LÃºcia Guilhermino

List of Publications by Year
in descending order

186	14,216	18465 62	22808 112
papers	citations	h-index	g-index

189	189	189	10473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Marine microplastic debris: An emerging issue for food security, food safety and human health. Marine Pollution Bulletin, 2018, 133, 336-348.	2.3	947
2	Single and combined effects of microplastics and pyrene on juveniles (0+ group) of the common goby Pomatoschistus microps (Teleostei, Gobiidae). Ecological Indicators, 2013, 34, 641-647.	2.6	539
3	Microplastics cause neurotoxicity, oxidative damage and energy-related changes and interact with the bioaccumulation of mercury in the European seabass, Dicentrarchus labrax (Linnaeus, 1758). Aquatic Toxicology, 2018, 195, 49-57.	1.9	471
4	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. Science of the Total Environment, 2020, 717, 134625.	3.9	465
5	Effects of microplastics on juveniles of the common goby (Pomatoschistus microps): Confusion with prey, reduction of the predatory performance and efficiency, and possible influence of developmental conditions. Environmental Pollution, 2015, 196, 359-362.	3.7	404
6	Does the presence of microplastics influence the acute toxicity of chromium(VI) to early juveniles of the common goby (Pomatoschistus microps)? A study with juveniles from two wild estuarine populations. Aquatic Toxicology, 2015, 164, 163-174.	1.9	263
7	Ecology of the invasive Asian clam Corbicula fluminea (MÃ¼ller, 1774) in aquatic ecosystems: an overview. Annales De Limnologie, 2008, 44, 85-94.	0.6	259
8	Lactate dehydrogenase activity as an effect criterion in toxicity tests with Daphnia magna straus. Chemosphere, 2001, 45, 553-560.	4.2	248
9	Acute effects of copper and mercury on the estuarine fish Pomatoschistus microps: Linking biomarkers to behaviour. Chemosphere, 2009, 76, 1416-1427.	4.2	247
10	Inhibition of acetylcholinesterase activity as effect criterion in acute tests with juvenile Daphnia Magna. Chemosphere, 1996, 32, 727-738.	4.2	246
11	Effects of multi-stressors on juveniles of the marine fish Pomatoschistus microps: Gold nanoparticles, microplastics and temperature. Aquatic Toxicology, 2016, 170, 89-103.	1.9	238
12	Influence of microplastics on the toxicity of the pharmaceuticals procainamide and doxycycline on the marine microalgae Tetraselmis chuii. Aquatic Toxicology, 2018, 197, 143-152.	1.9	230
13	Biochemical responses of the marine mussel Mytilus galloprovincialis to petrochemical environmental contamination along the North-western coast of Portugal. Chemosphere, 2007, 66, 1230-1242.	4.2	223
14	Effects of dimethoate and beta-naphthoflavone on selected biomarkers of Poecilia reticulata. Fish Physiology and Biochemistry, 2002, 26, 149-156.	0.9	221
15	SHORT COMMUNICATION Should the use of inhibition of cholinesterases as a specific biomarker for organophosphate and carbamate pesticides be questioned. Biomarkers, 1998, 3, 157-163.	0.9	210
16	Single and combined effects of microplastics and mercury on juveniles of the European seabass (Dicentrarchus labrax): Changes in behavioural responses and reduction of swimming velocity and resistance time. Environmental Pollution, 2018, 236, 1014-1019.	3.7	208
17	Microplastic pollution in commercial salt for human consumption: A review. Estuarine, Coastal and Shelf Science, 2019, 219, 161-168.	0.9	205
18	Do metals inhibit acetylcholinesterase (AChE)? Implementation of assay conditions for the use of AChE activity as a biomarker of metal toxicity. Biomarkers, 2005, 10, 360-375.	0.9	202

#	Article	IF	Citations
19	Uptake and effects of the antimicrobial florfenicol, microplastics and their mixtures on freshwater exotic invasive bivalve Corbicula fluminea. Science of the Total Environment, 2018, 622-623, 1131-1142.	3.9	185
20	Single and combined effects of microplastics and copper on the population growth of the marine microalgae Tetraselmis chuii. Estuarine, Coastal and Shelf Science, 2015, 167, 269-275.	0.9	183
21	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. Journal of Hazardous Materials, 2020, 393, 122419.	6.5	180
22	Temperature rise and microplastics interact with the toxicity of the antibiotic cefalexin to juveniles of the common goby (Pomatoschistus microps): Post-exposure predatory behaviour, acetylcholinesterase activity and lipid peroxidation. Aquatic Toxicology, 2016, 180, 173-185.	1.9	173
