

Joo Canrio

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

2,362

citations

26

h-index

44

g-index

93

ext. papers

2,626

ext. citations

5.9

avg, IF

4.79

L-index

#	Paper	IF	Citations
82	Reviews and syntheses: Effects of permafrost thaw on Arctic aquatic ecosystems. <i>Biogeosciences</i> , 2015 , 12, 7129-7167	4.6	261
81	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, 373-80	9.3	125
80	Mercury and selenium interaction in vivo: effects on thioredoxin reductase and glutathione peroxidase. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 781-93	7.8	118
79	Distribution of monomethylmercury and mercury in surface sediments of the Tagus Estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2005 , 50, 1142-5	6.7	104
78	Insights into the mechanisms underlying mercury-induced oxidative stress in gills of wild fish (<i>Liza aurata</i>) combining (1)H NMR metabolomics and conventional biochemical assays. <i>Science of the Total Environment</i> , 2016 , 548-549, 13-24	10.2	103
77	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	4.6	72
76	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	4.2	66
75	Critical review of mercury fates and contamination in the Arctic tundra ecosystem. <i>Science of the Total Environment</i> , 2008 , 400, 173-211	10.2	66
74	Evidence for elevated production of methylmercury in salt marshes. <i>Environmental Science & Technology</i> , 2007 , 41, 7376-82	10.3	56
73	Seasonal variation of monomethylmercury concentrations in surface sediments of the Tagus Estuary (Portugal). <i>Environmental Pollution</i> , 2007 , 148, 380-3	9.3	54
72	Estimation of the anthropogenic fraction of elements in surface sediments of the Tagus Estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2008 , 56, 1364-7	6.7	52
71	Mercury in contaminated sediments and pore waters enriched in sulphate (Tagus Estuary, Portugal). <i>Environmental Pollution</i> , 2003 , 126, 425-33	9.3	48
70	Assessing trace element contamination in Fildes Peninsula (King George Island) and Ardley Island, Antarctic. <i>Marine Pollution Bulletin</i> , 2015 , 97, 523-527	6.7	44
69	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, 871-4	6.7	42
68	The relevance of defining trace metal baselines in coastal waters at a regional scale: the case of the Portuguese coast (SW Europe). <i>Marine Environmental Research</i> , 2012 , 79, 86-99	3.3	38
67	Pathways and speciation of mercury in the environmental compartments of Deception Island, Antarctica. <i>Chemosphere</i> , 2014 , 95, 227-33	8.4	36
66	Hg and metallothionein-like proteins in the black scabbardfish <i>Aphanopus carbo</i> . <i>Food and Chemical Toxicology</i> , 2007 , 45, 1443-52	4.7	36

65	Mercury in sediments and vegetation in a moderately contaminated salt marsh (Tagus Estuary, Portugal). <i>Journal of Environmental Sciences</i> , 2010 , 22, 1151-7	6.4	32
64	Continuous analysis of dissolved gaseous mercury and mercury volatilization in the upper St. Lawrence River: exploring temporal relationships and UV attenuation. <i>Environmental Science & Technology</i> , 2007 , 41, 5342-8	10.3	32
63	Relations between mercury, methyl-mercury and selenium in tissues of Octopus vulgaris from the Portuguese coast. <i>Environmental Pollution</i> , 2010 , 158, 2094-100	9.3	31
62	Rapid release of mercury from intertidal sediments exposed to solar radiation: a field experiment. <i>Environmental Science & Technology</i> , 2004 , 38, 3901-7	10.3	31
61	Mercury mobility and effects in the salt-marsh plant Halimione portulacoides: Uptake, transport, and toxicity and tolerance mechanisms. <i>Science of the Total Environment</i> , 2019 , 650, 111-120	10.2	29
60	Simple method for monomethylmercury determination in estuarine sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 799-806	14.6	28
59	Trace element contamination and availability in the Fildes Peninsula, King George Island, Antarctica. <i>Environmental Sciences: Processes and Impacts</i> , 2016 , 18, 648-57	4.3	28
58	Fish eyes and brain as primary targets for mercury accumulation - a new insight on environmental risk assessment. <i>Science of the Total Environment</i> , 2014 , 494-495, 290-8	10.2	27
57	The pathway of mercury in contaminated waters determined by association with organic carbon (Tagus Estuary, Portugal). <i>Applied Geochemistry</i> , 2008 , 23, 519-528	3.5	26
56	Distribution of Mercury and Monomethylmercury in Sediments of Vigo Ria, NW Iberian Peninsula. <i>Water, Air, and Soil Pollution</i> , 2007 , 182, 21-29	2.6	26
55	A rapid acid digestion method with ICP-MS detection for the determination of selenium in dry sediments. <i>Analytica Chimica Acta</i> , 2005 , 551, 207-212	6.6	26
54	Aerobic Mercury-resistant bacteria alter Mercury speciation and retention in the Tagus Estuary (Portugal). <i>Ecotoxicology and Environmental Safety</i> , 2016 , 124, 60-67	7	24
53	Sources and transport of As, Cu, Cd and Pb in the environmental compartments of Deception Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2013 , 77, 341-8	6.7	24
52	Mercury and methylmercury bioaccumulation by polychaete worms is governed by both feeding ecology and mercury bioavailability in coastal mudflats. <i>Environmental Pollution</i> , 2013 , 176, 18-25	9.3	24
51	The ebullition of hydrogen, carbon monoxide, methane, carbon dioxide and total gaseous mercury from the Cornwall Area of Concern. <i>Science of the Total Environment</i> , 2007 , 381, 256-62	10.2	24
50	Evaluating trace element bioavailability and potential transfer into marine food chains using immobilised diatom model species Phaeodactylum tricornutum, on King George Island, Antarctica. <i>Marine Pollution Bulletin</i> , 2017 , 121, 192-200	6.7	23
49	Mercury-resistant bacteria from salt marsh of Tagus Estuary: the influence of plants presence and mercury contamination levels. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 959-71	3.2	23
48	A new page on the road book of inorganic mercury in fish body - tissue distribution and elimination following waterborne exposure and post-exposure periods. <i>Metallomics</i> , 2015 , 7, 525-35	4.5	22

