

Jingao Liu

List of Publications by Year in descending order

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56
papers

1,749
citations

304743

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276875

41
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56
all docs

56
docs citations

56
times ranked

1339
citing authors

#	ARTICLE	IF	CITATIONS
1	The subantarctic lithospheric mantle. <i>Geological Society Memoir</i> , 2023, 56, 115-132.	1.7	2
2	2D Functional Minerals as Sustainable Materials for Magneto-Optics. <i>Advanced Materials</i> , 2022, 34, e2110464.	21.0	26
3	Linking deep CO ₂ outgassing to cratonic destruction. <i>National Science Review</i> , 2022, 9, .	9.5	9
4	Early Permian magmatism above a slab window in Inner Mongolia, North China: Implications for the Paleo-Asian Ocean subduction processes and accretionary crustal growth. <i>Solid Earth Sciences</i> , 2022, 7, 87-103.	1.7	3
5	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.	3.2	7
6	Permian Remelting and Maturity of Continental Crust Revealed by the Daqing Peraluminous Granitic Batholith, Inner Mongolia. <i>Lithosphere</i> , 2022, 2022, .	1.4	0
7	Contrasting fates of subducting carbon related to different oceanic slabs in East Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 324, 156-173.	3.9	15
8	New insights into the mantle source of a large igneous province from highly siderophile element and Sr-Nd-Os isotope compositions of carbonate-rich ultramafic lamprophyres. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 77-96.	3.9	1
9	Nickel isotopic evidence for late-stage accretion of Mercury-like differentiated planetary embryos. <i>Nature Communications</i> , 2021, 12, 294.	12.8	16
10	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.	3.9	15
11	Late Carboniferous to Early Permian ridge subduction identified in the southeastern Central Asian Orogenic Belt: Implications for the architecture and growth of continental crust in accretionary orogens. <i>Lithos</i> , 2021, 384-385, 105969.	1.4	8
12	Plume-driven reocratonization of deep continental lithospheric mantle. <i>Nature</i> , 2021, 592, 732-736.	27.8	57
13	Age and provenance of the lithospheric mantle beneath the Chidliak kimberlite province, southern Baffin Island: Implications for the evolution of the North Atlantic Craton. <i>Lithos</i> , 2021, 390-391, 106124.	1.4	3
14	Deep continental roots and cratons. <i>Nature</i> , 2021, 596, 199-210.	27.8	93
15	Modification of Lithospheric Mantle by Melts/Fluids With Different Sulfur Fugacities During the Wilson Cycle: Insights From Lesvos and Global Ophiolitic Peridotites. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022445.	3.4	9
16	Osmium isotopes in peridotite xenoliths reveal major mid-Proterozoic lithosphere formation under the Transantarctic Mountains. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 312, 25-43.	3.9	6
17	Dating post-Archean lithospheric mantle: Insights from Re-Os and Lu-Hf isotopic systematics of the Cameroon Volcanic Line peridotites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 177-198.	3.9	19
18	JULOC: A local 3-D high-resolution crustal model in South China for forecasting geoneutrino measurements at JUNO. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 299, 106409.	1.9	9

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19	Initiation of the North China Craton destruction: Constraints from the diamond-bearing alkaline basalts from Lan'gan, China. <i>Gondwana Research</i> , 2020, 80, 228-243.	6.0	10
20	Sulfide in dunite channels reflects long-distance reactive migration of mid-ocean-ridge melts from mantle source to crust: A Re-Os isotopic perspective. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115969.	4.4	19
21	Architecture and evolution of the lithospheric roots beneath circum-cratonic orogenic beltsâ€”The Xing'an Mongolia Orogenic Belt and its relationship with adjacent North China and Siberian cratonic roots. <i>Lithos</i> , 2020, 376-377, 105798.	1.4	3
22	Sulfide Aggregation in Ophiolitic Dunite Channels Explains Osâ€”isotope Mismatch between Oceanic Crust and Mantle. <i>Acta Geologica Sinica</i> , 2020, 94, 66-66.	1.4	0
23	Corrigendum to â€œSulfide in dunite channels reflects long-distance reactive migration of mid-ocean-ridge melts from mantle source to crust: A Re-Os isotopic perspectiveâ€•[<i>Earth Planet. Sci. Lett.</i> 531 (2020) 115969]. <i>Earth and Planetary Science Letters</i> , 2020, 535, 116136.	4.4	2
24	The complex life cycle of oceanic lithosphere: A study of Yarlung-Zangbo ophiolitic peridotites, Tibet. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 175-191.	3.9	41
25	The evolution of the Kaapvaal craton: A multi-isotopic perspective from lithospheric peridotites from Finsch diamond mine. <i>Precambrian Research</i> , 2019, 331, 105380.	2.7	9
26	Thinning and destruction of the lithospheric mantle root beneath the North China Craton: A review. <i>Earth-Science Reviews</i> , 2019, 196, 102873.	9.1	124
27	The Metasomatized Mantle beneath the North Atlantic Craton: Insights from Peridotite Xenoliths of the Chidliak Kimberlite Province (NE Canada). <i>Journal of Petrology</i> , 2019, 60, 1991-2024.	2.8	14
28	Continent stabilisation by lateral accretion of subduction zone-processed depleted mantle residues; insights from Zealandia. <i>Earth and Planetary Science Letters</i> , 2019, 507, 175-186.	4.4	50
29	Age and composition of the subcontinental lithospheric mantle beneath the Xing'anâ€”Mongolia Orogenic Belt: Implications for the construction of microcontinents during accretionary orogenesis. <i>Lithos</i> , 2019, 326-327, 556-571.	1.4	10
30	High-precision tungsten isotopic measurement by negative thermal ionization mass spectrometry (NTIMS). <i>Acta Petrologica Sinica</i> , 2019, 35, 606-616.	0.8	1
31	A reconnaissance view of tungsten reservoirs in some crustal and mantle rocks: Implications for interpreting W isotopic compositions and crust-mantle W cycling. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 300-318.	3.9	16
32	Petrogenesis and tectonics of the Acasta Gneiss Complex derived from integrated petrology and ¹⁴² Nd and ¹⁸² W extinct nuclide-geochemistry. <i>Earth and Planetary Science Letters</i> , 2018, 494, 12-22.	4.4	53
33	Cratons, kimberlites and diamonds: selected papers of the 11th International Kimberlite Conference. <i>Mineralogy and Petrology</i> , 2018, 112, 1-3.	1.1	6
34	Lateral H ₂ O variation in the Zealandia lithospheric mantle controls orogen width. <i>Earth and Planetary Science Letters</i> , 2018, 502, 200-209.	4.4	15
35	Mantle composition, age and geotherm beneath the Darby kimberlite field, west central Rae Craton. <i>Mineralogy and Petrology</i> , 2018, 112, 57-70.	1.1	9
36	Diamondiferous Paleoproterozoic mantle roots beneath Arctic Canada: A study of mantle xenoliths from Parry Peninsula and Central Victoria Island. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 284-311.	3.9	14

