

# Lucia Guilhermino

## List of Publications by Citations

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185  
papers

10,625  
citations

58  
h-index

96  
g-index

189  
ext. papers

12,248  
ext. citations

5.2  
avg, IF

6.71  
L-index

#	Paper	IF	Citations
185	Marine microplastic debris: An emerging issue for food security, food safety and human health. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 133, 336-348	6.7	539
184	Single and combined effects of microplastics and pyrene on juveniles (0+ group) of the common goby <i>Pomatoschistus microps</i> (Teleostei, Gobiidae). <i>Ecological Indicators</i> , <b>2013</b> , 34, 641-647	5.8	410
183	Microplastics cause neurotoxicity, oxidative damage and energy-related changes and interact with the bioaccumulation of mercury in the European seabass, <i>Dicentrarchus labrax</i> (Linnaeus, 1758). <i>Aquatic Toxicology</i> , <b>2018</b> , 195, 49-57	5.1	296
182	Effects of microplastics on juveniles of the common goby ( <i>Pomatoschistus microps</i> ): confusion with prey, reduction of the predatory performance and efficiency, and possible influence of developmental conditions. <i>Environmental Pollution</i> , <b>2015</b> , 196, 359-62	9.3	279
181	Microplastics in wild fish from North East Atlantic Ocean and its potential for causing neurotoxic effects, lipid oxidative damage, and human health risks associated with ingestion exposure. <i>Science of the Total Environment</i> , <b>2020</b> , 717, 134625	10.2	219
180	Acute effects of copper and mercury on the estuarine fish <i>Pomatoschistus microps</i> : linking biomarkers to behaviour. <i>Chemosphere</i> , <b>2009</b> , 76, 1416-27	8.4	218
179	Inhibition of acetylcholinesterase activity as effect criterion in acute tests with juvenile <i>Daphnia magna</i> . <i>Chemosphere</i> , <b>1996</b> , 32, 727-38	8.4	207
178	Lactate dehydrogenase activity as an effect criterion in toxicity tests with <i>Daphnia magna</i> straus. <i>Chemosphere</i> , <b>2001</b> , 45, 553-60	8.4	199
177	Does the presence of microplastics influence the acute toxicity of chromium(VI) to early juveniles of the common goby ( <i>Pomatoschistus microps</i> )? A study with juveniles from two wild estuarine populations. <i>Aquatic Toxicology</i> , <b>2015</b> , 164, 163-74	5.1	197
176	Ecology of the invasive Asian clam <i>Corbicula fluminea</i> (Müller, 1774) in aquatic ecosystems: an overview. <i>Annales De Limnologie</i> , <b>2008</b> , 44, 85-94	0.7	193
175	Effects of dimethoate and beta-naphthoflavone on selected biomarkers of <i>Poecilia reticulata</i> . <i>Fish Physiology and Biochemistry</i> , <b>2002</b> , 26, 149-156	2.7	192
174	SHORT COMMUNICATION Should the use of inhibition of cholinesterases as a specific biomarker for organophosphate and carbamate pesticides be questioned. <i>Biomarkers</i> , <b>1998</b> , 3, 157-63	2.6	188
173	Effects of multi-stressors on juveniles of the marine fish <i>Pomatoschistus microps</i> : Gold nanoparticles, microplastics and temperature. <i>Aquatic Toxicology</i> , <b>2016</b> , 170, 89-103	5.1	186
172	Biochemical responses of the marine mussel <i>Mytilus galloprovincialis</i> to petrochemical environmental contamination along the North-western coast of Portugal. <i>Chemosphere</i> , <b>2007</b> , 66, 1230-42	8.4	186
171	Do metals inhibit acetylcholinesterase (AChE)? Implementation of assay conditions for the use of AChE activity as a biomarker of metal toxicity. <i>Biomarkers</i> , <b>2005</b> , 10, 360-75	2.6	172
170	Influence of microplastics on the toxicity of the pharmaceuticals procainamide and doxycycline on the marine microalgae <i>Tetraselmis chuii</i> . <i>Aquatic Toxicology</i> , <b>2018</b> , 197, 143-152	5.1	151
169	Effects of estuarine sediment contamination on feeding and on key physiological functions of the polychaete <i>Hediste diversicolor</i> : Laboratory and in situ assays. <i>Aquatic Toxicology</i> , <b>2006</b> , 78, 186-201	5.1	136