23	Acute Toxicity Test with Daphnia magna: An Alternative to Mammals in the Prescreening of Chemical Toxicity?. Ecotoxicology and Environmental Safety, 2000, 46, 357-362.	2.9	172
24	Microplastics increase mercury bioconcentration in gills and bioaccumulation in the liver, and cause oxidative stress and damage in Dicentrarchus labrax juveniles. Scientific Reports, 2018, 8, 15655.	1.6	164
25	Transgenerational effects and recovery of microplastics exposure in model populations of the freshwater cladoceran Daphnia magna Straus. Science of the Total Environment, 2018, 631-632, 421-428.	3.9	156
26	Effects of estuarine sediment contamination on feeding and on key physiological functions of the polychaete Hediste diversicolor: Laboratory and in situ assays. Aquatic Toxicology, 2006, 78, 186-201.	1.9	154
27	Effects of microplastics and mercury in the freshwater bivalve Corbicula fluminea (MÃ¼ller, 1774): Filtration rate, biochemical biomarkers and mercury bioconcentration. Ecotoxicology and Environmental Safety, 2018, 164, 155-163.	2.9	151
28	In vivo evaluation of three biomarkers in the mosquitofish (Gambusia yucatana) exposed to pesticides. Chemosphere, 2005, 58, 627-636.	4.2	147
29	In vitro and in vivo inhibition of Daphnia magna acetylcholinesterase by surfactant agents: possible implications for contamination biomonitoring. Science of the Total Environment, 2000, 247, 137-141.	3.9	140
30	Acetylcholinesterase Activity in Juveniles of Daphnia magna Straus. Bulletin of Environmental Contamination and Toxicology, 1996, 57, 979-985.	1.3	136
31	Acute toxicity of oxytetracycline and florfenicol to the microalgae Tetraselmis chuii and to the crustacean Artemia parthenogenetica. Ecotoxicology and Environmental Safety, 2007, 67, 452-458.	2.9	136
32	Acute effects of Benzo[a]pyrene, anthracene and a fuel oil on biomarkers of the common goby Pomatoschistus microps (Teleostei, Gobiidae). Science of the Total Environment, 2008, 395, 87-100.	3.9	132
33	Toxicological interactions induced by chronic exposure to gold nanoparticles and microplastics mixtures in Daphnia magna. Science of the Total Environment, 2018, 628-629, 474-483.	3.9	114
34	Linking behavioural alterations with biomarkers responses in the European seabass Dicentrarchus labrax L. exposed to the organophosphate pesticide fenitrothion. Ecotoxicology, 2010, 19, 1369-1381.	1.1	104
35	Growth and extremely high production of the non-indigenous invasive species Corbicula fluminea (MÃ¼ller, 1774): Possible implications for ecosystem functioning. Estuarine, Coastal and Shelf Science, 2008, 80, 289-295.	0.9	103
36	Effect of dichlorvos on cholinesterase activity of the European sea bass (Dicentrarchus labrax). Pesticide Biochemistry and Physiology, 2003, 75, 61-72.	1.6	102

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37	Effects of widely used pharmaceuticals and a detergent on oxidative stress biomarkers of the crustacean Artemia parthenogenetica. Chemosphere, 2006, 62, 581-594.	4.2	102
38	Molluscan fauna in the freshwater tidal area of the River Minho estuary, NW of Iberian Peninsula. Annales De Limnologie, 2005, 41, 141-147.	0.6	100
39	Oxidative stress biomarkers in Senegal sole, Solea senegalensis, to assess the impact of heavy metal pollution in a Huelva estuary (SW Spain): Seasonal and spatial variation. Ecotoxicology and Environmental Safety, 2012, 75, 151-162.	2.9	100
40	Enzymatic biomarkers in the crab Carcinus maenas from the Minho River estuary (NW Portugal) exposed to zinc and mercury. Chemosphere, 2007, 66, 1249-1255.	4.2	97
41	Abiotic impacts on spatial and temporal distribution of Corbicula fluminea (MÃ¼ller, 1774) in the River Minho estuary, Portugal. Aquatic Conservation: Marine and Freshwater Ecosystems, 2008, 18, 98-110.	0.9	96
42	Acute toxicity of widely used pharmaceuticals in aquatic species: Gambusia holbrooki, Artemia parthenogenetica and Tetraselmis chuii. Ecotoxicology and Environmental Safety, 2005, 61, 413-419.	2.9	94
43	Characterisation of cholinesterases and evaluation of the inhibitory potential of chlorpyrifos and dichlorvos to Artemia salina and Artemia parthenogenetica. Chemosphere, 2002, 48, 563-569.	4.2	91
