnia pulchella</i> : Environmental influence versus genetic determination. <i>Chemosphere</i> , 2005, 61, 1189-1197.	8.2	27
116	Optimization of a pressurization methodology for extracting pore-water. <i>Chemosphere</i> , 2005, 61, 1505-1511.	8.2	12
117	AVOIDANCE OF COPPER CONTAMINATION BY FIELD POPULATIONS OF DAPHNIA LONGISPINA. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1702.	4.3	109
118	Genetic Determination of Tolerance to Lethal and Sublethal Copper Concentrations in Field Populations of <i>Daphnia longispina</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 46, 43-51.	4.1	69
119	Survival Time of <i>Ceriodaphnia dubia</i> in Acid Waters with Metal Contamination. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000, 64, 130-136.	2.7	13
120	Field validation of specific ecotoxicological tools for aquatic systems impacted with acid mine drainage. <i>International Journal of Environmental Studies</i> , 2000, 58, 3-20.	1.6	7
121	Ecotoxicological tools in the remediation of acid mine drainage. <i>Toxicological and Environmental Chemistry</i> , 1999, 70, 441-460.	1.2	19
122	Discriminating the Ecotoxicity due to Metals and to Low pH in Acid Mine Drainage. <i>Ecotoxicology and Environmental Safety</i> , 1999, 44, 207-214.	6.0	52
123	Ecotoxicological responses of isolated mitochondrial systems to complex effluents. Are they worthwhile?. <i>Chemosphere</i> , 1998, 37, 2695-2701.	8.2	9
124	Ecotoxicity and Toxicity of Nanomaterials with Potential for Wastewater Treatment Applications. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 0, , 294-329.	0.4	0