Cristina Carvalho

List of Publications by Year
in descending order

42 papers	2,975 citations	257357 24 h-index	254106 43 g-index
51 all docs	51 docs citations	51 times ranked	3731 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. Ecotoxicology and Environmental Safety, 2021, 208, 111637.	2.9	14
2	Neurotoxicity of mercury: An old issue with contemporary significance. Advances in Neurotoxicology, 2021, 5, 239-262.	0.7	16
3	Thioredoxin, Glutathione and Related Molecules in Tumors of the Nervous System. Current Medicinal Chemistry, 2020, 27, 1878-1900.	1.2	29
4	Risk assessment of methylmercury in pregnant women and newborns in the island of Madeira (Portugal) using exposure biomarkers and food-frequency questionnaires. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 833-844.	1.1	9
5	The biochemistry of mercury toxicity. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129412.	1.1	3
6	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.	1.2	2
7	The thioredoxin system as a target for mercury compounds. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129255.	1.1	39
8	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
9	Evidence of Mercury Methylation and Demethylation by the Estuarine Microbial Communities Obtained in Stable Hg Isotope Studies. International Journal of Environmental Research and Public Health, 2018, 15, 2141.	1.2	23
10	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
11	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
12	Redox Signaling Mediated by Thioredoxin and Glutathione Systems in the Central Nervous System. Antioxidants and Redox Signaling, 2017, 27, 989-1010.	2.5	233
13	Impaired cross-talk between the thioredoxin and glutathione systems is related to ASK-1 mediated apoptosis in neuronal cells exposed to mercury. Redox Biology, 2017, 13, 278-287.	3.9	72
14	Biomarkers of mercury toxicity: Past, present, and future trends. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2017, 20, 119-154.	2.9	147
15	Diphenyl diselenide protects against methylmercuryâ€induced inhibition of thioredoxin reductase and glutathione peroxidase in human neuroblastoma cells: a comparison with ebselen. Journal of Applied Toxicology, 2017, 37, 1073-1081.	1.4	29
16	Optimization of microbial detoxification for an aquatic mercury-contaminated environment. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 788-796.	1.1	3
17	Aerobic Mercury-resistant bacteria alter Mercury speciation and retention in the Tagus Estuary (Portugal). Ecotoxicology and Environmental Safety, 2016, 124, 60-67.	2.9	31
18	Toxicological effects of thiomersal and ethylmercury: Inhibition of the thioredoxin system and NADP+-dependent dehydrogenases of the pentose phosphate pathway. Toxicology and Applied Pharmacology, 2015, 286, 216-223.	1.3	30

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19	Isolation and Characterization of Mercury-Resistant Bacteria From Sediments of Tagus Estuary (Portugal): Implications for Environmental and Human Health Risk Assessment. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 155-168.	1.1	23
20	Mercury-Resistant Bacteria From Salt Marsh of Tagus Estuary: The Influence of Plants Presence and Mercury Contamination Levels. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 959-971.	1.1	24
21	Children's Health Risk and Benefits of Fish Consumption: Risk Indices Based on a Diet Diary Follow-Up of Two Weeks. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 103-114.	1.1	23
22	Mitochondrial thioredoxin reductase inhibition, selenium status, and Nrf-2 activation are determinant factors modulating the toxicity of mercury compounds. Free Radical Biology and Medicine, 2014, 73, 95-105.	1.3	85
23	Mitochondrial thioredoxin system as a primary target for mercury compounds. Toxicology Letters, 2014, 229, S57-S58.	0.4	5
24	Exposure Assessment of Pregnant Portuguese Women to Methylmercury Through the Ingestion of Fish: Cross-Sectional Survey and Biomarker Validation. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 133-142.	1.1	26
25	Biomarkers of Adverse Response to Mercury: Histopathology versus Thioredoxin Reductase Activity. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-9.	3.0	26
26	Mercury and selenium interaction in vivo: Effects on thioredoxin reductase and glutathione peroxidase. Free Radical Biology and Medicine, 2012, 52, 781-793.	1.3	147
27	Inhibition of the thioredoxin system in the brain and liver of zebra-seabreams exposed to waterborne methylmercury. Toxicology and Applied Pharmacology, 2011, 251, 95-103.	1.3	81
28	Effects of selenite and chelating agents on mammalian thioredoxin reductase inhibited by mercury: implications for treatment of mercury poisoning. FASEB Journal, 2011, 25, 370-381.	0.2	104
29	High-Fish Consumption and Risk Prevention: Assessment of Exposure to Methylmercury in Portugal. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 1279-1288.	1.1	22
30	Inhibition of the Human Thioredoxin System. Journal of Biological Chemistry, 2008, 283, 11913-11923.	1.6	406
31	Biomarkers of exposure and effect as indicators of the interference of selenomethionine on methylmercury toxicity. Toxicology Letters, 2007, 169, 121-128.	0.4	37
32	Quantification and Speciation of Mercury and Selenium in Fish Samples of High Consumption in Spain and Portugal. Biological Trace Element Research, 2005, 103, 017-036.	1.9	94
33	Enantioselective properties of Fusarium solani pisi cutinase on transesterification of acyclic diols: activity and stability evaluation. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 613-622.	1.8	14
34	Performance Of A Membrane Bioreactor For Enzymatic Transesterification: Characterization And Comparison With A Batch Stirred Tank Reactor. Biocatalysis and Biotransformation, 2000, 18, 31-57.	1.1	8
35	Reverse micelles as reaction media for lipases. Biochimie, 2000, 82, 1063-1085.	1.3	209
36	An Integrated Model for Enzymatic Reactions in Reverse Micellar Systems:Â Nominal and Effective Substrate Concentrations. Langmuir, 2000, 16, 3082-3092.	1.6	22

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37	Kinetics of cutinase catalyzed transesterification in AOT reversed micelles: modeling of a batch stirred tank reactor. Journal of Biotechnology, 2000, 81, 1-13.	1.9	15
38	Cutinase stability in AOT reversed micelles: system optimization using the factorial design methodology. Enzyme and Microbial Technology, 1999, 24, 569-576.	1.6	40
39	Title is missing!. Biotechnology Letters, 1999, 21, 673-681.	1.1	8
40	Kinetics and modelling of transesterification reactions catalysed by cutinase in AOT reversed micelles. Journal of Molecular Catalysis B: Enzymatic, 1998, 5, 361-365.	1.8	10
41	Application of factorial design to the study of transesterification reactions using cutinase in AOT-reversed micelles. Enzyme and Microbial Technology, 1997, 21, 117-123.	1.6	69
42	Thioredoxin Reductase Inhibitors as Potential Antitumors: Mercury Compounds Efficacy in Glioma Cells. Frontiers in Molecular Biosciences, 0, 9, .	1.6	5