44	Behaviour and biomarkers of oxidative stress in Gambusia holbrooki after acute exposure to widely used pharmaceuticals and a detergent. Ecotoxicology and Environmental Safety, 2008, 71, 341-354.	2.9	91
45	The Use of Mytilus Galloprovincialis Acetylcholinesterase and Glutathione S-Transferases Activities as Biomarkers of Environmental Contamination Along the Northwest Portuguese Coast. Environmental Monitoring and Assessment, 2005, 105, 309-325.	1.3	90
46	Massive die-offs of freshwater bivalves as resource pulses. Annales De Limnologie, 2012, 48, 105-112.	0.6	88
47	Are gold nanoparticles and microplastics mixtures more toxic to the marine microalgae Tetraselmis chuii than the substances individually?. Ecotoxicology and Environmental Safety, 2019, 181, 60-68.	2.9	86
48	Sea-urchin (Paracentrotus lividus) glutathione S-transferases and cholinesterase activities as biomarkers of environmental contamination. Journal of Environmental Monitoring, 2005, 7, 288-294.	2.1	78
49	Neurotoxicity, Behavior, and Lethal Effects of Cadmium, Microplastics, and Their Mixtures on Pomatoschistus microps Juveniles from Two Wild Populations Exposed under Laboratory Conditionsâ€•Implications to Environmental and Human Risk Assessment. International Journal of Environmental Research and Public Health, 2019, 16, 2857.	1.2	77
50	Minho River tidal freshwater wetlands: threats to faunal biodiversity. Aquatic Biology, 2008, 3, 237-250.	0.5	76
51	An In Situ Bioassay Integrating Individual and Biochemical Responses Using Small Fish Species. Ecotoxicology, 2004, 13, 667-681.	1.1	75
52	Acute and chronic effects of clofibrate and clofibric acid on the enzymes acetylcholinesterase, lactate dehydrogenase and catalase of the mosquitofish, Gambusia holbrooki. Chemosphere, 2004, 57, 1581-1589.	4.2	72
53	Mechanisms of cholinesterase inhibition by inorganic mercury. FEBS Journal, 2007, 274, 1849-1861.	2.2	72
54	Characterization of Cholinesterases from Daphnia magna Straus and Their Inhibition by Zinc. Bulletin of Environmental Contamination and Toxicology, 2003, 71, 219-225.	1.3	71

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55	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.	1.6	69
56	Acute effects of deltamethrin on swimming velocity and biomarkers of the common prawn Palaemon serratus. Aquatic Toxicology, 2012, 124-125, 209-216.	1.9	69
57	Effects of methamidophos on acetylcholinesterase activity, behavior, and feeding rate of the white shrimp (Litopenaeus vannamei). Ecotoxicology and Environmental Safety, 2006, 65, 372-380.	2.9	68
58	Biochemical and locomotor responses of Carcinus maenas exposed to the serotonin reuptake inhibitor fluoxetine. Chemosphere, 2011, 85, 967-976.	4.2	67
59	Toxicity of Sodium Molybdate and Sodium Dichromate to Daphnia magna Straus Evaluated in Acute, Chronic, and Acetylcholinesterase Inhibition Tests. Ecotoxicology and Environmental Safety, 2000, 45, 253-259.	2.9	66
60	Massive mortality of the Asian clam Corbicula fluminea in a highly invaded area. Biological Invasions, 2011, 13, 277-280.	1.2	66
61	Biochemical effects and polycyclic aromatic hydrocarbons (PAHs) in senegal sole (Solea senegalensis) from a Huelva estuary (SW Spain). Ecotoxicology and Environmental Safety, 2010, 73, 1842-1851.	2.9	65
62	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.	1.1	63
63	Effects of dichlorvos aquaculture treatments on selected biomarkers of gilthead sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	63
64	Species composition and monthly variation of the Molluscan fauna in the freshwater subtidal area of the River Minho estuary. Estuarine, Coastal and Shelf Science, 2007, 75, 90-100.	0.9	63
65	Characterization of cholinesterase from guppy (Poecilia reticulata) muscle and itsin vitroinhibition by environmental contaminants. Biomarkers, 2000, 5, 274-284.	0.9	62
66	Genetic and shell morphological variability of the invasive bivalve Corbicula fluminea (MÃ¼ller, 1774) in two Portuguese estuaries. Estuarine, Coastal and Shelf Science, 2007, 74, 166-174.	0.9	62
67	Acute toxic effects of pyrene on Pomatoschistus microps (Teleostei, Gobiidae): Mortality, biomarkers and swimming performance. Ecological Indicators, 2012, 19, 206-214.	2.6	61
68	Characterization of the cholinesterases present in head tissues of the estuarine fish Pomatoschistus microps: Application to biomonitoring. Ecotoxicology and Environmental Safety, 2005, 62, 341-347.	2.9	60
69	Impact of chemical exposure on the fish Pomatoschistus microps KrÃ¸yer (1838) in estuaries of the Portuguese Northwest coast. Chemosphere, 2007, 66, 514-522.	4.2	60
70	Effects of copper and cadmium on cholinesterase and glutathione S-transferase activities of two marine gastropods (Monodonta lineata and Nucella lapillus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 648-657.	1.3	59
71	Effect of Cu-nanoparticles versus one Cu-salt: Analysis of stress biomarkers response inEnchytraeus albidus(Oligochaeta). Nanotoxicology, 2012, 6, 134-143.	1.6	59
72	Novel Bioassay Based on Acetylcholinesterase and Lactate Dehydrogenase Activities to Evaluate the Toxicity of Chemicals to Soil Isopods. Ecotoxicology and Environmental Safety, 1999, 44, 287-293.	2.9	58

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73	Effects of Benzo(a)pyrene on Seabass (Dicentrarchus labraxL.): Biomarkers, Growth and Behavior. Human and Ecological Risk Assessment (HERA), 2009, 15, 121-137.	1.7	56
74	In situ bioassay chambers and procedures for assessment of sediment toxicity with Chironomus riparius. Environmental Pollution, 2003, 125, 325-335.	3.7	55
75	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 (Dicentrarchus labrax L.). Chemosphere, 2012, 86, 926-937.	4.2	55
76	ADaphnia magnaFirst-Brood Chronic Test: An Alternative to the Conventional 21-Day Chronic Bioassay?. Ecotoxicology and Environmental Safety, 1999, 42, 67-74.	2.9	54
77	Cholinesterase from the common prawn (Palaemon serratus) eyes: Catalytic properties and sensitivity to organophosphate and carbamate compounds. Aquatic Toxicology, 2006, 77, 412-421.	1.9	52
78	Biomarker responses of the estuarine brown shrimp Crangon crangon L. to non-toxic stressors: Temperature, salinity and handling stress effects. Journal of Experimental Marine Biology and Ecology, 2006, 335, 114-122.	0.7	51
79	Biochemical mechanisms of resistance in Daphnia magna exposed to the insecticide fenitrothion. Chemosphere, 2007, 70, 74-82.	4.2	50
80	Reproduction and biochemical responses in Enchytraeus albidus (Oligochaeta) to zinc or cadmium exposures. Environmental Pollution, 2011, 159, 1836-1843.	3.7	50
81	Effects of Temperature in Juvenile Seabass (Dicentrarchus labrax L.) Biomarker Responses and Behaviour: Implications for Environmental Monitoring. Estuaries and Coasts, 2015, 38, 45-55.	1.0	50
82	Long-term adverse effects of microplastics on Daphnia magna reproduction and population growth rate at increased water temperature and light intensity: Combined effects of stressors and interactions. Science of the Total Environment, 2021, 784, 147082.	3.9	50
83	Suitability of Test Media Containing EDTA for the Evaluation of Acute Metal Toxicity toDaphnia magnaStraus. Ecotoxicology and Environmental Safety, 1997, 38, 292-295.	2.9	49
84	Biochemical Factors Contributing to Response Variation among Resistant and Sensitive Clones of Daphnia magna Straus Exposed to Ethyl parathion. Ecotoxicology and Environmental Safety, 2001, 49, 155-163.	2.9	49
85	Yellow eel (Anguilla anguilla) development in NW Portuguese estuaries with different contamination levels. Ecotoxicology, 2009, 18, 385-402.	1.1	49
86	Effects of natural and chemical stressors on Enchytraeus albidus: Can oxidative stress parameters be used as fast screening tools for the assessment of different stress impacts in soils?. Environment International, 2009, 35, 318-324.	4.8	49
87	Effects of water accommodated fractions of crude oils and diesel on a suite of biomarkers in Atlantic cod (Gadus morhua). Aquatic Toxicology, 2014, 154, 240-252.	1.9	49
88	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.	2.2	48
89	Effects of Single Metals and their Mixtures on Selected Enzymes of Carcinus Maenas. Water, Air, and Soil Pollution, 2002, 141, 273-280.	1.1	47
90	Genetic costs of tolerance to metals in Daphnia longispina populations historically exposed to a copper mine drainage. Environmental Toxicology and Chemistry, 2010, 29, 939-946.	2.2	47

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91	Effects of carbofuran on the sea bass (Dicentrarchus labrax L.): Study of biomarkers and behaviour alterations. Ecotoxicology and Environmental Safety, 2011, 74, 1905-1912.	2.9	47
