

Zhiguo Cheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Perovskite and baddeleyite from kimberlitic intrusions in the Tarim large igneous province signal the onset of an end-Carboniferous mantle plume. <i>Earth and Planetary Science Letters</i> , 2013, 361, 238-248.	1.8	99
2	Decoupling of Mg- ¹³ C and Sr- ¹³⁶ Nd- ¹⁸ O isotopes traces the role of recycled carbon in magnesiocarbonatites from the Tarim Large Igneous Province. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 202, 159-178.	1.6	55
3	Giant radiating mafic dyke swarm of the Emeishan Large Igneous Province: Identifying the mantle plume centre. <i>Terra Nova</i> , 2015, 27, 247-257.	0.9	50
4	Early Paleozoic magmatic record from the northern margin of the Tarim Craton: Further insights on the evolution of the Central Asian Orogenic Belt. <i>Gondwana Research</i> , 2015, 28, 328-347.	3.0	49
5	Subducted slab-plume interaction traced by magnesium isotopes in the northern margin of the Tarim Large Igneous Province. <i>Earth and Planetary Science Letters</i> , 2018, 489, 100-110.	1.8	45
6	Petrogenesis of nephelinites from the Tarim Large Igneous Province, NW China: Implications for mantle source characteristics and plume-lithosphere interaction. <i>Lithos</i> , 2015, 220-223, 164-178.	0.6	44
7	Carboniferous porphyry Cu-Au deposits in the Almalyk orefield, Uzbekistan: the Sarycheku and Kalmakyr examples. <i>International Geology Review</i> , 2018, 60, 1-20.	1.1	37
8	Late Permian basalts in the northwestern margin of the Emeishan Large Igneous Province: Implications for the origin of the Songpan-Ganzi terrane. <i>Lithos</i> , 2016, 256-257, 75-87.	0.6	27
9	The role of magmatic and post-magmatic hydrothermal processes on rare-earth element mineralization: A study of the Bachu carbonatites from the Tarim Large Igneous Province, NW China. <i>Lithos</i> , 2018, 314-315, 71-87.	0.6	27
10	Factors controlling the crystal morphology and chemistry of garnet in skarn deposits: A case study from the Cuihongshan polymetallic deposit, Lesser Xing'an Range, NE China. <i>American Mineralogist</i> , 2019, 104, 1455-1468.	0.9	27
11	New Insights for the Formation of Kiruna-Type Iron Deposits by Immiscible Hydrous Fe-P Melt and High-Temperature Hydrothermal Processes: Evidence from El Laco Deposit. <i>Economic Geology</i> , 2019, 114, 35-46.	1.8	27
12	Zircon U-Pb ages and Hf-O isotopic signatures of the Wajilitag and Puchang Fe-Ti oxide-bearing intrusive complexes: Constraints on their source characteristics and temporal-spatial evolution of the Tarim large igneous province. <i>Gondwana Research</i> , 2016, 37, 71-85.	3.0	26
13	Carbonate- and silicate-rich globules in the kimberlitic rocks of northwestern Tarim large igneous province, NW China: Evidence for carbonated mantle source. <i>Journal of Asian Earth Sciences</i> , 2014, 95, 114-135.	1.0	21
14	Petrogenesis and metallogenesis of the Wajilitag and Puchang Fe-Ti oxide-rich intrusive complexes, northwestern Tarim Large Igneous Province. <i>Lithos</i> , 2018, 304-307, 412-435.	0.6	20
15	Highly differentiated magmas linked with polymetallic mineralization: A case study from the Cuihongshan granitic intrusions, Lesser Xing'an Range, NE China. <i>Lithos</i> , 2018, 302-303, 158-177.	0.6	20
16	Petrogenesis of the Zhangmatun gabbro in the Jiâ€™nan complex, North China Craton: Implications for skarn-type iron mineralization. <i>Journal of Asian Earth Sciences</i> , 2015, 113, 1197-1217.	1.0	17
17	Magnesium isotopic composition of continental arc andesites and the implications: A case study from the El Laco volcanic complex, Chile. <i>Lithos</i> , 2018, 318-319, 91-103.	0.6	17
