

Sheng-Ao

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72
papers

3,180
citations

29
h-index

56
g-index

78
ext. papers

3,906
ext. citations

4.6
avg, IF

5.5
L-index

#	Paper	IF	Citations
72	Assembly of the Lhasa and Qiangtang terranes in central Tibet by divergent double subduction. <i>Lithos</i> , 2016 , 245, 7-17	2.9	321
71	Geochemical contrasts between early Cretaceous ore-bearing and ore-barren high-Mg adakites in central-eastern China: Implications for petrogenesis and Cu-Au mineralization. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 7160-7178	5.5	243
70	Magmatic record of India-Asia collision. <i>Scientific Reports</i> , 2015 , 5, 14289	4.9	212
69	Post-collisional granitoids from the Dabie orogen: New evidence for partial melting of a thickened continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3815-3838	5.5	200
68	Investigation of magnesium isotope fractionation during granite differentiation: Implication for Mg isotopic composition of the continental crust. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 646-654	5.3	125
67	Northward subduction of Bangong-Nujiang Tethys: Insight from Late Jurassic intrusive rocks from Bangong Tso in western Tibet. <i>Lithos</i> , 2014 , 205, 284-297	2.9	117
66	High-precision copper and iron isotope analysis of igneous rock standards by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 122-133	3.7	115
65	Magnesium Isotopic Compositions of International Geological Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2015 , 39, 329-339	3.6	112
64	Contrasting zircon Hf δ isotopes and trace elements between ore-bearing and ore-barren adakitic rocks in central-eastern China: Implications for genetic relation to Cu-Au mineralization. <i>Lithos</i> , 2013 , 156-159, 97-111	2.9	111
63	Zinc isotope evidence for a large-scale carbonated mantle beneath eastern China. <i>Earth and Planetary Science Letters</i> , 2016 , 444, 169-178	5.3	98
62	Copper isotopic composition of the silicate Earth. <i>Earth and Planetary Science Letters</i> , 2015 , 427, 95-103	5.3	86
61	Zinc isotope fractionation during mantle melting and constraints on the Zn isotope composition of Earth's upper mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 198, 151-167	5.5	86
60	High-temperature inter-mineral magnesium isotope fractionation in mantle xenoliths from the North China craton. <i>Earth and Planetary Science Letters</i> , 2011 , 308, 131-140	5.3	86
59	Copper and iron isotope fractionation during weathering and pedogenesis: Insights from saprolite profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 146, 59-75	5.5	82
58	The Cretaceous adakitic-basaltic-granitic magma sequence on south-eastern margin of the North China Craton: Implications for lithospheric thinning mechanism. <i>Lithos</i> , 2012 , 134-135, 163-178	2.9	60
57	Zinc isotope evidence for intensive magmatism immediately before the end-Permian mass extinction. <i>Geology</i> , 2017 , 45, 343-346	5	59
56	Mg, Sr, and O isotope geochemistry of syenites from northwest Xinjiang, China: Tracing carbonate recycling during Tethyan oceanic subduction. <i>Chemical Geology</i> , 2016 , 437, 109-119	4.2	57

55	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. <i>Chemical Geology</i> , 2016 , 445, 24-35	4.2	52
54	Copper isotope fractionation during adsorption onto kaolinite: Experimental approach and applications. <i>Chemical Geology</i> , 2015 , 396, 74-82	4.2	48
53	Cu isotopes reveal initial Cu enrichment in sources of giant porphyry deposits in a collisional setting. <i>Geology</i> , 2019 , 47, 135-138	5	39
52	Late Jurassic sodium-rich adakitic intrusive rocks in the southern Qiangtang terrane, central Tibet, and their implications for the Bangong-Nujiang Ocean subduction. <i>Lithos</i> , 2016 , 245, 34-46	2.9	39
51	Zircon U/Pb ages, Hf/D ₂ O isotopes and trace elements of Mesozoic high Sr/Y porphyries from Ningzhen, eastern China: Constraints on their petrogenesis, tectonic implications and Cu mineralization. <i>Lithos</i> , 2014 , 200-201, 299-316	2.9	39
50	Eocene magmatic processes and crustal thickening in southern Tibet: Insights from strongly fractionated ca. 43Ma granites in the western Gangdese Batholith. <i>Lithos</i> , 2015 , 239, 128-141	2.9	34
49	Copper and zinc isotope systematics of altered oceanic crust at IODP Site 1256 in the eastern equatorial Pacific. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 7086-7100	3.6	33
48	Compositional transition in natural alkaline lavas through silica-undersaturated melt-lithosphere interaction. <i>Geology</i> , 2018 , 46, 771-774	5	33
47	Copper isotope fractionation during sulfide-magma differentiation in the Tulaergen magmatic Ni-Cu deposit, NW China. <i>Lithos</i> , 2017 , 286-287, 206-215	2.9	31
46	Iron isotopic compositions of adakitic and non-adakitic granitic magmas: Magma compositional control and subtle residual garnet effect. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 203, 89-102	5.5	30
45	Magnesium isotopic composition of the deep continental crust. <i>American Mineralogist</i> , 2016 , 101, 243-252	2.9	30
44	Cu and Zn isotope fractionation during oceanic alteration: Implications for Oceanic Cu and Zn cycles. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 257, 191-205	5.5	29
43	Origin of the Miocene porphyries and their mafic microgranular enclaves from Dabu porphyry Cu-Mo deposit, southern Tibet: implications for magma mixing/mingling and mineralization. <i>International Geology Review</i> , 2014 , 56, 571-595	2.3	26
42	Tracing the Deep Carbon Cycle Using Metal Stable Isotopes: Opportunities and Challenges. <i>Engineering</i> , 2019 , 5, 448-457	9.7	25
41	Zinc and strontium isotope evidence for climate cooling and constraints on the Frasnian-Famennian (~372 Ma) mass extinction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018 , 498, 68-82	2.9	25
40	Cadmium Isotope Ratios of Standard Solutions and Geological Reference Materials Measured by MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2018 , 42, 593-605	3.6	24
39	Magnesium isotopic heterogeneity across the cratonic lithosphere in eastern China and its origins. <i>Earth and Planetary Science Letters</i> , 2016 , 451, 77-88	5.3	22
38	Generation of leucogranites via fractional crystallization: A case from the Late Triassic Luoza batholith in the Lhasa Terrane, southern Tibet. <i>Gondwana Research</i> , 2019 , 66, 63-76	5.1	22

37	Copper isotopic signature of the Tiegelongnan high-sulfidation copper deposit, Tibet: implications for its origin and mineral exploration. <i>Mineralium Deposita</i> , 2016 , 51, 591-602	4.8	21
36	The origin and evolution of low- $\delta^{18}\text{O}$ magma recorded by multi-growth zircons in granite. <i>Earth and Planetary Science Letters</i> , 2013 , 373, 233-241	5.3	21
35	Zn-Sr isotope records of the Ediacaran Doushantuo Formation in South China: diagenesis assessment and implications. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 239, 330-345	5.5	20
34	Redox reactions control Cu and Fe isotope fractionation in a magmatic Ni-Cu mineralization system. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 249, 42-58	5.5	19
33	Fractionation of Mg isotopes by clay formation and calcite precipitation in groundwater with long residence times in a sandstone aquifer, Ordos Basin, China. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 237, 261-274	5.5	19
32	Copper isotope behavior during extreme magma differentiation and degassing: a case study on Laacher See phonolite tephra (East Eifel, Germany). <i>Contributions To Mineralogy and Petrology</i> , 2016 , 171, 1	3.5	18
31	Geochronology and geochemistry of leucogranites from the southeast margin of the North China Block: Origin and migration. <i>Gondwana Research</i> , 2014 , 26, 1111-1128	5.1	18
30	Basaltic and Solution Reference Materials for Iron, Copper and Zinc Isotope Measurements. <i>Geostandards and Geoanalytical Research</i> , 2019 , 43, 163-175	3.6	18
29	Transition From Low-K to High-K Calc-Alkaline Magmatism at Approximately 84 Ma in the Eastern Pontides (NE Turkey): Magmatic Response to Slab Rollback of the Black Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 7604-7628	3.6	18
28	Zinc Isotope Constraints on Recycled Oceanic Crust in the Mantle Sources of the Emeishan Large Igneous Province. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 12537-12555	3.6	16
27	Zinc isotopic compositions of migmatites and granitoids from the Dabie Orogen, central China: Implications for zinc isotopic fractionation during differentiation of the continental crust. <i>Lithos</i> , 2019 , 324-325, 454-465	2.9	16
26	Extreme Mg and Zn isotope fractionation recorded in the Himalayan leucogranites. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 278, 305-321	5.5	16
25	Copper and zinc isotope fractionation during deposition and weathering of highly metalliferous black shales in central China. <i>Chemical Geology</i> , 2016 , 422, 82	4.2	15
24	Calibrating NIST SRM 683 as a new international reference standard for Zn isotopes. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1777-1783	3.7	15
23	Mg and Zn Isotope Evidence for Two Types of Mantle Metasomatism and Deep Recycling of Magnesium Carbonates. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB020684	3.6	14
22	Zinc, cadmium and sulfur isotope fractionation in a supergiant MVT deposit with bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 265, 1-18	5.5	12
21	Contrasting zinc isotopic fractionation in two mafic-rock weathering profiles induced by adsorption onto Fe (hydr)oxides. <i>Chemical Geology</i> , 2020 , 539, 119504	4.2	12
20	Copper isotopic compositions of the Zijinshan high-sulfidation epithermal Cu-Au deposit, South China: Implications for deposit origin. <i>Ore Geology Reviews</i> , 2017 , 83, 191-199	3.2	10

19	Felsic volcanism as a factor driving the end-Permian mass extinction. <i>Science Advances</i> , 2021 , 7, eabh13904.3	8
18	Oxidation of the deep big mantle wedge by recycled carbonates: Constraints from highly siderophile elements and osmium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 295, 207-223	5.5 7
17	Antimony isotope fractionation in hydrothermal systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 306, 84-97	5.5 7
16	Zinc isotopic behavior of mafic rocks during continental deep subduction. <i>Geoscience Frontiers</i> , 2021 , 12, 101182	6 7
15	Evolution of Intraplate Alkaline to Tholeiitic Basalts via Interaction Between Carbonated Melt and Lithospheric Mantle. <i>Journal of Petrology</i> , 2021 , 62,	3.9 6
14	Zinc isotope fractionation between Cr-spinel and olivine and its implications for chromite crystallization during magma differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 313, 277-294	5.5 6
13	High-Precision Measurement of Stable Cr Isotopes in Geological Reference Materials by a Double-Spike TIMS Method. <i>Geostandards and Geoanalytical Research</i> , 2019 , 43, 647-661	3.6 4
12	The fate of subducting carbon tracked by Mg and Zn isotopes: A review and new perspectives. <i>Earth-Science Reviews</i> , 2022 , 228, 104010	10.2 4
11	Tracing carbonate dissolution in subducting sediments by zinc and magnesium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2022 , 319, 56-72	5.5 3
10	Magnesium and zinc isotopic anomaly of Cenozoic lavas in central Myanmar: Origins and implications for deep carbon recycling. <i>Lithos</i> , 2021 , 386-387, 106011	2.9 3
9	Molybdenum isotope tracing petrogenesis of adakitic rocks and associated ore-forming process. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 300, 296-317	5.5 2
8	Contrasting fates of subducting carbon related to different oceanic slabs in East Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2022 , 324, 156-173	5.5 2
7	Zinc isotope evidence for carbonate alteration of oceanic crustal protoliths of cratonic eclogites. <i>Earth and Planetary Science Letters</i> , 2022 , 580, 117394	5.3 1
6	Copper Isotope Fractionation during Basalt Leaching at 25 °C and pH = 0.3, 2. <i>Journal of Earth Science (Wuhan, China)</i> , 2022 , 33, 82-91	2.2 1
5	Cu and Zn Isotopic Evidence for the Magnitude of Organic Burial in the Mesoproterozoic Ocean. <i>Journal of Earth Science (Wuhan, China)</i> , 2022 , 33, 92-99	2.2 1
4	Carbonated Big Mantle Wedge Extending to the NE Edge of the Stagnant Pacific Slab: Constraints from Late Mesozoic-Cenozoic Basalts from Far Eastern Russia. <i>Journal of Earth Science (Wuhan, China)</i> , 2022 , 33, 121-132	2.2 1
3	Zinc isotopic systematics of the Mt. Baekdu and Jeju Island intraplate basalts in Korea, and implications for mantle source lithologies. <i>Lithos</i> , 2022 , 416-417, 106659	2.9 1
2	Chromium isotope fractionation during magmatic processes: Evidence from mid-ocean ridge basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2022 , 327, 79-95	5.5 0

- 1 Initial Cu enrichment in sources of giant porphyry deposits revealed by Cu isotopes. *Acta Geologica Sinica*, **2019**, 93, 255-256 0.7