92	Health status ofPomatoschistus micropspopulations in relation to pollution and natural stressors: implications for ecological risk assessment. Biomarkers, 2012, 17, 62-77.	0.9	46
93	Exposure of Carcinus maenas to waterborne fluoranthene: Accumulation and multibiomarker responses. Science of the Total Environment, 2013, 443, 454-463.	3.9	46
94	Influence of the invasive Asian clam Corbicula fluminea (Bivalvia: Corbiculidae) on estuarine epibenthic assemblages. Estuarine, Coastal and Shelf Science, 2014, 143, 12-19.	0.9	46
95	An in situ postexposure feeding assay with Carcinus maenas for estuarine sediment-overlying water toxicity evaluations. Environmental Pollution, 2006, 139, 318-329.	3.7	45
96	Glutathione-S-transferase activity of Fucus spp. as a biomarker of environmental contamination. Aquatic Toxicology, 2004, 70, 277-286.	1.9	44
97	Acute effects of 3,4-dichloroaniline on biomarkers and spleen histology of the common goby Pomatoschistus microps. Chemosphere, 2006, 62, 1333-1339.	4.2	44
98	Factors influencing the occurrence and distribution of Corbicula fluminea (MÃ¼ller, 1774) in the River Lima estuary. Annales De Limnologie, 2006, 42, 165-171.	0.6	44
99	Chronic toxicity of the veterinary antibiotic florfenicol to Daphnia magna assessed at two temperatures. Environmental Toxicology and Pharmacology, 2013, 36, 1022-1032.	2.0	44
100	Effects of salinity stress on neurotransmission, energy metabolism, and anti-oxidant biomarkers of Carcinus maenas from two estuaries of the NW Iberian Peninsula. Marine Biology, 2012, 159, 2061-2074.	0.7	43
101	Effect of Pesticide Exposure on Acetylcholinesterase Activity in Subsistence Farmers from Campeche, Mexico. Archives of Environmental Health, 2004, 59, 418-425.	0.4	42
102	Multiple stress effects on marine planktonic organisms: Influence of temperature on the toxicity of polycyclic aromatic hydrocarbons to Tetraselmis chuii. Journal of Sea Research, 2012, 72, 94-98.	0.6	41
103	Associated macrozoobenthos with the invasive Asian clam Corbicula fluminea. Journal of Sea Research, 2012, 72, 113-120.	0.6	41
104	Transcriptional and biochemical analysis of antioxidant enzymes in the mussel Mytilus galloprovincialis during experimental exposures to the toxic dinoflagellate Prorocentrum lima. Marine Environmental Research, 2017, 129, 304-315.	1.1	41
105	Comparative study about the effects of pollution on glass and yellow eels (Anguilla anguilla) from the estuaries of Minho, Lima and Douro Rivers (NW Portugal). Ecotoxicology and Environmental Safety, 2010, 73, 524-533.	2.9	40
106	Environmental pollution and natural populations: A biomarkers case study from the Iberian Atlantic coast. Marine Pollution Bulletin, 2006, 52, 1406-1413.	2.3	35
107	Biomarkers responses in muscle of Senegal sole (Solea senegalensis) from a heavy metals and PAHs polluted estuary. Marine Pollution Bulletin, 2012, 64, 2097-2108.	2.3	35
108	Assessing dimethoate contamination in temperate and tropical climates: Potential use of biomarkers in bioassays with two chironomid species. Chemosphere, 2007, 69, 145-154.	4.2	34

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109	Cholinesterase and glutathione S-transferase activities of three mollusc species from the NW Portuguese coast in relation to the â€˜Prestigeâ€™ oil spill. Chemosphere, 2009, 77, 1465-1475.	4.2	34
110	Microplastics in fishes from an estuary (Minho River) ending into the NE Atlantic Ocean. Marine Pollution Bulletin, 2021, 173, 113008.	2.3	34
111	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.	2.2	33
112	Characterization and use of the total head soluble cholinesterases from mosquitofish (Gambusia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Chemistry, 2005, 20, 369-376.	2.5	33
113	Swimming velocity, avoidance behavior and biomarkers in Palaemon serratus exposed to fenitrothion. Chemosphere, 2013, 90, 936-944.	4.2	33
114	Comparative sensitivity of European native (Anodonta anatina) and exotic (Corbicula fluminea) bivalves to mercury. Estuarine, Coastal and Shelf Science, 2015, 167, 191-198.	0.9	33
115	Acute effects of 3,4-dichloroaniline on blood of male wistar rats. Chemosphere, 1998, 37, 619-632.	4.2	32
116	In situ assays with tropical cladocerans to evaluate edge-of-field pesticide runoff toxicity. Chemosphere, 2007, 67, 2250-2256.	4.2	32