18	Late Carboniferous to early Permian partial melting of the metasedimentary rocks and crustal reworking in the Central Asian Orogenic Belt: Evidence from garnet-bearing rhyolites in the Chinese South Tianshan. <i>Lithos</i> , 2017, 282-283, 373-387.	0.6	14

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19	Highly differentiated juvenile crust-derived magmas linked with the Xilekuduke porphyry Mo (Cu) deposit in East Junggar, NW China. <i>Ore Geology Reviews</i> , 2019, 115, 103103.	1.1	13
20	Petrogenesis of the Bashisuogong bimodal igneous complex in southwest Tianshan Mountains, China: Implications for the Tarim Large Igneous Province. <i>Lithos</i> , 2016, 264, 509-523.	0.6	12
21	Crustal evolution in the South Tianshan Terrane: Constraints from detrital zircon geochronology and implications for continental growth in the Central Asian Orogenic Belt. <i>Geological Journal</i> , 2019, 54, 1379-1400.	0.6	12
22	Geochemistry and zircon U–Pb geochronology of the oxidaban intrusive complex: Implication for Paleozoic tectonic evolution of the South Tianshan Orogenic Belt, China. <i>Lithos</i> , 2019, 324-325, 265-279.	0.6	10
23	Petrogenesis of Transitional Large Igneous Province: Insights From Bimodal Volcanic Suite in the Tarim Large Igneous Province. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018382.	1.4	10
24	Geochemical and O–Sr–Nd Isotopic Constraints on the Petrogenetic Link between Aillikites and Carbonatites in the Tarim Large Igneous Province. <i>Journal of Petrology</i> , 2021, 62, .	1.1	10
25	Petrogenesis of gabbroic intrusions in the Valerianov-Beltau-Kurama magmatic arc, Uzbekistan: The role of arc maturity controlling the generation of giant porphyry Cu–Au deposits. <i>Lithos</i> , 2018, 320-321, 75-92.	0.6	9
26	Constraints of Fe-O isotopes on the origin of magnetite in the El Laco Kiruna-type iron deposit, Chile. <i>Ore Geology Reviews</i> , 2021, 130, 103967.	1.1	8
27	Interstitial microstructures in Ji'nan mafic intrusion, North China Craton: magmatic or hydrothermal origin?. <i>European Journal of Mineralogy</i> , 2017, 29, 839-850.	0.4	6
28	Hisingerite in Trachydacite from Tarim: Implications for Voluminous Felsic Rocks in Transitional Large Igneous Province. <i>Journal of Earth Science (Wuhan, China)</i> , 2020, 31, 875-883.	1.1	6
29	Compositions of olivine from the Wajilitag mafic-ultramafic intrusion of the Permian Tarim Large Igneous Province, NW China: Insights into recycled pyroxenite in a peridotite mantle source. <i>Journal of Asian Earth Sciences</i> , 2019, 171, 9-19.	1.0	5
30	Olivine from aillikites in the Tarim large igneous province as a window into mantle metasomatism and multi-stage magma evolution. <i>American Mineralogist</i> , 2021, 106, 1064-1076.	0.9	5
31	Palaeogene Sediment-hosted Pb–Zn deposits in SE Asia: the Uragen example. <i>International Geology Review</i> , 2017, 59, 2065-2077.	1.1	3
32	Comparative Geothermometry in High-Mg Magmas from the Etendeka Province and Constraints on their Mantle Source. <i>Journal of Petrology</i> , 2019, 60, 2509-2528.	1.1	3
33	Platinum group elements in gabbroic intrusions from the Valerianov–Beltau–Kurama arc: Implications for genesis of the Kalmakyr porphyry Cu–Au deposit. <i>Geological Journal</i> , 2021, 56, 46-59.	0.6	2
34	Ultramafic xenoliths from aillikites in the Tarim large igneous province: Implications for Alaskan-type affinity and role of subduction. <i>Lithos</i> , 2021, 380-381, 105902.	0.6	2
35	Mantle source of tephritic porphyry in the Tarim Large Igneous Province constrained from Mg, Zn, