Patricia Pereira

List of Publications by Year in descending order

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67 papers	2,155 citations	172457 29 h-index	243625 44 g-index
67 all docs	67 docs citations	67 times ranked	2803 citing authors

#	Article	IF	Citations
1	Insights into the mechanisms underlying mercury-induced oxidative stress in gills of wild fish (Liza) Tj ETQq1 1 0.784314 rgBT /Overlock Environment, 2016, 548-549, 13-24.	8.0	126
2	Effects of fire temperature on the physical and chemical characteristics of the ash from two plots of cork oak (Quercus suber). Land Degradation and Development, 2009, 20, 589-608.	3.9	114
3	Unravelling the mechanisms of mercury hepatotoxicity in wild fish (Liza aurata) through a triad approach: bioaccumulation, metabolomic profiles and oxidative stress. Metallomics, 2015, 7, 1352-1363.	2.4	108
4	Major and trace elements in soils and ashes of eucalypt and pine forest plantations in Portugal following a wildfire. Science of the Total Environment, 2016, 572, 1363-1376.	8.0	104
5	Modelling the Impacts of Wildfire on Ash Thickness in a Shortâ€Term Period. Land Degradation and Development, 2015, 26, 180-192.	3.9	94
6	Advances in understanding the mechanisms of mercury toxicity inÂwild golden grey mullet (Liza) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	7.5	80
7	Combined use of environmental data and biomarkers in fish (Liza aurata) inhabiting a eutrophic and metal-contaminated coastal system â€“ Gills reflect environmental contamination. Marine Environmental Research, 2010, 69, 53-62.	2.5	70
8	Major factors influencing the elemental composition of surface estuarine sediments: The case of 15 estuaries in Portugal. Marine Pollution Bulletin, 2014, 84, 135-146.	5.0	65
9	Factors structuring temporal and spatial dynamics of macrobenthic communities in a eutrophic coastal lagoon (Ã“bidos lagoon, Portugal). Marine Environmental Research, 2011, 71, 97-110.	2.5	61
10	How functional traits of estuarine macrobenthic assemblages respond to metal contamination?. Ecological Indicators, 2016, 71, 645-659.	6.3	59
11	Biochemical responses of the shore crab (Carcinus maenas) in a eutrophic and metal-contaminated coastal system (Ã“bidos lagoon, Portugal). Ecotoxicology and Environmental Safety, 2009, 72, 1471-1480.	6.0	57
12	A phytoplankton tool for water quality assessment in semi-enclosed coastal lagoons: Open vs closed regimes. Estuarine, Coastal and Shelf Science, 2012, 110, 134-146.	2.1	54
13	Caenorhabditis elegans as a tool for environmental risk assessment: emerging and promising applications for a â€œnobelized wormâ€. Critical Reviews in Toxicology, 2019, 49, 411-429.	3.9	53
14	Effects of wildfire on mercury mobilisation in eucalypt and pine forests. Catena, 2015, 131, 149-159.	5.0	52
15	Inorganic mercury accumulation in brain following waterborne exposure elicits a deficit on the number of brain cells and impairs swimming behavior in fish (white seabreamâ€”Diplodus sargus). Aquatic Toxicology, 2016, 170, 400-412.	4.0	50
16	First record of bioaccumulation and bioconcentration of metals in Scleractinian corals and their algal symbionts from Kharg and Lark coral reefs (Persian Gulf, Iran). Science of the Total Environment, 2018, 640-641, 1500-1511.	8.0	50
17	Effect of tidal flooding on metal distribution in pore waters of marsh sediments and its transport to water column (Tagus estuary, Portugal). Marine Environmental Research, 2010, 70, 358-367.	2.5	44
18	Spatial and seasonal variation of water quality in an impacted coastal lagoon (Ã“bidos Lagoon,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.7	42