117	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.	2.9	32
118	Zooplankton structure and dynamics in two estuaries from the Atlantic coast in relation to multi-stressors exposure. Estuarine, Coastal and Shelf Science, 2015, 167, 347-367.	0.9	32
119	Low Genetic Diversity and High Invasion Success of Corbicula fluminea (Bivalvia, Corbiculidae) (MÃ¼ller, 1774) in Portugal. PLoS ONE, 2016, 11, e0158108.	1.1	32
120	Baseline study of perfluorooctane sulfonate occurrence in mussels, Mytilus galloprovincialis, from north-central portuguese estuaries. Marine Pollution Bulletin, 2005, 50, 1128-1132.	2.3	31
121	BLACK-BELLIED WHISTLING DUCK (DENDROCYGNA AUTUMNALIS) BRAIN CHOLINESTERASE CHARACTERIZATION AND DIAGNOSIS OF ANTICHOLINESTERASE PESTICIDE EXPOSURE IN WILD POPULATIONS FROM MEXICO. Environmental Toxicology and Chemistry, 2005, 24, 313.	2.2	30
122	Biochemical characterization of cholinesterases in Enchytraeus albidus and assessment of in vivo and in vitro effects of different soil properties, copper and phenmedipham. Ecotoxicology, 2011, 20, 119-130.	1.1	30
123	Fucus spp. as a Mercury Contamination Bioindicator in Costal Areas (Northwestern Portugal). Bulletin of Environmental Contamination and Toxicology, 2007, 79, 388-395.	1.3	29
124	Stream salinization and fungal-mediated leaf decomposition: A microcosm study. Science of the Total Environment, 2017, 599-600, 1638-1645.	3.9	28
125	Mercury chloride effects on the function and cellular integrity of sea bass (Dicentrarchus labrax) head kidney macrophages. Fish and Shellfish Immunology, 2004, 17, 489-498.	1.6	27
126	Comparative study between the toxicity of 3,4-dichloroaniline and sodium bromide with 21-days chronic test and using lactate dehydrogenase activity of Daphnia magna Straus. Chemosphere, 1994, 28, 2021-2027.	4.2	25

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127	METIER (modular ecotoxicity tests incorporating ecological relevance). II. Ecotoxicity of poorly water-soluble compounds: Concentration versus dose. Archives of Environmental Contamination and Toxicology, 1995, 29, 431.	2.1	25
128	Effects of Cadmium and Parathion Exposure on Hematology and Blood Biochemistry of Adult Male Rats. Bulletin of Environmental Contamination and Toxicology, 1998, 60, 52-59.	1.3	24
129	Rapid decline of the greater European peaclam at the periphery of its distribution. Annales De Limnologie, 2011, 47, 211-219.	0.6	24
130	Use of stable isotope ratios of fish larvae as indicators to assess diets and patterns of anthropogenic nitrogen pollution in estuarine ecosystems. Ecological Indicators, 2017, 83, 112-121.	2.6	23
131	Environmental issues in urban groundwater systems: a multidisciplinary study of the Paranhos and Salgueiros spring waters, Porto (NW Portugal). Environmental Earth Sciences, 2010, 61, 379-392.	1.3	22
132	A framework to assess the vulnerability of estuarine systems for use in ecological risk assessment. Ocean and Coastal Management, 2016, 119, 267-277.	2.0	22
133	Alterations of reproductive parameters in the crab Carcinus maenas after exposure to metals. Water, Air, and Soil Pollution, 2005, 160, 245-258.	1.1	21
134	Does mercury interact with the inhibitory effect of dichlorvos on Palaemon serratus (Crustacea:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	3.9	21
135	Integrated biomarker responses of the invasive species Corbicula fluminea in relation to environmental abiotic conditions: A potential indicator of the likelihood of clam's summer mortality syndrome. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 182, 27-37.	0.8	21
136	Environmental Groundwater Vulnerability Assessment in Urban Water Mines (Porto, NW Portugal). Water (Switzerland), 2016, 8, 499.	1.2	21
137	Effect of sublethal concentrations of copper sulphate on seabreamSparus auratafingerlings. Aquatic Living Resources, 2007, 20, 263-270.	0.5	20
138	Optimization of NRU assay in primary cultures of Eisenia fetida for metal toxicity assessment. Ecotoxicology, 2014, 23, 1326-1335.	1.1	20
139	The influence of short-term experimental fasting on biomarker responsiveness in oil WAF exposed mussels. Aquatic Toxicology, 2019, 206, 164-175.	1.9	20
140	Short-term toxic effects of naphthalene and pyrene on the common prawn (Palaemon serratus) assessed by a multi-parameter laboratorial approach: mechanisms of toxicity and impairment of individual fitness. Biomarkers, 2012, 17, 275-285.	0.9	19