47	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, 128-34	4.5	21
46	Mercury Speciation and Distribution in Coastal Wetlands and Tidal Mudflats: Relationships with Sulphur Speciation and Organic Carbon. <i>Water, Air, and Soil Pollution</i> , 2011 , 220, 313-326	2.6	21
45	Mercury and Methylmercury Dynamics in Sediments on a Protected Area of Tagus Estuary (Portugal). <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	21
44	A multidimensional concept for mercury neuronal and sensory toxicity in fish - From toxicokinetics and biochemistry to morphometry and behavior. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 129298	4	21
43	Biogeochemical Cycle of Mercury and Methylmercury in Two Highly Contaminated Areas of Tagus Estuary (Portugal). <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	20
42	Isolation and characterization of mercury-resistant bacteria from sediments of Tagus Estuary (Portugal): implications for environmental and human health risk assessment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 155-68	3.2	20
41	Unveiling the neurotoxicity of methylmercury in fish (<i>Diplodus sargus</i>) through a regional morphometric analysis of brain and swimming behavior assessment. <i>Aquatic Toxicology</i> , 2016 , 180, 320-333	5.1	19
40	Mercury enrichments in core sediments in HugliMatlaBidyadhari estuarine complex, north-eastern part of the Bay of Bengal and their ecotoxicological significance. <i>Environmental Geology</i> , 2009 , 57, 1125		19
39	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	3.3	19
38	Biomarkers of adverse response to mercury: histopathology versus thioredoxin reductase activity. <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 359879		19
37	Seasonal variation of methylmercury in sediment cores from the Tagus Estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2016 , 104, 162-70	6.7	19
36	Evaluation of mercury methylation and methylmercury demethylation rates in vegetated and non-vegetated saltmarsh sediments from two Portuguese estuaries. <i>Environmental Pollution</i> , 2017 , 226, 297-307	9.3	18
35	Phytoplankton community-level bio-optical assessment in a naturally mercury contaminated Antarctic ecosystem (Deception Island). <i>Marine Environmental Research</i> , 2018 , 140, 412-421	3.3	17
34	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, 5239-54	3.1	17
33	Reviews and Syntheses: Effects of permafrost thaw on arctic aquatic ecosystems		17
32	Validation and application of an analytical method for monomethylmercury quantification in aquatic plant tissues. <i>Analytica Chimica Acta</i> , 2006 , 580, 258-62	6.6	16
31	Salt-marsh plants as potential sources of Hg ⁰ into the atmosphere. <i>Atmospheric Environment</i> , 2017 , 152, 458-464	5.3	15
30	Mercury and methylmercury transport and fate in the water column of Tagus estuary (Portugal). <i>Marine Pollution Bulletin</i> , 2018 , 127, 235-250	6.7	15