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19	Off-site impacts of wildfires on aquatic systems â€" Biomarker responses of the mosquitofish Gambusia holbrooki. Science of the Total Environment, 2017, 581-582, 305-313.	8.0	40
20	Decomposition of belowground litter and metal dynamics in salt marshes (Tagus Estuary, Portugal). Science of the Total Environment, 2007, 380, 93-101.	8.0	38
21	Metal accumulation and oxidative stress in Ulva sp. substantiated by response integration into a general stress index. Aquatic Toxicology, 2009, 91, 336-345.	4.0	38
22	Metal concentrations in digestive gland and mantle of Sepia officinalis from two coastal lagoons of Portugal. Science of the Total Environment, 2009, 407, 1080-1088.	8.0	36
23	Forest fires as potential triggers for production and mobilization of polycyclic aromatic hydrocarbons to the terrestrial ecosystem. Land Degradation and Development, 2019, 30, 2360-2370.	3.9	36
24	A multidimensional concept for mercury neuronal and sensory toxicity in fish - From toxicokinetics and biochemistry to morphometry and behavior. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129298.	2.4	36
25	Fe, Zn, Cu and Cd concentrations in the digestive gland and muscle tissues of Octopus vulgaris and Sepia officinalis from two coastal areas in Portugal. Ciencias Marinas, 2005, 31, 243-251.	0.4	34
26	Metal and nutrient dynamics in a eutrophic coastal lagoon (Ã“bidos, Portugal): the importance of observations at different time scales. Environmental Monitoring and Assessment, 2009, 158, 405-418.	2.7	33
27	Fish eyes and brain as primary targets for mercury accumulation â€" A new insight on environmental risk assessment. Science of the Total Environment, 2014, 494-495, 290-298.	8.0	33
28	Propensity to metal accumulation and oxidative stress responses of two benthic species (Cerastoderma edule and Nephtys hombergii): are tolerance processes limiting their responsiveness?. Ecotoxicology, 2016, 25, 664-676.	2.4	32
29	Biotransformation modulation and genotoxicity in white seabream upon exposure to paralytic shellfish toxins produced by Gymnodinium catenatum. Aquatic Toxicology, 2012, 106-107, 42-47.	4.0	29
30	The relevance of temporal and organ specific factors on metals accumulation and biochemical effects in feral fish (Liza aurata) under a moderate contamination scenario. Ecotoxicology and Environmental Safety, 2010, 73, 805-816.	6.0	28
31	Temporal variability of biodiversity patterns and trophic structure of estuarine macrobenthic assemblages along a gradient of metal contamination. Estuarine, Coastal and Shelf Science, 2015, 167, 286-299.	2.1	28
32	A new page on the road book of inorganic mercury in fish body â€" tissue distribution and elimination following waterborne exposure and post-exposure periods. Metallomics, 2015, 7, 525-535.	2.4	27
33	Seasonal Variation of Surface Sediments Composition in Mondego River Estuary. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 317-329.	1.7	22
34	Unveiling the neurotoxicity of methylmercury in fish (Diplodus sargus) through a regional morphometric analysis of brain and swimming behavior assessment. Aquatic Toxicology, 2016, 180, 320-333.	4.0	21
35	Is metal contamination responsible for increasing aneuploidy levels in the Manila clam Ruditapes philippinarum?. Science of the Total Environment, 2017, 577, 340-348.	8.0	20
36	Oxidative stress profiles in brain point out a higher susceptibility of fish to waterborne divalent mercury compared to dietary organic mercury. Marine Pollution Bulletin, 2017, 122, 110-121.	5.0	20

