Sheng-Ao

List of Publications by Year
in descending order

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76 papers	4,684 citations	109321 35 h-index	95266 68 g-index
78 all docs	78 docs citations	78 times ranked	2193 citing authors

#	Article	IF	Citations
1	Copper isotope evidence for a Cu-rich mantle source of the world-class Jinchuan magmatic Ni-Cu deposit. American Mineralogist, 2022, 107, 673-683.	1.9	10
2	Tracing carbonate dissolution in subducting sediments by zinc and magnesium isotopes. Geochimica Et Cosmochimica Acta, 2022, 319, 56-72.	3.9	10
3	Linking deep CO2 outgassing to cratonic destruction. National Science Review, 2022, 9, .	9.5	9
4	Zinc isotope evidence for carbonate alteration of oceanic crustal protoliths of cratonic eclogites. Earth and Planetary Science Letters, 2022, 580, 117394.	4.4	8
5	Copper Isotope Fractionation during Basalt Leaching at 25 Â°C and pH = 0.3, 2. Journal of Earth Science (Wuhan, China), 2022, 33, 82-91.	3.2	6
6	Cu and Zn Isotopic Evidence for the Magnitude of Organic Burial in the Mesoproterozoic Ocean. Journal of Earth Science (Wuhan, China), 2022, 33, 92-99.	3.2	4
7	Carbonated Big Mantle Wedge Extending to the NE Edge of the Stagnant Pacific Slab: Constraints from Late Mesozoic-Cenozoic Basalts from Far Eastern Russia. Journal of Earth Science (Wuhan, China), 2022, 33, 121-132.	3.2	7
8	Probing recycled carbonate in the lower mantle. National Science Review, 2022, 9, .	9.5	11
9	Zinc isotopic systematics of the Mt. Baekdu and Jeju Island intraplate basalts in Korea, and implications for mantle source lithologies. Lithos, 2022, 416-417, 106659.	1.4	4
10	Contrasting fates of subducting carbon related to different oceanic slabs in East Asia. Geochimica Et Cosmochimica Acta, 2022, 324, 156-173.	3.9	15
11	The fate of subducting carbon tracked by Mg and Zn isotopes: A review and new perspectives. Earth-Science Reviews, 2022, 228, 104010.	9.1	27
12	Temporal and Spatial Variations of Enriched Source Components in Linzizong Volcanic Succession, Tibet, and Implications for the Indiaâ€“Asia Collision. Journal of Petrology, 2022, 63, .	2.8	11
13	Chromium isotope fractionation during magmatic processes: Evidence from mid-ocean ridge basalts. Geochimica Et Cosmochimica Acta, 2022, 327, 79-95.	3.9	7
14	Oxidation of the deep big mantle wedge by recycled carbonates: Constraints from highly siderophile elements and osmium isotopes. Geochimica Et Cosmochimica Acta, 2021, 295, 207-223.	3.9	15
15	Evolution of Intraplate Alkaline to Tholeiitic Basalts via Interaction Between Carbonated Melt and Lithospheric Mantle. Journal of Petrology, 2021, 62, .	2.8	25
16	Magnesium and zinc isotopic anomaly of Cenozoic lavas in central Myanmar: Origins and implications for deep carbon recycling. Lithos, 2021, 386-387, 106011.	1.4	5
17	Molybdenum isotope tracing petrogenesis of adakitic rocks and associated ore-forming process. Geochimica Et Cosmochimica Acta, 2021, 300, 296-317.	3.9	6
18	Antimony isotope fractionation in hydrothermal systems. Geochimica Et Cosmochimica Acta, 2021, 306, 84-97.	3.9	31