29	Relations between total mercury, methylmercury and selenium in five tissues of <i>Sepia officinalis</i> captured in the south Portuguese coast. <i>Chemosphere</i> , 2014 , 108, 190-6	8.4	15
28	The polychaete worm <i>Nereis diversicolor</i> increases mercury lability and methylation in intertidal mudflats. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 1888-95	3.8	15
27	Dissolved gaseous mercury concentrations and mercury volatilization in a frozen freshwater fluvial lake. <i>Environmental Science & Technology</i> , 2008 , 42, 5125-30	10.3	15
26	Dissolved gaseous mercury formation and mercury volatilization in intertidal sediments. <i>Science of the Total Environment</i> , 2017 , 603-604, 279-289	10.2	14
25	Polar marine biology science in Portugal and Spain: Recent advances and future perspectives. <i>Journal of Sea Research</i> , 2013 , 83, 9-29	1.9	14
24	Environmental hazard assessment of contaminated soils in Antarctica: Using a structured tier 1 approach to inform decision-making. <i>Science of the Total Environment</i> , 2017 , 574, 443-454	10.2	14
23	Mercury Partitioning in Surface Sediments of the Upper St. Lawrence River (Canada): Evidence of the Importance of the Sulphur Chemistry. <i>Water, Air, and Soil Pollution</i> , 2007 , 187, 219-231	2.6	14
22	Evidence of Mercury Methylation and Demethylation by the Estuarine Microbial Communities Obtained in Stable Hg Isotope Studies. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	14
21	Mercury and methylmercury in the Atlantic sector of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 138, 52-62	2.3	12
20	Environmental levels of Linear alkylbenzene Sulfonates (LAS) in sediments from the Tagus estuary (Portugal): environmental implications. <i>Environmental Monitoring and Assessment</i> , 2009 , 149, 151-61	3.1	12
19	Identification of a Threshold Minimum Area for Reflectance Retrieval from Thermokarst Lakes and Ponds Using Full-Pixel Data from Sentinel-2. <i>Remote Sensing</i> , 2019 , 11, 657	5	11
18	Looking at the aquatic contamination through fish eyes--a faithful picture based on metals burden. <i>Marine Pollution Bulletin</i> , 2013 , 77, 375-9	6.7	11
17	Oxidative stress profiles in brain point out a higher susceptibility of fish to waterborne divalent mercury compared to dietary organic mercury. <i>Marine Pollution Bulletin</i> , 2017 , 122, 110-121	6.7	11
16	Mercury uptake by halophytes in response to a long-term contamination in coastal wetland salt marshes (northern Adriatic Sea). <i>Environmental Geochemistry and Health</i> , 2017 , 39, 1273-1289	4.7	11
15	Yttrium and rare earth elements fractionation in salt marsh halophyte plants. <i>Science of the Total Environment</i> , 2018 , 643, 1117-1126	10.2	8
14	Diversity of Bacterial Biosynthetic Genes in Maritime Antarctica. <i>Microorganisms</i> , 2020 , 8,	4.9	5
13	Mercury in sediments and pore waters at a contaminated site in the Tagus estuary. <i>Ciencias Marinas</i> , 2003 , 29, 535-545	1.7	5
12	Sediment processes and mercury transport in a frozen freshwater fluvial lake (Lake St. Louis, QC, Canada). <i>Environmental Pollution</i> , 2009 , 157, 1294-300	9.3	4

11	Relationships between total and organic mercury concentrations in tissues and length of common dolphins (<i>Delphinus delphis</i>) from the Portuguese coast. <i>Ciencias Marinas</i> , 2006 , 32, 379-387	1.7	4
10	Metals(loids) targeting fish eyes and brain in a contaminated estuary - Uncovering neurosensory (un)susceptibility through bioaccumulation, antioxidant and morphometric profiles. <i>Marine Environmental Research</i> , 2018 , 140, 403-411	3.3	3
9	Toxicity survey of Canadian Arctic marine sediments. <i>Journal of Soils and Sediments</i> , 2014 , 14, 196-203	3.4	3
8	Optimization of microbial detoxification for an aquatic mercury-contaminated environment. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 788-796	3.2	2
7	Structural Characterization of Dissolved Organic Matter in Permafrost Peatland Lakes. <i>Water (Switzerland)</i> , 2020 , 12, 3059	3	2
6	The Great Whale River ecosystem: ecology of a subarctic river and its receiving waters in coastal Hudson Bay, Canada. <i>Ecoscience</i> , 1-20	1.1	2
5	Structural shifts in sea ice prokaryotic communities across a salinity gradient in the subarctic.. <i>Science of the Total Environment</i> , 2022 , 154286	10.2	2
4	Mercury methylation rates in Deception Island (Maritime Antarctica) waters and pyroclastic gravel impacted by volcanic mercury. <i>Marine Pollution Bulletin</i> , 2021 , 164, 112023	6.7	1
3	A Review of Freshwater Invertebrates as Biomonitors of Methylmercury: the Importance of More Complete Physical and Chemical Reporting. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 801-808	2.7	1
2	Air Concentrations of Gaseous Elemental Mercury and Vegetation Air Fluxes within Saltmarshes of the Tagus Estuary, Portugal. <i>Atmosphere</i> , 2021 , 12, 228	2.7	1
1	Contaminant Cycling Under Climate Change: Evidences and Scenarios 2011 , 133-156		