

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
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302126

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docs citations

45
times ranked

3311
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Seasonal variation of monomethylmercury concentrations in surface sediments of the Tagus Estuary (Portugal). <i>Environmental Pollution</i> , 2007, 148, 380-383. | 7.5 | 59 |
| 13 | Glutaredoxin: Discovery, redox defense and much more. <i>Redox Biology</i> , 2021, 43, 101975. | 9.0 | 59 |
| 14 | 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 |
| 15 | Mercury in sediments and vegetation in a moderately contaminated salt marsh (Tagus Estuary,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 6.1 40 | | |
| 16 | The thioredoxin system as a target for mercury compounds. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 129255. | 2.4 | 39 |
| 17 | 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 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Thioredoxin, Glutathione and Related Molecules in Tumors of the Nervous System. <i>Current Medicinal Chemistry</i> , 2020, 27, 1878-1900. | 2.4 | 29 |
| 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 | 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 |
| 24 | Mercury enrichments in core sediments in Hugliâ€“Matlaâ€“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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Sedimentary record of anthropogenic metal inputs in the Tagus prodelta (Portugal). <i>Continental Shelf Research</i> , 2009, 29, 381-392. | 1.8 | 21 |
| 28 | Biogeochemistry of mercury and methylmercury in sediment cores from Sundarban mangrove wetland, Indiaâ€“a UNESCO World Heritage Site. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 5239-5254. | 2.7 | 19 |
| 29 | Neurotoxicity of mercury: An old issue with contemporary significance. <i>Advances in Neurotoxicology</i> , 2021, 5, 239-262. | 1.9 | 16 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Mitochondrial thioredoxin system as a primary target for mercury compounds. <i>Toxicology Letters</i> , 2014, 229, S57-S58. | 0.8 | 5 |
| 36 | Thioredoxin Reductase Inhibitors as Potential Antitumors: Mercury Compounds Efficacy in Glioma Cells. <i>Frontiers in Molecular Biosciences</i> , 0, 9, . | 3.5 | 5 |

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|----|---|-----|-----------|
| 37 | A pilot study to evaluate the serum Alpha-1 acid glycoprotein response in cats suffering from feline chronic gingivostomatitis. BMC Veterinary Research, 2020, 16, 390. | 1.9 | 4 |
| 38 | In Vitro Assessment of the Efficacy of a Macrocyclic Chelator in Reversing Methylmercury Toxicity. International Journal of Environmental Research and Public Health, 2019, 16, 4817. | 2.6 | 2 |
| 39 | Temporal clustering of metals in a short sediment core of the Cascais Canyon (Portuguese Margin). Scientia Marina, 2010, 74, 89-98. | 0.6 | 0 |