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37	Environmental hazard assessment of contaminated soils in Antarctica: Using a structured tier 1 approach to inform decision-making. Science of the Total Environment, 2017, 574, 443-454.	8.0	20
38	Metal bioaccumulation and oxidative stress profiles in Ruditapes philippinarum â€“ insights towards its suitability as bioindicator of estuarine metal contamination. Ecological Indicators, 2018, 95, 1087-1099.	6.3	20
39	Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island). Marine Environmental Research, 2018, 140, 412-421.	2.5	19
40	Mild Effects of Sunscreen Agents on a Marine Flatfish: Oxidative Stress, Energetic Profiles, Neurotoxicity and Behaviour in Response to Titanium Dioxide Nanoparticles and Oxybenzone. International Journal of Molecular Sciences, 2021, 22, 1567.	4.1	19
41	Relations between total mercury, methylmercury and selenium in five tissues of Sepia officinalis captured in the south Portuguese coast. Chemosphere, 2014, 108, 190-196.	8.2	18
42	Immobilised Phaeodactylum tricornutum as biomonitor of trace element availability in the water column during dredging. Environmental Science and Pollution Research, 2014, 21, 3572-3581.	5.3	17
43	Bioaccumulation and biochemical markers in feral crab (Carcinus maenas) exposed to moderate environmental contaminationâ€”The impact of nonâ€contaminationâ€related variables. Environmental Toxicology, 2011, 26, 524-540.	4.0	16
44	Winterâ€“summer nutrient composition linkage to algae-produced toxins in shellfish at a eutrophic coastal lagoon (Ã“bidos lagoon, Portugal). Estuarine, Coastal and Shelf Science, 2012, 112, 61-72.	2.1	16
45	Decrease of Zn, Cd and Pb concentrations in marine fish species over a decade as response to reduction of anthropogenic inputs: The example of Tagus estuary. Marine Pollution Bulletin, 2011, 62, 2854-2858.	5.0	14
46	Optimizing alginate beads for the immobilisation of Phaeodactylum tricornutum in estuarine waters. Marine Environmental Research, 2013, 87-88, 37-43.	2.5	14
47	Assessing the neurotoxicity of the carbamate methomyl in Caenorhabditis elegans with a multi-level approach. Toxicology, 2021, 451, 152684.	4.2	14
48	Daily availability of nutrients and metals in a eutrophic meso-tidal coastal lagoon (Ã“bidos lagoon,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.0	13
49	Environmental quality assessment combining sediment metal levels, biomarkers and macrobenthic communities: application to the Ã“bidos coastal lagoon (Portugal). Environmental Monitoring and Assessment, 2012, 184, 7141-7151.	2.7	13
50	Looking at the aquatic contamination through fish eyes â€“ A faithful picture based on metals burden. Marine Pollution Bulletin, 2013, 77, 375-379.	5.0	13
51	Insights into neurosensory toxicity of mercury in fish eyes stemming from tissue burdens, oxidative stress and synaptic transmission profiles. Marine Environmental Research, 2016, 113, 70-79.	2.5	13
52	Organ-Specific Metabolome Deciphering Cell Pathways to Cope with Mercury in Wild Fish (Golden) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	11
53	EPR detection of paramagnetic chromium in liver of fish (Anguilla anguilla) treated with dichromate(VI) and associated oxidative stress responsesâ€”Contribution to elucidation of toxicity mechanisms. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 132-140.	2.6	10
54	Hydroxybenzoate paralytic shellfish toxins induce transient GST activity depletion and chromosomal damage in white seabream (Diplodus sargus). Marine Environmental Research, 2012, 79, 63-69.	2.5	8

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55	The sub-cellular fate of mercury in the liver of wild mullets (Liza aurata) â€“ Contribution to the understanding of metal-induced cellular toxicity. Marine Pollution Bulletin, 2015, 95, 412-418.	5.0	8
56	Stakeholder involvement for management of the coastal zone. Integrated Environmental Assessment and Management, 2016, 12, 701-710.	2.9	8
57	Brain morphometric profiles and their seasonal modulation in fish (Liza aurata) inhabiting a mercury contaminated estuary. Environmental Pollution, 2018, 237, 318-328.	7.5	7
58	Metal accumulation and oxidative stress responses in Ulva spp. in the presence of nocturnal pulses of metals from sediment: A field transplantation experiment under eutrophic conditions. Marine Environmental Research, 2014, 94, 56-64.	2.5	6
59	Macroalgae-enriched diet protects gilthead seabream (Sparus aurata) against erythrocyte population instability and chromosomal damage induced by aqua-medicines. Journal of Applied Phycology, 2020, 32, 1477-1493.	2.8	6
60	Overview of Chemotaxis Behavior Assays in Caenorhabditis elegans. Current Protocols, 2021, 1, e120.	2.9	6
61	Effects of metal contamination on the gene expression profile of two benthic species: Cerastoderma edule and Ruditapes philippinarum. Marine Pollution Bulletin, 2017, 125, 157-165.	5.0	4
62	Metals(loids) targeting fish eyes and brain in a contaminated estuary - Uncovering neurosensory (un)susceptibility through bioaccumulation, antioxidant and morphometric profiles. Marine Environmental Research, 2018, 140, 403-411.	2.5	3
63	Measurement of the Effects of Metals on Taxisâ€toâ€Food Behavior in Caenorhabditis elegans. Current Protocols, 2021, 1, e131.	2.9	2
64	Environmental chemical data and Carcinus maenas biochemical responses in a coastal eutrophic ecosystem (Ã“bidos Lagoon, Portugal). Ciencias Marinas, 2008, 34, 317-327.	0.4	2
65	Improved efficiency of an herbicide combining bentazone and terbuthylazine â€“ can weeds be controlled with better environmental safety?. Environmental Science Advances, 0, , .	2.7	1
66	Micro-scale elemental partition in brain structures of the fishLiza aurata. Microscopy and Microanalysis, 2015, 21, 4-5.	0.4	0
67	Elemental mapping inventory of the fish Liza aurata brain: a biomarker of metal pollution vulnerability. Metallomics, 2015, 7, 277-282.	2.4	0