

Jiubin Chen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,522
citations

218677

26
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

1571
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual fractionation of both odd and even mercury isotopes in precipitation from Peterborough, ON, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 90, 33-46.	3.9	280
2	Evidence for a prolonged Permian–Triassic extinction interval from global marine mercury records. <i>Nature Communications</i> , 2019, 10, 1563.	12.8	136
3	Mercury in marine Ordovician/Silurian boundary sections of South China is sulfide-hosted and non-volcanic in origin. <i>Earth and Planetary Science Letters</i> , 2019, 511, 130-140.	4.4	134
4	Zinc Isotopes in the Seine River Waters, France: A Probe of Anthropogenic Contamination. <i>Environmental Science & Technology</i> , 2008, 42, 6494-6501.	10.0	129
5	Sedimentary host phases of mercury (Hg) and implications for use of Hg as a volcanic proxy. <i>Earth and Planetary Science Letters</i> , 2020, 543, 116333.	4.4	118
6	Mercury speciation and mercury isotope fractionation during ore roasting process and their implication to source identification of downstream sediment in the Wanshan mercury mining area, SW China. <i>Chemical Geology</i> , 2013, 336, 72-79.	3.3	115
7	Mercury enrichment and Hg isotopes in Cretaceous–Paleogene boundary successions: Links to volcanism and palaeoenvironmental impacts. <i>Cretaceous Research</i> , 2016, 66, 60-81.	1.4	95
8	Mercury evidence of intense volcanic effects on land during the Permian-Triassic transition. <i>Geology</i> , 2019, 47, 1117-1121.	4.4	89
9	Mercury isotope variations between bioavailable mercury fractions and total mercury in mercury contaminated soil in Wanshan Mercury Mine, SW China. <i>Chemical Geology</i> , 2013, 336, 80-86.	3.3	85
10	Zn isotopes in the suspended load of the Seine River, France: Isotopic variations and source determination. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4060-4076.	3.9	84
11	Chromatographic pre-concentration of Hg from dilute aqueous solutions for isotopic measurement by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1402.	3.0	81
12	Mercury enrichments provide evidence of Early Triassic volcanism following the end-Permian mass extinction. <i>Earth-Science Reviews</i> , 2019, 195, 191-212.	9.1	81
13	An improved dual-stage protocol to pre-concentrate mercury from airborne particles for precise isotopic measurement. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 957-966.	3.0	80
14	Isotopic evidence for distinct sources of mercury in lake waters and sediments. <i>Chemical Geology</i> , 2016, 426, 33-44.	3.3	72
15	Mass-dependent and mass-independent fractionation of mercury isotopes in precipitation from Guiyang, SW China. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 358-367.	1.2	71
16	Possible application of stable isotope compositions for the identification of metal sources in soil. <i>Journal of Hazardous Materials</i> , 2021, 407, 124812.	12.4	69
17	Mercury Stable Isotopic Compositions in Coals from Major Coal Producing Fields in China and Their Geochemical and Environmental Implications. <i>Environmental Science & Technology</i> , 2014, 48, 5565-5574.	10.0	67
18	Isotopic composition for source identification of mercury in atmospheric fine particles. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 11773-11786.	4.9	61

