

Vasco Branco

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,425
citations

279798

23
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

3311
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of glutathione as a central aspect of PAH toxicity in liver cells: A comparison between phenanthrene, Benzo[b]Fluoranthene and their mixtures. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111637.	6.0	14
2	Neurotoxicity of mercury: An old issue with contemporary significance. <i>Advances in Neurotoxicology</i> , 2021, 5, 239-262.	1.9	16
3	Marine Fish Primary Hepatocyte Isolation and Culture: New Insights to Enzymatic Dissociation Pancreatin Digestion. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1380.	2.6	7
4	Glutaredoxin: Discovery, redox defense and much more. <i>Redox Biology</i> , 2021, 43, 101975.	9.0	59
5	A pilot study to evaluate the serum Alpha-1 acid glycoprotein response in cats suffering from feline chronic gingivostomatitis. <i>BMC Veterinary Research</i> , 2020, 16, 390.	1.9	4
6	Thioredoxin, Glutathione and Related Molecules in Tumors of the Nervous System. <i>Current Medicinal Chemistry</i> , 2020, 27, 1878-1900.	2.4	29
7	Risk assessment of methylmercury in pregnant women and newborns in the island of Madeira (Portugal) using exposure biomarkers and food-frequency questionnaires. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019, 82, 833-844.	2.3	9
8	In Vitro Assessment of the Efficacy of a Macrocyclic Chelator in Reversing Methylmercury Toxicity. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4817.	2.6	2
9	The thioredoxin system as a target for mercury compounds. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129255.	2.4	39
10	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> , 2018, 195, 49-57.	4.0	471
11	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> , 2018, 8, 15655.	3.3	164
12	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> , 2018, 164, 155-163.	6.0	151
13	Redox Signaling Mediated by Thioredoxin and Glutathione Systems in the Central Nervous System. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 989-1010.	5.4	233
14	Impaired cross-talk between the thioredoxin and glutathione systems is related to ASK-1 mediated apoptosis in neuronal cells exposed to mercury. <i>Redox Biology</i> , 2017, 13, 278-287.	9.0	72
15	Biomarkers of mercury toxicity: Past, present, and future trends. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 119-154.	6.5	147
16	Diphenyl diselenide protects against methylmercury-induced inhibition of thioredoxin reductase and glutathione peroxidase in human neuroblastoma cells: a comparison with ebselen. <i>Journal of Applied Toxicology</i> , 2017, 37, 1073-1081.	2.8	29
17	Toxicological effects of thiomersal and ethylmercury: Inhibition of the thioredoxin system and NADP+-dependent dehydrogenases of the pentose phosphate pathway. <i>Toxicology and Applied Pharmacology</i> , 2015, 286, 216-223.	2.8	30
18	Mitochondrial thioredoxin reductase inhibition, selenium status, and Nrf-2 activation are determinant factors modulating the toxicity of mercury compounds. <i>Free Radical Biology and Medicine</i> , 2014, 73, 95-105.	2.9	85

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19	Mitochondrial thioredoxin system as a primary target for mercury compounds. <i>Toxicology Letters</i> , 2014, 229, S57-S58.	0.8	5
20	Assessment of Total and Organic Mercury Levels in Blue Sharks (<i>Prionace glauca</i>) from the South and Southeastern Brazilian Coast. <i>Biological Trace Element Research</i> , 2014, 159, 128-134.	3.5	26
21	Tracing anthropogenic Hg and Pb input using stable Hg and Pb isotope ratios in sediments of the central Portuguese Margin. <i>Chemical Geology</i> , 2013, 336, 62-71.	3.3	77
22	Biomarkers of Adverse Response to Mercury: Histopathology versus Thioredoxin Reductase Activity. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-9.	3.0	26
23	Biogeochemistry of mercury and methylmercury in sediment cores from Sundarban mangrove wetland, India—a UNESCO World Heritage Site. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 5239-5254.	2.7	19
24	Mercury and selenium interaction in vivo: Effects on thioredoxin reductase and glutathione peroxidase. <i>Free Radical Biology and Medicine</i> , 2012, 52, 781-793.	2.9	147
25	Inhibition of the thioredoxin system in the brain and liver of zebra-seabreams exposed to waterborne methylmercury. <i>Toxicology and Applied Pharmacology</i> , 2011, 251, 95-103.	2.8	81
26	Origin and transport of trace metals deposited in the canyons off Lisboa and adjacent slopes (Portuguese Margin) in the last century. <i>Marine Geology</i> , 2011, 282, 169-177.	2.1	22
27	Mercury in sediments and vegetation in a moderately contaminated salt marsh (Tagus Estuary, Portugal). <i>Environmental Monitoring and Assessment</i> , 2011, 159, 107-114.	2.1	40
28	Relations between mercury, methyl-mercury and selenium in tissues of <i>Octopus vulgaris</i> from the Portuguese Coast. <i>Environmental Pollution</i> , 2010, 158, 2094-2100.	7.5	36
29	Temporal clustering of metals in a short sediment core of the Cascais Canyon (Portuguese Margin). <i>Scientia Marina</i> , 2010, 74, 89-98.	0.6	0
30	Environmental levels of Linear alkylbenzene Sulfonates (LAS) in sediments from the Tagus estuary (Portugal): environmental implications. <i>Environmental Monitoring and Assessment</i> , 2009, 149, 151-161.	2.7	13
31	Using Factor Analysis to Characterise Historical Trends of Trace Metal Contamination in a Sediment Core from the Tagus Prodelta, Portugal. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 277-287.	2.4	21
32	Mercury enrichments in core sediments in Hugliá€“Matlaá€“Bidyadhari estuarine complex, north-eastern part of the Bay of Bengal and their ecotoxicological significance. <i>Environmental Geology</i> , 2009, 57, 1125.	1.2	22
33	Sedimentary record of anthropogenic metal inputs in the Tagus prodelta (Portugal). <i>Continental Shelf Research</i> , 2009, 29, 381-392.	1.8	21
34	Is <i>Arenicola marina</i> a suitable test organism to evaluate the bioaccumulation potential of Hg, PAHs and PCBs from dredged sediments?. <i>Chemosphere</i> , 2008, 70, 1756-1765.	8.2	11
35	Seasonal variation of monomethylmercury concentrations in surface sediments of the Tagus Estuary (Portugal). <i>Environmental Pollution</i> , 2007, 148, 380-383.	7.5	59
36	Mercury and selenium in blue shark (<i>Prionace glauca</i> , L. 1758) and swordfish (<i>Xiphias gladius</i> , L. 1758) from two areas of the Atlantic Ocean. <i>Environmental Pollution</i> , 2007, 150, 373-380.	7.5	145

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37	Distribution of Mercury and Monomethylmercury in Sediments of Vigo Ria, NW Iberian Peninsula. <i>Water, Air, and Soil Pollution</i> , 2007, 182, 21-29.	2.4	31
38	Total and organic mercury concentrations in muscle tissue of the blue shark (<i>Prionace glauca</i> L.1758) from the Northeast Atlantic. <i>Marine Pollution Bulletin</i> , 2004, 49, 871-874.	5.0	51
39	Thioredoxin Reductase Inhibitors as Potential Antitumors: Mercury Compounds Efficacy in Glioma Cells. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	3.5	5