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19	Zinc isotopic behavior of mafic rocks during continental deep subduction. Geoscience Frontiers, 2021, 12, 101182.	8.4	16
20	Zinc isotope fractionation between Cr-spinel and olivine and its implications for chromite crystallization during magma differentiation. Geochimica Et Cosmochimica Acta, 2021, 313, 277-294.	3.9	23
21	Felsic volcanism as a factor driving the end-Permian mass extinction. Science Advances, 2021, 7, eabh1390.	10.3	63
22	Extreme Mg and Zn isotope fractionation recorded in the Himalayan leucogranites. Geochimica Et Cosmochimica Acta, 2020, 278, 305-321.	3.9	31
23	Mg and Zn Isotope Evidence for Two Types of Mantle Metasomatism and Deep Recycling of Magnesium Carbonates. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020684.	3.4	29
24	Contrasting zinc isotopic fractionation in two mafic-rock weathering profiles induced by adsorption onto Fe (hydr)oxides. Chemical Geology, 2020, 539, 119504.	3.3	25
25	Zinc Isotope Constraints on Recycled Oceanic Crust in the Mantle Sources of the Emeishan Large Igneous Province. Journal of Geophysical Research: Solid Earth, 2019, 124, 12537-12555.	3.4	30
26	Zinc, cadmium and sulfur isotope fractionation in a supergiant MVT deposit with bacteria. Geochimica Et Cosmochimica Acta, 2019, 265, 1-18.	3.9	25
27	Redox reactions control Cu and Fe isotope fractionation in a magmatic Niâ€“Cu mineralization system. Geochimica Et Cosmochimica Acta, 2019, 249, 42-58.	3.9	43
28	Initial Cu enrichment in sources of giant porphyry deposits revealed by Cu isotopes. Acta Geologica Sinica, 2019, 93, 255-256.	1.4	0
29	Tracing the Deep Carbon Cycle Using Metal Stable Isotopes: Opportunities and Challenges. Engineering, 2019, 5, 448-457.	6.7	52
30	Cu isotopes reveal initial Cu enrichment in sources of giant porphyry deposits in a collisional setting. Geology, 2019, 47, 135-138.	4.4	65
31	Cu and Zn isotope fractionation during oceanic alteration: Implications for Oceanic Cu and Zn cycles. Geochimica Et Cosmochimica Acta, 2019, 257, 191-205.	3.9	59
32	Highâ€Precision Measurement of Stable Cr Isotopes in Geological Reference Materials by a Doubleâ€Spike TIMS Method. Geostandards and Geoanalytical Research, 2019, 43, 647-661.	3.1	11
33	Zinc isotopic compositions of migmatites and granitoids from the Dabie Orogen, central China: Implications for zinc isotopic fractionation during differentiation of the continental crust. Lithos, 2019, 324-325, 454-465.	1.4	20
34	Generation of leucogranites via fractional crystallization: A case from the Late Triassic Luoza batholith in the Lhasa Terrane, southern Tibet. Gondwana Research, 2019, 66, 63-76.	6.0	28
35	Basaltic and Solution Reference Materials for Iron, Copper and Zinc Isotope Measurements. Geostandards and Geoanalytical Research, 2019, 43, 163-175.	3.1	29
36	Zinc and strontium isotope evidence for climate cooling and constraints on the Frasnian-Famennian (~372â€¯Ma) mass extinction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 498, 68-82.	2.3	35

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37	Compositional transition in natural alkaline lavas through silica-undersaturated meltâ€“lithosphere interaction. Geology, 2018, 46, 771-774.	4.4	62
38	Transition From Lowâ€K to Highâ€K Calcâ€Alkaline Magmatism at Approximately 84ÂMa in the Eastern Pontides (NE Turkey): Magmatic Response to Slab Rollback of the Black Sea. Journal of Geophysical Research: Solid Earth, 2018, 123, 7604-7628.	3.4	34
39	Fractionation of Mg isotopes by clay formation and calcite precipitation in groundwater with long residence times in a sandstone aquifer, Ordos Basin, China. Geochimica Et Cosmochimica Acta, 2018, 237, 261-274.	3.9	29
40	Cadmium Isotope Ratios of Standard Solutions and Geological Reference Materials Measured by <scp>MC</scp>â€<scp>ICP</scp>â€<scp>MS</scp>. Geostandards and Geoanalytical Research, 2018, 42, 593-605.	3.1	37
41	Zn-Sr isotope records of the Ediacaran Doushantuo Formation in South China: diagenesis assessment and implications. Geochimica Et Cosmochimica Acta, 2018, 239, 330-345.	3.9	38
42	Calibrating NIST SRM 683 as a new international reference standard for Zn isotopes. Journal of Analytical Atomic Spectrometry, 2018, 33, 1777-1783.	3.0	26
43	Iron isotopic compositions of adakitic and non-adakitic granitic magmas: Magma compositional control and subtle residual garnet effect. Geochimica Et Cosmochimica Acta, 2017, 203, 89-102.	3.9	44
44	Zinc isotope evidence for intensive magmatism immediately before the end-Permian mass extinction. Geology, 2017, 45, 343-346.	4.4	90
45	Copper isotope fractionation during sulfide-magma differentiation in the Tulaergen magmatic Niâ€“Cu deposit, NW China. Lithos, 2017, 286-287, 206-215.	1.4	53
46	Copper isotopic compositions of the Zijinshan high-sulfidation epithermal Cuâ€“Au deposit, South China: Implications for deposit origin. Ore Geology Reviews, 2017, 83, 191-199.	2.7	18
47	Zinc isotope fractionation during mantle melting and constraints on the Zn isotope composition of Earthâ€™s upper mantle. Geochimica Et Cosmochimica Acta, 2017, 198, 151-167.	3.9	135
48	Mg, Sr, and O isotope geochemistry of syenites from northwest Xinjiang, China: Tracing carbonate recycling during Tethyan oceanic subduction. Chemical Geology, 2016, 437, 109-119.	3.3	79
49	Zinc isotope evidence for a large-scale carbonated mantle beneath eastern China. Earth and Planetary Science Letters, 2016, 444, 169-178.	4.4	140
50	Copper and zinc isotope systematics of altered oceanic crust at IODP Site 1256 in the eastern equatorial Pacific. Journal of Geophysical Research: Solid Earth, 2016, 121, 7086-7100.	3.4	56
51	Magnesium isotopic heterogeneity across the cratonic lithosphere in eastern China and its origins. Earth and Planetary Science Letters, 2016, 451, 77-88.	4.4	36
52	Copper isotope behavior during extreme magma differentiation and degassing: a case study on Laacher See phonolite tephra (East Eifel, Germany). Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	30
53	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. Chemical Geology, 2016, 445, 24-35.	3.3	73
54	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. Chemical Geology, 2016, 422, 82.	3.3	17