168	Single and combined effects of microplastics and copper on the population growth of the marine microalgae <i>Tetraselmis chuii</i> . <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 167, 269-275	2.9	133
167	Acute toxicity test with <i>Daphnia magna</i> : an alternative to mammals in the prescreening of chemical toxicity?. <i>Ecotoxicology and Environmental Safety</i> , <b>2000</b> , 46, 357-62	7	128
166	Single and combined effects of microplastics and mercury on juveniles of the European seabass ( <i>Dicentrarchus labrax</i> ): Changes in behavioural responses and reduction of swimming velocity and resistance time. <i>Environmental Pollution</i> , <b>2018</b> , 236, 1014-1019	9.3	125
165	In vitro and in vivo inhibition of <i>Daphnia magna</i> acetylcholinesterase by surfactant agents: possible implications for contamination biomonitoring. <i>Science of the Total Environment</i> , <b>2000</b> , 247, 137-41	10.2	124
164	In vivo evaluation of three biomarkers in the mosquitofish ( <i>Gambusia yucatana</i> ) exposed to pesticides. <i>Chemosphere</i> , <b>2005</b> , 58, 627-36	8.4	120
163	Acetylcholinesterase activity in juveniles of <i>Daphnia magna</i> Straus. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1996</b> , 57, 979-85	2.7	120
162	Microplastic pollution in commercial salt for human consumption: A review. <i>Estuarine, Coastal and Shelf Science</i> , <b>2019</b> , 219, 161-168	2.9	116
161	Uptake and effects of the antimicrobial florfenicol, microplastics and their mixtures on freshwater exotic invasive bivalve <i>Corbicula fluminea</i> . <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 1131-1142	10.2	116
160	Acute effects of Benzo[a]pyrene, anthracene and a fuel oil on biomarkers of the common goby <i>Pomatoschistus microps</i> (Teleostei, Gobiidae). <i>Science of the Total Environment</i> , <b>2008</b> , 395, 87-100	10.2	115
159	Temperature rise and microplastics interact with the toxicity of the antibiotic cefalexin to juveniles of the common goby ( <i>Pomatoschistus microps</i> ): Post-exposure predatory behaviour, acetylcholinesterase activity and lipid peroxidation. <i>Aquatic Toxicology</i> , <b>2016</b> , 180, 173-185	5.1	114
158	Acute toxicity of oxytetracycline and florfenicol to the microalgae <i>Tetraselmis chuii</i> and to the crustacean <i>Artemia parthenogenetica</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2007</b> , 67, 452-8	7	108
157	Microplastics increase mercury bioconcentration in gills and bioaccumulation in the liver, and cause oxidative stress and damage in <i>Dicentrarchus labrax</i> juveniles. <i>Scientific Reports</i> , <b>2018</b> , 8, 15655	4.9	95
156	Transgenerational effects and recovery of microplastics exposure in model populations of the freshwater cladoceran <i>Daphnia magna</i> Straus. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 421-428	10.2	94
155	Effects of microplastics and mercury in the freshwater bivalve <i>Corbicula fluminea</i> (Müller, 1774): Filtration rate, biochemical biomarkers and mercury bioconcentration. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 164, 155-163	7	93
154	Linking behavioural alterations with biomarkers responses in the European seabass <i>Dicentrarchus labrax</i> L. exposed to the organophosphate pesticide fenitrothion. <i>Ecotoxicology</i> , <b>2010</b> , 19, 1369-81	2.9	88
153	Effect of dichlorvos on cholinesterase activity of the European sea bass ( <i>Dicentrarchus labrax</i> ). <i>Pesticide Biochemistry and Physiology</i> , <b>2003</b> , 75, 61-72	4.9	88
152	Effects of widely used pharmaceuticals and a detergent on oxidative stress biomarkers of the crustacean <i>Artemia parthenogenetica</i> . <i>Chemosphere</i> , <b>2006</b> , 62, 581-94	8.4	87
151	Oxidative stress biomarkers in Senegal sole, <i>Solea senegalensis</i> , to assess the impact of heavy metal pollution in a Huelva estuary (SW Spain): seasonal and spatial variation. <i>Ecotoxicology and Environmental Safety</i> , <b>2012</b> , 75, 151-62	7	83

