

Zoyne Pedrero Zayas

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,219
citations

361413

20
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1684
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel approaches for selenium speciation in foodstuffs and biological specimens: A review. <i>Analytica Chimica Acta</i> , 2009, 634, 135-152.	5.4	239
2	Protective Effect of Selenium in Broccoli (<i>Brassica oleracea</i>) Plants Subjected to Cadmium Exposure. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 266-271.	5.2	118
3	Selenium Species Bioaccessibility in Enriched Radish (<i>Raphanus sativus</i>): A Potential Dietary Source of Selenium. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2412-2417.	5.2	110
4	Identical Hg Isotope Mass Dependent Fractionation Signature during Methylation by Sulfate-Reducing Bacteria in Sulfate and Sulfate-Free Environment. <i>Environmental Science & Technology</i> , 2015, 49, 1365-1373.	10.0	60
5	Specific Pathways of Dietary Methylmercury and Inorganic Mercury Determined by Mercury Speciation and Isotopic Composition in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2015, 49, 12984-12993.	10.0	60
6	Assessment of mercury speciation in feathers using species-specific isotope dilution analysis. <i>Talanta</i> , 2017, 174, 100-110.	5.5	53
7	Mercury isotopes of key tissues document mercury metabolic processes in seabirds. <i>Chemosphere</i> , 2021, 263, 127777.	8.2	53
8	Selenium transformation studies during Broccoli (<i>Brassica oleracea</i>) growing process by liquid chromatography-inductively coupled plasma mass spectrometry (LC-ICP-MS). <i>Analytica Chimica Acta</i> , 2007, 596, 251-256.	5.4	49
9	Specific Effects of Dietary Methylmercury and Inorganic Mercury in Zebrafish (<i>Danio rerio</i>) Determined by Genetic, Histological, and Metallothionein Responses. <i>Environmental Science & Technology</i> , 2015, 49, 14560-14569.	10.0	47
10	Hemoglobin as a major binding protein for methylmercury in white-sided dolphin liver. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1121-1129.	3.7	43
11	Seabird Tissues As Efficient Biomonitoring Tools for Hg Isotopic Investigations: Implications of Using Blood and Feathers from Chicks and Adults. <i>Environmental Science & Technology</i> , 2018, 52, 4227-4234.	10.0	42
12	Identification of selenium species in selenium-enriched <i>Lens esculenta</i> plants by using two-dimensional liquid chromatography-inductively coupled plasma mass spectrometry and [⁷⁷ Se]selenomethionine selenium oxide spikes. <i>Journal of Chromatography A</i> , 2007, 1139, 247-253.	3.7	41
13	Identification of sources and bioaccumulation pathways of MeHg in subantarctic penguins: a stable isotopic investigation. <i>Scientific Reports</i> , 2018, 8, 8865.	3.3	34
14	Enrichment of African catfish with functional selenium originating from garlic. <i>Aquaculture Research</i> , 2008, 39, 850-860.	1.8	33
15	Transformation, Localization, and Biomolecular Binding of Hg Species at Subcellular Level in Methylating and Nonmethylating Sulfate-Reducing Bacteria. <i>Environmental Science & Technology</i> , 2012, 46, 11744-11751.	10.0	33
16	Screening of selenium containing proteins in the Tris-buffer soluble fraction of African catfish (<i>Clarias gariepinus</i>) fillets by laser ablation-ICP-MS after SDS-PAGE and electroblotting onto membranes. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 775.	3.0	30
17	Application of species-specific isotope dilution analysis to the correction for selenomethionine oxidation in Se-enriched yeast sample extracts during storage. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1061.	3.0	28
18	Investigation of Hg species binding biomolecules in dolphin liver combining GC and LC-ICP-MS with isotopic tracers. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 187-194.	3.0	24

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19	A "seabird-eye" on mercury stable isotopes and cycling in the Southern Ocean. <i>Science of the Total Environment</i> , 2020, 742, 140499.	8.0	24
20	Selenium speciation in different organs of African catfish (<i>Clarias gariepinus</i>) enriched through a selenium-enriched garlic based diet. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 116-125.	3.0	22
21	Assessment of Hg contamination by a Chlor-Alkali Plant in riverine and coastal sites combining Hg speciation and isotopic signature (Sagua la Grande River, Cuba). <i>Journal of Hazardous Materials</i> , 2019, 371, 558-565.	12.4	20
22	First Time Identification of Selenoneine in Seabirds and Its Potential Role in Mercury Detoxification. <i>Environmental Science & Technology</i> , 2022, 56, 3288-3298.	10.0	17
23	Species-specific isotope tracking of mercury uptake and transformations by pico-nanoplankton in an eutrophic lake. <i>Environmental Pollution</i> , 2021, 288, 117771.	7.5	11
24	New insights into the biomineralization of mercury selenide nanoparticles through stable isotope analysis in giant petrel tissues. <i>Journal of Hazardous Materials</i> , 2022, 425, 127922.	12.4	11
25	Pushing back the frontiers of mercury speciation using a combination of biomolecular and isotopic signatures: challenge and perspectives. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2641-2648.	3.7	8
26	Determination of the Intracellular Complexation of Inorganic and Methylmercury in Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Environmental Science & Technology</i> , 2021, 55, 13971-13979.	10.0	7
27	Levels of arsenic, mercury and selenium in <i>Clarias gariepinus</i> from Sagua la Grande River, Cuba. <i>Annales De Limnologie</i> , 2013, 49, 113-119.	0.6	1
28	Reply to the comment on "New insights into the biomineralization of mercury selenide nanoparticles through stable isotope analysis in giant petrel tissues" by A. Manceau, <i>J. Hazard. Mater.</i> 425 (2021) 127922. doi: 10.1016/j.jhazmat.2021.127922. <i>Journal of Hazardous Materials</i> , 2022, 431, 128582.	12.4	1