141	Toxic effects of pure anatoxin-a on biomarkers of rainbow trout, Oncorhynchus mykiss. Toxicon, 2013, 70, 162-169.	0.8	19
142	Use of atropine-treated Daphnia magna survival for detection of environmental contamination by acetylcholinesterase inhibitors. Ecotoxicology and Environmental Safety, 2003, 54, 43-46.	2.9	18
143	New formulation of paraquat with lysine acetylsalicylate with low mammalian toxicity and effective herbicidal activity. Pest Management Science, 2013, 69, 553-558.	1.7	18
144	AN IN SITU ASSAY WITH THE MICROALGA PHAEODACTYLUM TRICORNUTUM FOR SEDIMENT-OVERLYING WATER TOXICITY EVALUATIONS IN ESTUARIES. Environmental Toxicology and Chemistry, 2006, 25, 2272.	2.2	17

#	Article	IF	Citations
145	Factors Affecting Pisidium amnicum (MÃ¼ller, 1774; Bivalvia: Sphaeriidae) Distribution in the River Minho Estuary: Consequences for its Conservation. Estuaries and Coasts, 2008, 31, 1198-1207.	1.0	17
146	Biological Parameters Towards Polycyclic Aromatic Hydrocarbons Pollution: A Study with Dicentrarchus labrax L. Exposed to the Model Compound Benzo(a)pyrene. Water, Air, and Soil Pollution, 2012, 223, 4709-4722.	1.1	17
147	Differences in the macrozoobenthic fauna colonising empty bivalve shells before and after invasion by Corbicula fluminea. Marine and Freshwater Research, 2015, 66, 549.	0.7	17
148	Occurrence and seasonal variation of several endocrine disruptor compounds (pesticides,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Rivers (NE Atlantic Ocean coast). Science of the Total Environment, 2022, 838, 155814.	3.9	17
149	TOXICITY RANKING OF ESTUARINE SEDIMENTS ON THE BASIS OF SPARUS AURATA BIOMARKERS. Environmental Toxicology and Chemistry, 2007, 26, 444.	2.2	16
150	Alterations in gene expression levels provide early indicators of chemical stress during Xenopus laevis embryo development: A case study with perfluorooctane sulfonate (PFOS). Ecotoxicology and Environmental Safety, 2016, 127, 51-60.	2.9	16
151	Microplastics Pollution in the Marine Environment. , 2019, , 329-351.		16
152	Correlation between whole blood cholinesterase activity and cerebral cortex cholinesterase activity in rats treated with parathion. Chemosphere, 1998, 37, 1385-1393.	4.2	15
153	Ras gene in marine mussels: A molecular level response to petrochemical exposure. Marine Pollution Bulletin, 2008, 56, 633-640.	2.3	15
154	Global climate change and environmental contaminants: A SETAC call for research. Integrated Environmental Assessment and Management, 2010, 6, 197-198.	1.6	15
155	EROD activity and cytochrome P4501A induction in liver and gills of Senegal sole Solea senegalensis from a polluted Huelva Estuary (SW Spain). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 166, 134-144.	1.3	15
156	AN INTEGRATED APPROACH TO ASSESS WATER QUALITY AND ENVIRONMENTAL CONTAMINATION IN THE FLUVIAL-LAGOON SYSTEM OF THE PALIZADA RIVER, MEXICO. Environmental Toxicology and Chemistry, 2006, 25, 3024.	2.2	14
157	Growth and production of Pisidium amnicum in the freshwater tidal area of the River Minho estuary. Estuarine, Coastal and Shelf Science, 2008, 79, 467-474.	0.9	14
158	Long-term effects of lithium and lithium-microplastic mixtures on the model species Daphnia magna: Toxicological interactions and implications to â€˜One Healthâ€™. Science of the Total Environment, 2022, 838, 155934.	3.9	14
159	Acetylcholinesterase of Mytilus galloprovincialis LmK. Hemolymph: A Suitable Environmental Biomarker. Bulletin of Environmental Contamination and Toxicology, 2001, 67, 470-475.	1.3	13
160	Freshwater-saltwater interface and estuarine sediment in situ assays based on post-exposure feeding of chironomids and polychaetes. Estuaries and Coasts, 2005, 28, 314-319.	1.7	13
161	Transport and acclimation conditions for the use of an estuarine fish (Pomatoschistus microps) in ecotoxicity bioassays: Effects on enzymatic biomarkers. Chemosphere, 2008, 71, 1803-1808.	4.2	13
162	Blood Î´-ALAD, lead and cadmium concentrations in spur-thighed tortoises (Testudo graeca) from Southeastern Spain and Northern Africa. Ecotoxicology, 2010, 19, 670-677.	1.1	13

#	ARTICLE	IF	CITATIONS
163	Lysine acetylsalicylate increases the safety of a paraquat formulation to freshwater primary producers: A case study with the microalga Chlorella vulgaris. Aquatic Toxicology, 2014, 146, 137-143.	1.9	13