150	Enzymatic biomarkers in the crab <i>Carcinus maenas</i> from the Minho River estuary (NW Portugal) exposed to zinc and mercury. <i>Chemosphere</i> , <b>2007</b> , 66, 1249-55	8.4	82
149	Acute toxicity of widely used pharmaceuticals in aquatic species: <i>Gambusia holbrooki</i> , <i>Artemia parthenogenetica</i> and <i>Tetraselmis chuii</i> . <i>Ecotoxicology and Environmental Safety</i> , <b>2005</b> , 61, 413-9	7	82
148	Bisphenol A and its analogs in muscle and liver of fish from the North East Atlantic Ocean in relation to microplastic contamination. Exposure and risk to human consumers. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 393, 122419	12.8	80
147	Behaviour and biomarkers of oxidative stress in <i>Gambusia holbrooki</i> after acute exposure to widely used pharmaceuticals and a detergent. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 71, 341-54	7	80
146	The use of <i>Mytilus galloprovincialis</i> acetylcholinesterase and glutathione S-transferases activities as biomarkers of environmental contamination along the northwest Portuguese coast. <i>Environmental Monitoring and Assessment</i> , <b>2005</b> , 105, 309-25	3.1	79
145	Characterisation of cholinesterases and evaluation of the inhibitory potential of chlorpyrifos and dichlorvos to <i>Artemia salina</i> and <i>Artemia parthenogenetica</i> . <i>Chemosphere</i> , <b>2002</b> , 48, 563-9	8.4	79
144	Toxicological interactions induced by chronic exposure to gold nanoparticles and microplastics mixtures in <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 474-483	10.2	77
143	Growth and extremely high production of the non-indigenous invasive species <i>Corbicula fluminea</i> (Müller, 1774): Possible implications for ecosystem functioning. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 80, 289-295	2.9	76
142	Molluscan fauna in the freshwater tidal area of the River Minho estuary, NW of Iberian Peninsula. <i>Annales De Limnologie</i> , <b>2005</b> , 41, 141-147	0.7	75
141	An in situ bioassay integrating individual and biochemical responses using small fish species. <i>Ecotoxicology</i> , <b>2004</b> , 13, 667-81	2.9	73
140	Abiotic impacts on spatial and temporal distribution of <i>Corbicula fluminea</i> (Müller, 1774) in the River Minho estuary, Portugal. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2008</b> , 18, 98-110	2.6	70
139	Massive die-offs of freshwater bivalves as resource pulses. <i>Annales De Limnologie</i> , <b>2012</b> , 48, 105-112	0.7	65
138	Characterization of cholinesterases from <i>Daphnia magna</i> straus and their inhibition by zinc. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2003</b> , 71, 219-25	2.7	64
137	Acute and chronic effects of clofibrate and clofibric acid on the enzymes acetylcholinesterase, lactate dehydrogenase and catalase of the mosquitofish, <i>Gambusia holbrooki</i> . <i>Chemosphere</i> , <b>2004</b> , 57, 1581-9	8.4	64
136	Sea-urchin ( <i>Paracentrotus lividus</i> ) glutathione S-transferases and cholinesterase activities as biomarkers of environmental contamination. <i>Journal of Environmental Monitoring</i> , <b>2005</b> , 7, 288-94		63
135	Effects of methamidophos on acetylcholinesterase activity, behavior, and feeding rate of the white shrimp ( <i>Litopenaeus vannamei</i> ). <i>Ecotoxicology and Environmental Safety</i> , <b>2006</b> , 65, 372-80	7	63
134	Acute effects of deltamethrin on swimming velocity and biomarkers of the common prawn <i>Palaemon serratus</i> . <i>Aquatic Toxicology</i> , <b>2012</b> , 124-125, 209-16	5.1	62
133	Mechanisms of cholinesterase inhibition by inorganic mercury. <i>FEBS Journal</i> , <b>2007</b> , 274, 1849-61	5.7	61

