# Sheng-Ao

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 76 papers | 4,684 citations | 109311 35 h-index | 95259 68 g-index |
| 78 all docs | 78 docs citations | 78 times ranked | 2193 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Assembly of the Lhasa and Qiangtang terranes in central Tibet by divergent double subduction. Lithos, 2016, 245, 7-17. | 1.4 | 432 |
| 2 | Magmatic record of India-Asia collision. Scientific Reports, 2015, 5, 14289. | 3.3 | 316 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Magnesium Isotopic Compositions of International Geological Reference Materials. Geostandards and Geoanalytical Research, 2015, 39, 329-339. | 3.1 | 149 |
| 8 | 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 |
| 9 | Zinc isotope evidence for a large-scale carbonated mantle beneath eastern China. Earth and Planetary Science Letters, 2016, 444, 169-178. | 4.4 | 140 |
| 10 | 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 |
| 11 | 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 |
| 12 | Copper isotopic composition of the silicate Earth. Earth and Planetary Science Letters, 2015, 427, 95-103. | 4.4 | 127 |
| 13 | Copper and iron isotope fractionation during weathering and pedogenesis: Insights from saprolite profiles. Geochimica Et Cosmochimica Acta, 2014, 146, 59-75. | 3.9 | 116 |
| 14 | 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 |
| 15 | Zinc isotope evidence for intensive magmatism immediately before the end-Permian mass extinction. Geology, 2017, 45, 343-346. | 4.4 | 90 |
| 16 | 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 |
| 17 | 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 |
| 18 | Copper isotope fractionation during adsorption onto kaolinite: Experimental approach and applications. Chemical Geology, 2015, 396, 74-82. | 3.3 | 68 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Cu isotopes reveal initial Cu enrichment in sources of giant porphyry deposits in a collisional setting. Geology, 2019, 47, 135-138. | 4.4 | 65 |
| 21 | Felsic volcanism as a factor driving the end-Permian mass extinction. Science Advances, 2021, 7, eabh1390. | 10.3 | 63 |
| 22 | Compositional transition in natural alkaline lavas through silica-undersaturated meltâ€“lithosphere interaction. Geology, 2018, 46, 771-774. | 4.4 | 62 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Tracing the Deep Carbon Cycle Using Metal Stable Isotopes: Opportunities and Challenges. Engineering, 2019, 5, 448-457. | 6.7 | 52 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Magnesium isotopic composition of the deep continental crust. American Mineralogist, 2016, 101, 243-252. | 1.9 | 42 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 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 | 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 |
| 38 | 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 |
| 39 | Extreme Mg and Zn isotope fractionation recorded in the Himalayan leucogranites. Geochimica Et Cosmochimica Acta, 2020, 278, 305-321. | 3.9 | 31 |
| 40 | Antimony isotope fractionation in hydrothermal systems. Geochimica Et Cosmochimica Acta, 2021, 306, 84-97. | 3.9 | 31 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Basaltic and Solution Reference Materials for Iron, Copper and Zinc Isotope Measurements. Geostandards and Geoanalytical Research, 2019, 43, 163-175. | 3.1 | 29 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Zinc, cadmium and sulfur isotope fractionation in a supergiant MVT deposit with bacteria. Geochimica Et Cosmochimica Acta, 2019, 265, 1-18. | 3.9 | 25 |
| 51 | 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 |
| 52 | Evolution of Intraplate Alkaline to Tholeiitic Basalts via Interaction Between Carbonated Melt and Lithospheric Mantle. Journal of Petrology, 2021, 62, . | 2.8 | 25 |
| 53 | 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 |
| 54 | 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 |

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| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Zinc isotopic behavior of mafic rocks during continental deep subduction. Geoscience Frontiers, 2021, 12, 101182. | 8.4 | 16 |
| 60 | 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 |
| 61 | Contrasting fates of subducting carbon related to different oceanic slabs in East Asia. Geochimica Et Cosmochimica Acta, 2022, 324, 156-173. | 3.9 | 15 |
| 62 | 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 |
| 63 | Probing recycled carbonate in the lower mantle. National Science Review, 2022, 9, . | 9.5 | 11 |
| 64 | 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 |
| 65 | 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 |
| 66 | Tracing carbonate dissolution in subducting sediments by zinc and magnesium isotopes. Geochimica Et Cosmochimica Acta, 2022, 319, 56-72. | 3.9 | 10 |
| 67 | Linking deep CO2 outgassing to cratonic destruction. National Science Review, 2022, 9, . | 9.5 | 9 |
| 68 | Zinc isotope evidence for carbonate alteration of oceanic crustal protoliths of cratonic eclogites. Earth and Planetary Science Letters, 2022, 580, 117394. | 4.4 | 8 |
| 69 | 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 |
| 70 | Chromium isotope fractionation during magmatic processes: Evidence from mid-ocean ridge basalts. Geochimica Et Cosmochimica Acta, 2022, 327, 79-95. | 3.9 | 7 |
| 71 | Molybdenum isotope tracing petrogenesis of adakitic rocks and associated ore-forming process. Geochimica Et Cosmochimica Acta, 2021, 300, 296-317. | 3.9 | 6 |
| 72 | 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 |

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|---|---|---|---|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Initial Cu enrichment in sources of giant porphyry deposits revealed by Cu isotopes. Acta Geologica Sinica, 2019, 93, 255-256. | 1.4 | 0 |