164	Toxicity of mercury and post-exposure recovery in Corbicula fluminea: Neurotoxicity, oxidative stress and oxygen consumption. Ecological Indicators, 2018, 91, 503-510.	2.6	13
165	Collection and transport of sentinel mussels in biomarker-based coastal pollution monitoring: Current flaws and reliable practices. Ecological Indicators, 2019, 103, 722-734.	2.6	13
166	Acetylcholinesterase of LmK. Hemolymph: A Suitable Environmental Biomarker. Bulletin of Environmental Contamination and Toxicology, 2001, 67, 0470-0475.	1.3	13
167	Development and Validation of an SPE-HPLC-FL Method for the Determination of Anatoxin-a in Water and Trout (Oncorhincus mykiss). Analytical Letters, 2011, 44, 1431-1441.	1.0	12
168	Polybrominated diphenyl ethers and their methoxylated congeners in Douro river estuary biota: Seasonal occurrence and risk assessment. Science of the Total Environment, 2021, 790, 147916.	3.9	12
169	Coastal systems under change: Tuning assessment and management tools. Estuarine, Coastal and Shelf Science, 2015, 167, 1-3.	0.9	11
170	Comparison of three shredders response to acute stress induced by eucalyptus leaf leachates and copper: single and combined exposure at two distinct temperatures. Annales De Limnologie, 2014, 50, 97-107.	0.6	10
171	Integrated multivariate approach of ecological and ecotoxicological parameters in coastal environmental monitoring studies. Ecological Indicators, 2018, 95, 1128-1142.	2.6	10
172	Influence of exposure scenario on pesticide toxicity in the midge Kiefferulus calligaster (Kieffer). Ecotoxicology and Environmental Safety, 2009, 72, 450-457.	2.9	8
173	Antioxidant defences and lipid peroxidation in wild White Storks, Ciconia ciconia, from Spain. Journal of Ornithology, 2013, 154, 971-976.	0.5	8
174	Influence of Long-Term Exposure to Background Pollution on the Response and Recovery of the Invasive Species Corbicula fluminea to Ammonia Sub-lethal Stress: a Multi-marker Approach with Field Estuarine Populations. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	8
175	Assessment of urban groundwater: towards integrated hydrogeological and effects-based monitoring. Sustainable Water Resources Management, 2019, 5, 217-233.	1.0	8
176	METIER (Modular Ecotoxicity Tests Incorporating Ecological Relevance) for difficult substancesâ€"III. Effects of medium renewal and use of a carrier on the bioavailability of parathion. Environmental Pollution, 1996, 92, 97-99.	3.7	7
177	Localization and Properties of Cholinesterases in the Common Prawn (Palaemon serratus): a Kinetic-Histochemical Study. Biological Bulletin, 2010, 218, 1-5.	0.7	6
178	Sorption of okadaic acid lipophilic toxin onto plastics in seawater. Marine Pollution Bulletin, 2020, 157, 111322.	2.3	6
179	Sustainable Fishing and Aquaculture Activities in the Atlantic Coast of the Portuguese North Region: Multi-Stakeholder Views as a Tool for Maritime Spatial Planning. Sustainability, 2021, 13, 663.	1.6	5
180	Lack of Evidence for Metallothionein Role in Tolerance to Copper by Natural Populations of Daphnia longispina. Bulletin of Environmental Contamination and Toxicology, 2005, 74, 761-768.	1.3	4

#	ARTICLE	IF	CITATIONS
181	Quantitative concentration-toxicity relationship for the injury of rat thymocytes by chemical compounds used in inter-laboratory toxicity ring-tests. Toxicology in Vitro, 1994, 8, 831-834.	1.1	3
182	Can the Activities of Acetylcholinesterase and Glutathione S-Transferases of Crangon crangon (L.) be Used as Biomarkers of Fuel Oil Exposure?. Water, Air, and Soil Pollution, 2010, 208, 317-322.	1.1	3
183	The genetic diversity of two invasive sympatric bivalves (Corbicula fluminea and Dreissena) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 225-229.	0.8	3
184	Effects of Nanoplastics, Lithium, and Their Mixtures on Corbicula fluminea: Preliminary Findings. Advances in Science, Technology and Innovation, 2021, , 279-282.	0.2	3
185	Biomonitoring Studies Performed with European Eel Populations from the Estuaries of Minho, Lima and Douro Rivers (NW Portugal). , 2008, , 390-401.		2
186	Insights on Ecotoxicological Effects of Microplastics in Marine Ecosystems: The EPHEMARE Project. Springer Water, 2020, , 12-19.	0.2	0