132	Effects of dichlorvos aquaculture treatments on selected biomarkers of gilthead sea bream ( <i>Sparus aurata</i> L.) fingerlings. <i>Aquaculture</i> , <b>2007</b> , 266, 87-96	4.4	59
131	Biochemical effects and polycyclic aromatic hydrocarbons (PAHs) in senegal sole ( <i>Solea senegalensis</i> ) from a Huelva estuary (SW Spain). <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 1842-51	7	58
130	Immobilization of the marine microalga <i>Phaeodactylum tricornutum</i> in alginate for in situ experiments: Bead stability and suitability. <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 38, 135-141	3.8	58
129	The Coral Bulker fuel oil spill on the north coast of Portugal: spatial and temporal biomarker responses in <i>Mytilus galloprovincialis</i> . <i>Ecotoxicology</i> , <b>2004</b> , 13, 619-30	2.9	58
128	Minho River tidal freshwater wetlands: threats to faunal biodiversity. <i>Aquatic Biology</i> , <b>2008</b> , 3, 237-250	2	58
127	Characterization of the cholinesterases present in head tissues of the estuarine fish <i>Pomatoschistus microps</i> : application to biomonitoring. <i>Ecotoxicology and Environmental Safety</i> , <b>2005</b> , 62, 341-7	7	57
126	Characterization of cholinesterase from guppy ( <i>Poecilia reticulata</i> ) muscle and its in vitro inhibition by environmental contaminants. <i>Biomarkers</i> , <b>2000</b> , 5, 274-84	2.6	57
125	Acute toxic effects of pyrene on <i>Pomatoschistus microps</i> (Teleostei, Gobiidae): Mortality, biomarkers and swimming performance. <i>Ecological Indicators</i> , <b>2012</b> , 19, 206-214	5.8	54
124	Impact of chemical exposure on the fish <i>Pomatoschistus microps</i> Krøyer (1838) in estuaries of the Portuguese Northwest coast. <i>Chemosphere</i> , <b>2007</b> , 66, 514-22	8.4	54
123	Are gold nanoparticles and microplastics mixtures more toxic to the marine microalgae <i>Tetraselmis chuii</i> than the substances individually?. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 181, 60-68	7	53
122	Biochemical and locomotor responses of <i>Carcinus maenas</i> exposed to the serotonin reuptake inhibitor fluoxetine. <i>Chemosphere</i> , <b>2011</b> , 85, 967-76	8.4	52
121	Effects of Benzo(a)pyrene on Seabass ( <i>Dicentrarchus labrax</i> L.): Biomarkers, Growth and Behavior. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2009</b> , 15, 121-137	4.9	52
120	Toxicity of sodium molybdate and sodium dichromate to <i>Daphnia magna</i> straus evaluated in acute, chronic, and acetylcholinesterase inhibition tests. <i>Ecotoxicology and Environmental Safety</i> , <b>2000</b> , 45, 253-9	7	52
119	Effect of Cu-nanoparticles versus one Cu-salt: analysis of stress biomarkers response in <i>Enchytraeus albidus</i> (Oligochaeta). <i>Nanotoxicology</i> , <b>2012</b> , 6, 134-43	5.3	51
118	Challenges in assessing the toxic effects of polycyclic aromatic hydrocarbons to marine organisms: a case study on the acute toxicity of pyrene to the European seabass ( <i>Dicentrarchus labrax</i> L.). <i>Chemosphere</i> , <b>2012</b> , 86, 926-37	8.4	49
117	Massive mortality of the Asian clam <i>Corbicula fluminea</i> in a highly invaded area. <i>Biological Invasions</i> , <b>2011</b> , 13, 277-280	2.7	49
116	In situ bioassay chambers and procedures for assessment of sediment toxicity with <i>Chironomus riparius</i> . <i>Environmental Pollution</i> , <b>2003</b> , 125, 325-35	9.3	48
115	Effects of copper and cadmium on cholinesterase and glutathione S-transferase activities of two marine gastropods ( <i>Monodonta lineata</i> and <i>Nucella lapillus</i> ). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2007</b> , 145, 648-57	3.2	47