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37	Diffusion-zoned pyroxenes in an isotopically heterogeneous mantle lithosphere beneath the Dunedin Volcanic Group, New Zealand, and their implications for intraplate alkaline magma sources. <i>Lithosphere</i> , 2017, 9, 463-475.	1.4	30
38	Rhenium-osmium isotopes and highly siderophile elements in ultramafic rocks from the Eoarchean Saglek Block, northern Labrador, Canada: implications for Archean mantle evolution. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 286-311.	3.9	20
39	Precise and accurate Re ¹⁸⁷ /Os isotope dating of organic-rich sedimentary rocks by thermal ionization mass spectrometry with an improved H ₂ O ₂ -HNO ₃ digestion procedure. <i>International Journal of Mass Spectrometry</i> , 2017, 421, 263-270.	1.5	14
40	GGR Biennial Critical Review: Analytical Developments Since 2014. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 493-562.	3.1	11
41	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.	3.9	135
42	Mantle depletion and metasomatism recorded in orthopyroxene in highly depleted peridotites. <i>Chemical Geology</i> , 2016, 441, 280-291.	3.3	44
43	Widespread tungsten isotope anomalies and W mobility in crustal and mantle rocks of the Eoarchean Saglek Block, northern Labrador, Canada: Implications for early Earth processes and W recycling. <i>Earth and Planetary Science Letters</i> , 2016, 448, 13-23.	4.4	51
44	Age and evolution of the deep continental root beneath the central Rae craton, northern Canada. <i>Precambrian Research</i> , 2016, 272, 168-184.	2.7	29
45	The longevity of Archean mantle residues in the convecting upper mantle and their role in young continent formation. <i>Earth and Planetary Science Letters</i> , 2015, 424, 109-118.	4.4	64
46	Copper isotopic composition of the silicate Earth. <i>Earth and Planetary Science Letters</i> , 2015, 427, 95-103.	4.4	127
47	In search of late-stage planetary building blocks. <i>Chemical Geology</i> , 2015, 411, 125-142.	3.3	61
48	Diverse impactors in Apollo 15 and 16 impact melt rocks: Evidence from osmium isotopes and highly siderophile elements. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 155, 122-153.	3.9	32
49	Reassessment of Hydrofluoric Acid Desilicification in the Carius Tube Digestion Technique for Re ¹⁸⁷ /Os Isotopic Determination in Geological Samples. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 17-30.	3.1	52
50	Big insights from tiny peridotites: Evidence for persistence of Precambrian lithosphere beneath the eastern North China Craton. <i>Tectonophysics</i> , 2015, 650, 104-112.	2.2	25
51	Characterization of the dominant impactor signature for Apollo 17 impact melt rocks. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 62-80.	3.9	29
52	Rapid, precise and accurate Os isotope ratio measurements of nanogram to sub-nanogram amounts using multiple Faraday collectors and amplifiers equipped with 10 ¹² Ω resistors by N-TIMS. <i>Chemical Geology</i> , 2014, 363, 301-311.	3.3	49
53	New insights into the Hadean mantle revealed by 182W and highly siderophile element abundances of supracrustal rocks from the Nuvvuagittuq Greenstone Belt, Quebec, Canada. <i>Chemical Geology</i> , 2014, 383, 63-75.	3.3	67
54	Comparative Sr ⁸⁷ /Nd ¹⁴³ /Hf ¹⁷⁷ /Os ¹⁸⁷ /Pb isotope systematics of xenolithic peridotites from Yangyuan, North China Craton: Additional evidence for a Paleoproterozoic age. <i>Chemical Geology</i> , 2012, 332-333, 1-14.	3.3	22

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55	Mapping lithospheric boundaries using Os isotopes of mantle xenoliths: An example from the North China Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3881-3902.	3.9	118
56	Processes controlling highly siderophile element fractionations in xenolithic peridotites and their influence on Os isotopes. <i>Earth and Planetary Science Letters</i> , 2010, 297, 287-297.	4.4	75