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19	High-resolution Hg chemostratigraphy: A contribution to the distinction of chemical fingerprints of the Deccan volcanism and Cretaceous–Paleogene Boundary impact event. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 414, 98-115.	2.3	59
20	Mercury fluxes record regional volcanism in the South China craton prior to the end-Permian mass extinction. <i>Geology</i> , 2021, 49, 452-456.	4.4	57
21	Mass-independent fractionation of even mercury isotopes. <i>Science Bulletin</i> , 2016, 61, 116-124.	9.0	56
22	Methylmercury produced in upper oceans accumulates in deep Mariana Trench fauna. <i>Nature Communications</i> , 2020, 11, 3389.	12.8	46
23	Large Variation of Mercury Isotope Composition During a Single Precipitation Event at Lhasa City, Tibetan Plateau, China. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 282-286.	0.6	45
24	Diel variation in mercury stable isotope ratios records photoreduction of PM _{2.5} -bound mercury. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 315-325.	4.9	34
25	The Mercury Isotopic Composition of Earth's Mantle and the Use of Mass Independently Fractionated Hg to Test for Recycled Crust. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094301.	4.0	33
26	Globally enhanced Hg deposition and Hg isotopes in sections straddling the Permian–Triassic boundary: Link to volcanism. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 540, 109537.	2.3	30
27	Sequential samples reveal significant variation of mercury isotope ratios during single rainfall events. <i>Science of the Total Environment</i> , 2018, 624, 133-144.	8.0	26
28	Chondritic mercury isotopic composition of Earth and evidence for evaporative equilibrium degassing during the formation of eucrites. <i>Earth and Planetary Science Letters</i> , 2020, 551, 116544.	4.4	26
29	Major volcanic eruptions linked to the Late Ordovician mass extinction: Evidence from mercury enrichment and Hg isotopes. <i>Global and Planetary Change</i> , 2021, 196, 103374.	3.5	26
30	Seasonal Variation of Mercury and Its Isotopes in Atmospheric Particles at the Coastal Zhongshan Station, Eastern Antarctica. <i>Environmental Science & Technology</i> , 2020, 54, 11344-11355.	10.0	23
31	Mercury isotope evidence for regional volcanism during the Frasnian-Famennian transition. <i>Earth and Planetary Science Letters</i> , 2022, 581, 117412.	4.4	20
32	Cu Isotopic Composition in Surface Environments and in Biological Systems: A Critical Review. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 538.	2.6	19
33	Mercury isotope compositions in large anthropogenically impacted Pearl River, South China. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110229.	6.0	18
34	Distribution and partitioning of heavy metals in large anthropogenically impacted river, the Pearl River, China. <i>Acta Geochimica</i> , 2019, 38, 216-231.	1.7	16
35	Substantial accumulation of mercury in the deepest parts of the ocean and implications for the environmental mercury cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
36	Behaviors of Major and Trace Elements During Single Flood Event in the Seine River, France. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 343-348.	0.6	14

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37	Chromatographic purification of antimony for accurate isotope analysis by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1360-1367.	3.0	13
38	Volcanic origin of the mercury anomalies at the Cretaceous-Paleogene transition of Bidart, France. <i>Geology</i> , 2022, 50, 142-146.	4.4	13
39	Insight into hydrothermal and subduction processes from copper and nitrogen isotopes in oceanic metagabbros. <i>Earth and Planetary Science Letters</i> , 2018, 498, 54-64.	4.4	12
40	Hg Isotopes and Enhanced Hg Concentration in the Meishan and Guryul Ravine Successions: Proxies for Volcanism Across the Permian-Triassic Boundary. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	12
41	Stable Mercury Isotopes Revealing Photochemical Processes in the Marine Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034630.	3.3	10
42	Coprecipitation of Mercury from Natural Iodine-Containing Seawater for Accurate Isotope Measurement. <i>Analytical Chemistry</i> , 2021, 93, 15905-15912.	6.5	8
43	A Pilot Study on Zinc Isotopic Compositions in Shallowâ€Water Coral Skeletons. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009430.	2.5	7
44	Deciphering the signatures of weathering and erosion processes and the effects of river management on Li isotopes in the subtropical Pearl River basin. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 340-358.	3.9	7
45	Identification of potential sources of elevated PM2.5-Hg using mercury isotopes during haze events. <i>Atmospheric Environment</i> , 2021, 247, 118203.	4.1	6
46	Seasonal Variations of the Mercury Multiple Isotopic Compositions of Subrural and Urban Aerosols Highlight an Additional Atmospheric HgO Oxidation Pathway. <i>Frontiers in Environmental Science</i> , 2022, 9, .	3.3	5
47	Potential factors impacting PM2.5-Hg during haze evolution revealed by mercury isotope: Emission sources and photochemical processes. <i>Atmospheric Research</i> , 2022, 277, 106318.	4.1	5
48	Mercury Inputs Into Eastern China Seas Revealed by Mercury Isotope Variations in Sediment Cores. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016891.	2.6	4
49	Reply to comments by Sanjay K. Mukhopadhyay, Sucharita Pal, J. P. Shrivastava on the paper by Sial et al. (2016) Mercury enrichments and Hg isotopes in Cretaceousâ€Paleogene boundary successions: Links to volcanism and palaeoenvironmental impacts. <i>Cretaceous Research</i> 66, 60â€81. <i>Cretaceous Research</i> , 2017, 76, 84-88.	1.4	3
50	Denitrification devices in urban boilers change mercury isotope fractionation signatures of coal combustion products. <i>Environmental Pollution</i> , 2021, 268, 115753.	7.5	3
51	Globally enhanced Hg concentration and Hg and C isotopes in Permianâ€Triassic boundary successions: Possible linkage to volcanism. <i>Stratigraphy & Timescales</i> , 2020, 5, 567-628.	0.5	3