114	Novel bioassay based on acetylcholinesterase and lactate dehydrogenase activities to evaluate the toxicity of chemicals to soil isopods. <i>Ecotoxicology and Environmental Safety</i> , <b>1999</b> , 44, 287-93	7	47
113	Genetic and shell morphological variability of the invasive bivalve <i>Corbicula fluminea</i> (Müller, 1774) in two Portuguese estuaries. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 74, 166-174	2.9	46
112	Biomarker responses of the estuarine brown shrimp <i>Crangon crangon</i> L. to non-toxic stressors: Temperature, salinity and handling stress effects. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2006</b> , 335, 114-122	2.1	46
111	A <i>Daphnia magna</i> first-brood chronic test: An alternative to the conventional 21-Day chronic bioassay?. <i>Ecotoxicology and Environmental Safety</i> , <b>1999</b> , 42, 67-74	7	46
110	Yellow eel ( <i>Anguilla anguilla</i> ) development in NW Portuguese estuaries with different contamination levels. <i>Ecotoxicology</i> , <b>2009</b> , 18, 385-402	2.9	45
109	Species composition and monthly variation of the Molluscan fauna in the freshwater subtidal area of the River Minho estuary. <i>Estuarine, Coastal and Shelf Science</i> , <b>2007</b> , 75, 90-100	2.9	45
108	Cholinesterase from the common prawn ( <i>Palaemon serratus</i> ) eyes: catalytic properties and sensitivity to organophosphate and carbamate compounds. <i>Aquatic Toxicology</i> , <b>2006</b> , 77, 412-21	5.1	45
107	A short-term sublethal in situ toxicity assay with <i>Hediste diversicolor</i> (Polychaeta) for estuarine sediments based on postexposure feeding. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 2010-8	3.8	44
106	Effects of water accommodated fractions of crude oils and diesel on a suite of biomarkers in Atlantic cod ( <i>Gadus morhua</i> ). <i>Aquatic Toxicology</i> , <b>2014</b> , 154, 240-52	5.1	43
105	Reproduction and biochemical responses in <i>Enchytraeus albidus</i> (Oligochaeta) to zinc or cadmium exposures. <i>Environmental Pollution</i> , <b>2011</b> , 159, 1836-43	9.3	43
104	Neurotoxicity, Behavior, and Lethal Effects of Cadmium, Microplastics, and Their Mixtures on Juveniles from Two Wild Populations Exposed under Laboratory Conditions-Implications to Environmental and Human Risk Assessment. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	42
103	Glutathione-S-transferase activity of <i>Fucus</i> spp. as a biomarker of environmental contamination. <i>Aquatic Toxicology</i> , <b>2004</b> , 70, 277-86	5.1	42
102	Biochemical factors contributing to response variation among resistant and sensitive clones of <i>Daphnia magna</i> Straus exposed to ethyl parathion. <i>Ecotoxicology and Environmental Safety</i> , <b>2001</b> , 49, 155-63	7	42
101	Effects of carbofuran on the sea bass ( <i>Dicentrarchus labrax</i> L.): study of biomarkers and behaviour alterations. <i>Ecotoxicology and Environmental Safety</i> , <b>2011</b> , 74, 1905-12	7	41
100	Genetic costs of tolerance to metals in <i>Daphnia longispina</i> populations historically exposed to a copper mine drainage. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 939-46	3.8	41
99	Suitability of test media containing EDTA for the evaluation of acute metal toxicity to <i>Daphnia magna</i> Straus. <i>Ecotoxicology and Environmental Safety</i> , <b>1997</b> , 38, 292-5	7	41
98	Health status of <i>Pomatoschistus microps</i> populations in relation to pollution and natural stressors: implications for ecological risk assessment. <i>Biomarkers</i> , <b>2012</b> , 17, 62-77	2.6	40
97	Biochemical mechanisms of resistance in <i>Daphnia magna</i> exposed to the insecticide fenitrothion. <i>Chemosphere</i> , <b>2007</b> , 70, 74-82	8.4	40

