

# Zoyne Pedrero Zayas

## List of Publications by Year in descending order

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28  
papers

1,219  
citations

361413

20  
h-index

501196

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all docs

28  
docs citations

28  
times ranked

1684  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	First Time Identification of Selenoneine in Seabirds and Its Potential Role in Mercury Detoxification. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3288-3298.	10.0	17
3	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, J. Hazard. Mater. 425 (2021) 127922. doi: 10.1016/j.jhazmat.2021.127922. <i>Journal of Hazardous Materials</i> , 2022, 431, 128582.	12.4	1
4	Mercury isotopes of key tissues document mercury metabolic processes in seabirds. <i>Chemosphere</i> , 2021, 263, 127777.	8.2	53
5	Determination of the Intracellular Complexation of Inorganic and Methylmercury in Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13971-13979.	10.0	7
6	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
7	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
8	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
9	Seabird Tissues As Efficient Biomonitoring Tools for Hg Isotopic Investigations: Implications of Using Blood and Feathers from Chicks and Adults. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4227-4234.	10.0	42
10	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
11	Assessment of mercury speciation in feathers using species-specific isotope dilution analysis. <i>Talanta</i> , 2017, 174, 100-110.	5.5	53
12	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
13	Identical Hg Isotope Mass Dependent Fractionation Signature during Methylation by Sulfate-Reducing Bacteria in Sulfate and Sulfate-Free Environment. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1365-1373.	10.0	60
14	Specific Effects of Dietary Methylmercury and Inorganic Mercury in Zebrafish ( <i>Danio rerio</i> ) Determined by Genetic, Histological, and Metallothionein Responses. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14560-14569.	10.0	47
15	Specific Pathways of Dietary Methylmercury and Inorganic Mercury Determined by Mercury Speciation and Isotopic Composition in Zebrafish ( <i>Danio rerio</i> ). <i>Environmental Science &amp; Technology</i> , 2015, 49, 12984-12993.	10.0	60
16	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
17	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
18	Transformation, Localization, and Biomolecular Binding of Hg Species at Subcellular Level in Methylating and Nonmethylating Sulfate-Reducing Bacteria. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11744-11751.	10.0	33

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19	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
20	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
21	Novel approaches for selenium speciation in foodstuffs and biological specimens: A review. <i>Analytica Chimica Acta</i> , 2009, 634, 135-152.	5.4	239
22	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
23	Enrichment of African catfish with functional selenium originating from garlic. <i>Aquaculture Research</i> , 2008, 39, 850-860.	1.8	33
24	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
25	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
26	Identification of selenium species in selenium-enriched <i>Lens esculenta</i> plants by using two-dimensional liquid chromatography-inductively coupled plasma mass spectrometry and [ <sup>77</sup> Se]selenomethionine selenium oxide spikes. <i>Journal of Chromatography A</i> , 2007, 1139, 247-253.	3.7	41
27	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
28	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