

Xiangli Wang

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,994
citations

186209

28
h-index

197736

49
g-index

54
all docs

54
docs citations

54
times ranked

2178
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Mid-Proterozoic atmospheric oxygen levels and the delayed rise of animals. <i>Science</i> , 2014, 346, 635-638.	6.0	594
2	Evidence for oxygenic photosynthesis half a billion years before the Great Oxidation Event. <i>Nature Geoscience</i> , 2014, 7, 283-286.	5.4	444
3	A shale-hosted Cr isotope record of low atmospheric oxygen during the Proterozoic. <i>Geology</i> , 2016, 44, 555-558.	2.0	228
4	The isotopic composition of authigenic chromium in anoxic marine sediments: A case study from the Cariaco Basin. <i>Earth and Planetary Science Letters</i> , 2014, 407, 9-18.	1.8	99
5	The effects of diagenesis on geochemical paleoredox proxies in sedimentary carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 265-287.	1.6	92
6	The chromium isotope composition of reducing and oxic marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 184, 1-19.	1.6	83
7	Chromium Isotope Geochemistry. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 379-414.	2.2	81
8	Chromium isotope fractionation during subduction-related metamorphism, black shale weathering, and hydrothermal alteration. <i>Chemical Geology</i> , 2016, 423, 19-33.	1.4	77
9	Redox-independent chromium isotope fractionation induced by ligand-promoted dissolution. <i>Nature Communications</i> , 2017, 8, 1590.	5.8	75
10	A Cenozoic seawater redox record derived from $^{238}\text{U}/^{235}\text{U}$ in ferromanganese crusts. <i>Numerische Mathematik</i> , 2016, 316, 64-83.	0.7	70
11	Selenium redox cycling during weathering of Se-rich shales: A selenium isotope study. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 126, 228-249.	1.6	69
12	Chromium isotope systematics in the Connecticut River. <i>Chemical Geology</i> , 2017, 456, 98-111.	1.4	69
13	Isotope fractionation during oxidation of tetravalent uranium by dissolved oxygen. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 150, 160-170.	1.6	68
14	Coupled iron, sulfur and carbon isotope evidences for arsenic enrichment in groundwater. <i>Journal of Hydrology</i> , 2014, 519, 414-422.	2.3	67
15	Equilibrium isotopic fractionation and isotopic exchange kinetics between Cr(III) and Cr(VI). <i>Geochimica Et Cosmochimica Acta</i> , 2015, 153, 72-90.	1.6	65
16	The Molybdenum Isotope System as a Tracer of Slab Input in Subduction Zones: An Example From Martinique, Lesser Antilles Arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4674-4689.	1.0	57
17	Integrated geochemical-petrographic insights from component-selective ^{238}U of Cryogenian marine carbonates. <i>Geology</i> , 2016, 44, 935-938.	2.0	52
18	A Mesoarchean shift in uranium isotope systematics. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 438-452.	1.6	52