96	An in situ postexposure feeding assay with <i>Carcinus maenas</i> for estuarine sediment-overlying water toxicity evaluations. <i>Environmental Pollution</i> , <b>2006</b> , 139, 318-29	9.3	40
95	Effects of natural and chemical stressors on <i>Enchytraeus albidus</i> : can oxidative stress parameters be used as fast screening tools for the assessment of different stress impacts in soils?. <i>Environment International</i> , <b>2009</b> , 35, 318-24	12.9	39
94	Effects of Temperature in Juvenile Seabass ( <i>Dicentrarchus labrax</i> L.) Biomarker Responses and Behaviour: Implications for Environmental Monitoring. <i>Estuaries and Coasts</i> , <b>2015</b> , 38, 45-55	2.8	38
93	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> , <b>2012</b> , 159, 2061-2074	2.5	38
92	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> , <b>2010</b> , 73, 524-33	7	37
91	Associated macrozoobenthos with the invasive Asian clam <i>Corbicula fluminea</i> . <i>Journal of Sea Research</i> , <b>2012</b> , 72, 113-120	1.9	36
90	Effects of Single Metals and their Mixtures on Selected Enzymes of <i>Carcinus Maenas</i> . <i>Water, Air, and Soil Pollution</i> , <b>2002</b> , 141, 273-280	2.6	36
89	Exposure of <i>Carcinus maenas</i> to waterborne fluoranthene: accumulation and multibiomarker responses. <i>Science of the Total Environment</i> , <b>2013</b> , 443, 454-63	10.2	35
88	Chronic toxicity of the veterinary antibiotic florfenicol to <i>Daphnia magna</i> assessed at two temperatures. <i>Environmental Toxicology and Pharmacology</i> , <b>2013</b> , 36, 1022-32	5.8	34
87	Acute effects of 3,4-dichloroaniline on biomarkers and spleen histology of the common goby <i>Pomatoschistus microps</i> . <i>Chemosphere</i> , <b>2006</b> , 62, 1333-9	8.4	34
86	Factors influencing the occurrence and distribution of <i>Corbicula fluminea</i> (Müller, 1774) in the River Lima estuary. <i>Annales De Limnologie</i> , <b>2006</b> , 42, 165-171	0.7	34
85	Influence of the invasive Asian clam <i>Corbicula fluminea</i> (Bivalvia: Corbiculidae) on estuarine epibenthic assemblages. <i>Estuarine, Coastal and Shelf Science</i> , <b>2014</b> , 143, 12-19	2.9	33
84	Biomarkers responses in muscle of Senegal sole ( <i>Solea senegalensis</i> ) from a heavy metals and PAHs polluted estuary. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 2097-108	6.7	32
83	Environmental pollution and natural populations: a biomarkers case study from the Iberian Atlantic coast. <i>Marine Pollution Bulletin</i> , <b>2006</b> , 52, 1406-13	6.7	32
82	Effect of pesticide exposure on acetylcholinesterase activity in subsistence farmers from Campeche, Mexico. <i>Archives of Environmental Health</i> , <b>2004</b> , 59, 418-25		32
81	Multiple stress effects on marine planktonic organisms: Influence of temperature on the toxicity of polycyclic aromatic hydrocarbons to <i>Tetraselmis chuii</i> . <i>Journal of Sea Research</i> , <b>2012</b> , 72, 94-98	1.9	30
80	Biochemical characterization of cholinesterases in <i>Enchytraeus albidus</i> and assessment of in vivo and in vitro effects of different soil properties, copper and phenmedipham. <i>Ecotoxicology</i> , <b>2011</b> , 20, 119-30	2.8	30
79	Assessing dimethoate contamination in temperate and tropical climates: potential use of biomarkers in bioassays with two chironomid species. <i>Chemosphere</i> , <b>2007</b> , 69, 145-54	8.4	30