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55	Late Jurassic sodium-rich adakitic intrusive rocks in the southern Qiangtang terrane, central Tibet, and their implications for the Bangongâ€“Nujiang Ocean subduction. Lithos, 2016, 245, 34-46.	1.4	52
56	Magnesium isotopic composition of the deep continental crust. American Mineralogist, 2016, 101, 243-252.	1.9	42
57	Copper isotopic signature of the Tiegelongnan high-sulfidation copper deposit, Tibet: implications for its origin and mineral exploration. Mineralium Deposita, 2016, 51, 591-602.	4.1	30
58	Assembly of the Lhasa and Qiangtang terranes in central Tibet by divergent double subduction. Lithos, 2016, 245, 7-17.	1.4	432
59	Magmatic record of India-Asia collision. Scientific Reports, 2015, 5, 14289.	3.3	316
60	Copper isotope fractionation during adsorption onto kaolinite: Experimental approach and applications. Chemical Geology, 2015, 396, 74-82.	3.3	68
61	Magnesium Isotopic Compositions of International Geological Reference Materials. Geostandards and Geoanalytical Research, 2015, 39, 329-339.	3.1	149
62	Copper isotopic composition of the silicate Earth. Earth and Planetary Science Letters, 2015, 427, 95-103.	4.4	127
63	Eocene magmatic processes and crustal thickening in southern Tibet: Insights from strongly fractionated ca. 43Ma granites in the western Gangdese Batholith. Lithos, 2015, 239, 128-141.	1.4	52
64	Origin of the Miocene porphyries and their mafic microgranular enclaves from Dabu porphyry Cuâ€“Mo deposit, southern Tibet: implications for magma mixing/mingling and mineralization. International Geology Review, 2014, 56, 571-595.	2.1	32
65	Zircon Uâ€“Pb ages, Hfâ€“O isotopes and trace elements of Mesozoic high Sr/Y porphyries from Ningzhen, eastern China: Constraints on their petrogenesis, tectonic implications and Cu mineralization. Lithos, 2014, 200-201, 299-316.	1.4	46
66	Copper and iron isotope fractionation during weathering and pedogenesis: Insights from saprolite profiles. Geochimica Et Cosmochimica Acta, 2014, 146, 59-75.	3.9	116
67	Northward subduction of Bangongâ€“Nujiang Tethys: Insight from Late Jurassic intrusive rocks from Bangong Tso in western Tibet. Lithos, 2014, 205, 284-297.	1.4	140
68	Geochronology and geochemistry of leucogranites from the southeast margin of the North China Block: Origin and migration. Gondwana Research, 2014, 26, 1111-1128.	6.0	23
69	High-precision copper and iron isotope analysis of igneous rock standards by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2014, 29, 122-133.	3.0	159
70	Contrasting zircon Hfâ€“O isotopes and trace elements between ore-bearing and ore-barren adakitic rocks in central-eastern China: Implications for genetic relation to Cuâ€“Au mineralization. Lithos, 2013, 156-159, 97-111.	1.4	131
71	The origin and evolution of low-Î´18O magma recorded by multi-growth zircons in granite. Earth and Planetary Science Letters, 2013, 373, 233-241.	4.4	23
72	The Cretaceous adakiticâ€“basalticâ€“granitic magma sequence on south-eastern margin of the North China Craton: Implications for lithospheric thinning mechanism. Lithos, 2012, 134-135, 163-178.	1.4	66

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73	Post-collisional granitoids from the Dabie orogen: New evidence for partial melting of a thickened continental crust. Geochimica Et Cosmochimica Acta, 2011, 75, 3815-3838.	3.9	248
74	High-temperature inter-mineral magnesium isotope fractionation in mantle xenoliths from the North China craton. Earth and Planetary Science Letters, 2011, 308, 131-140.	4.4	104
75	Geochemical contrasts between early Cretaceous ore-bearing and ore-barren high-Mg adakites in central-eastern China: Implications for petrogenesis and Cuâ€“Au mineralization. Geochimica Et Cosmochimica Acta, 2010, 74, 7160-7178.	3.9	286
76	Investigation of magnesium isotope fractionation during granite differentiation: Implication for Mg isotopic composition of the continental crust. Earth and Planetary Science Letters, 2010, 297, 646-654.	4.4	150