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19	High-sensitivity determination of Cd isotopes in low-Cd geological samples by double spike MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 713-727.	1.6	45
20	Sedimentary chromium isotopic compositions across the Cretaceous OAE2 at Demerara Rise Site 1258. <i>Chemical Geology</i> , 2016, 429, 85-92.	1.4	44
21	Uranium Isotope Fractionation in Non-sulfidic Anoxic Settings and the Global Uranium Isotope Mass Balance. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006649.	1.9	40
22	An improved method of Cr purification for high precision measurement of Cr isotopes by double spike MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 809-821.	1.6	39
23	Mobilization of arsenic in aquifers from the Datong Basin, China: Evidence from geochemical and iron isotopic data. <i>Chemosphere</i> , 2013, 90, 1878-1884.	4.2	38
24	Chromium isotopic composition of core-top planktonic foraminifera. <i>Geobiology</i> , 2017, 15, 51-64.	1.1	37
25	Selenium isotope fractionation during adsorption by Fe, Mn and Al oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 121-136.	1.6	37
26	Low temperature equilibrium isotope fractionation and isotope exchange kinetics between U(IV) and U(VI). <i>Geochimica Et Cosmochimica Acta</i> , 2015, 158, 262-275.	1.6	35
27	Marine microbial Mn(II) oxidation mediates Cr(III) oxidation and isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 101-119.	1.6	34
28	Pathways of arsenic from sediments to groundwater in the hyporheic zone: Evidence from an iron isotope study. <i>Journal of Hydrology</i> , 2014, 511, 509-517.	2.3	29
29	A paleosol record of the evolution of Cr redox cycling and evidence for an increase in atmospheric oxygen during the Neoproterozoic. <i>Geobiology</i> , 2019, 17, 579-593.	1.1	27
30	High-Sensitivity Measurement of Cr Isotopes by Double Spike MC-ICP-MS at the 10 ng Level. <i>Analytical Chemistry</i> , 2020, 92, 1463-1469.	3.2	27
31	Chromium isotope systematics and the diagenesis of marine carbonates. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116824.	1.8	24
32	Cr isotope systematics in the Connecticut River estuary. <i>Chemical Geology</i> , 2019, 506, 29-39.	1.4	22
33	A novel purification method for high precision measurement of Ni isotopes by double spike MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1639-1651.	1.6	21
34	Behavior of the Mo, Tl, and U isotope systems during differentiation in the Kilauea Iki lava lake. <i>Chemical Geology</i> , 2021, 574, 120239.	1.4	19
35	Species-Dependent Chromium Isotope Fractionation Across the Eastern Tropical North Pacific Oxygen Minimum Zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2499-2514.	1.0	17
36	A Cenozoic record of seawater uranium in fossil corals. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 173-190.	1.6	13

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37	Uranium isotope evidence for Mesoarchean biological oxygen production in shallow marine and continental settings. <i>Earth and Planetary Science Letters</i> , 2020, 551, 116583.	1.8	13
38	$\delta^{114/110}\text{Cd}$ Values of a Suite of Different Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 565-581.	1.7	12
39	The impact of primary processes and secondary alteration on the stable isotope composition of ocean island basalts. <i>Chemical Geology</i> , 2021, 581, 120416.	1.4	12
40	Mesoproterozoic oxygenation event: From shallow marine to atmosphere. <i>Bulletin of the Geological Society of America</i> , 2023, 135, 753-766.	1.6	12
41	The chromium isotope fractionation factor in seawater. <i>Chemical Geology</i> , 2021, 579, 120358.	1.4	9
42	Chromium isotope evidence for oxygenation events in the Ediacaran ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 323, 258-275.	1.6	8
43	Equilibrium fractionation and isotope exchange kinetics between aqueous Se(IV) and Se(VI). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 21-36.	1.6	7
44	Chromium isotope fractionation during black shale weathering and its environmental implications. <i>Science of the Total Environment</i> , 2021, 783, 147126.	3.9	6
45	Nickel isotopic composition of the upper continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 332, 263-284.	1.6	6
46	Factors Affecting the Robustness of Data Inversion for Stable Isotope Measurement Using the Double Spike Method: Insights from Chromium Isotope Analysis. <i>Analytical Chemistry</i> , 2021, 93, 7449-7455.	3.2	4
47	Chromium stable isotope geochemistry in the Mobile Bay Estuary. <i>Chemical Geology</i> , 2021, 584, 120530.	1.4	4
48	10 Chromium Isotope Geochemistry. , 2017, , .		2
49	Covariation between molybdenum and uranium isotopes in reducing marine sediments. <i>Chemical Geology</i> , 2022, 603, 120921.	1.4	2
50	Chromium Distribution in Water and Sediments in the Mobile River and Bay, Alabama. <i>Gulf and Caribbean Research</i> , 0, 30, SC33-SC37.	0.7	1
51	Chromium Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1-6.	0.1	0
52	Chromium Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 256-262.	0.1	0