78	Characterization and use of the total head soluble cholinesterases from mosquitofish ( <i>Gambusia holbrooki</i> ) for screening of anticholinesterase activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2005</b> , 20, 369-76	5.6	30
77	Comparative sensitivity of European native ( <i>Anodonta anatina</i> ) and exotic ( <i>Corbicula fluminea</i> ) bivalves to mercury. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 167, 191-198	2.9	29
76	Cholinesterase and glutathione S-transferase activities of three mollusc species from the NW Portuguese coast in relation to the Prestige Oil spill. <i>Chemosphere</i> , <b>2009</b> , 77, 1465-75	8.4	29
75	Swimming velocity, avoidance behavior and biomarkers in <i>Palaemon serratus</i> exposed to fenitrothion. <i>Chemosphere</i> , <b>2013</b> , 90, 936-44	8.4	28
74	Short-term sublethal (sediment and aquatic roots of floating macrophytes) assays with a tropical chironomid based on postexposure feeding and biomarkers. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 2234-42	3.8	27
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72	In situ assays with tropical cladocerans to evaluate edge-of-field pesticide runoff toxicity. <i>Chemosphere</i> , <b>2007</b> , 67, 2250-6	8.4	26
71	Baseline study of perfluorooctane sulfonate occurrence in mussels, <i>Mytilus galloprovincialis</i> , from north-central Portuguese estuaries. <i>Marine Pollution Bulletin</i> , <b>2005</b> , 50, 1128-32	6.7	25
70	Transcriptional and biochemical analysis of antioxidant enzymes in the mussel <i>Mytilus galloprovincialis</i> during experimental exposures to the toxic dinoflagellate <i>Prorocentrum lima</i> . <i>Marine Environmental Research</i> , <b>2017</b> , 129, 304-315	3.3	24
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68	Ecotoxicological tools for the tropics: Sublethal assays with fish to evaluate edge-of-field pesticide runoff toxicity. <i>Ecotoxicology and Environmental Safety</i> , <b>2010</b> , 73, 893-9	7	23
67	Mercury chloride effects on the function and cellular integrity of sea bass ( <i>Dicentrarchus labrax</i> ) head kidney macrophages. <i>Fish and Shellfish Immunology</i> , <b>2004</b> , 17, 489-98	4.3	23
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65	Environmental issues in urban groundwater systems: a multidisciplinary study of the Paranhos and Salgueiros spring waters, Porto (NW Portugal). <i>Environmental Earth Sciences</i> , <b>2010</b> , 61, 379-392	2.9	21
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59	Black-bellied whistling duck ( <i>Dendrocygna autumnalis</i> ) brain cholinesterase characterization and diagnosis of anticholinesterase pesticide exposure in wild populations from Mexico. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 313-7	3.8	20
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53	Optimization of NRU assay in primary cultures of <i>Eisenia fetida</i> for metal toxicity assessment. <i>Ecotoxicology</i> , <b>2014</b> , 23, 1326-35	2.9	17
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48	Short-term toxic effects of naphthalene and pyrene on the common prawn ( <i>Palaemon serratus</i> ) assessed by a multi-parameter laboratorial approach: mechanisms of toxicity and impairment of individual fitness. <i>Biomarkers</i> , <b>2012</b> , 17, 275-85	2.6	15
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41	The influence of short-term experimental fasting on biomarker responsiveness in oil WAF exposed mussels. <i>Aquatic Toxicology</i> , <b>2019</b> , 206, 164-175	5.1	14
40	Lysine acetylsalicylate increases the safety of a paraquat formulation to freshwater primary producers: a case study with the microalga <i>Chlorella vulgaris</i> . <i>Aquatic Toxicology</i> , <b>2014</b> , 146, 137-43	5.1	13
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37	Toxicity of mercury and post-exposure recovery in <i>Corbicula fluminea</i> : Neurotoxicity, oxidative stress and oxygen consumption. <i>Ecological Indicators</i> , <b>2018</b> , 91, 503-510	5.8	12
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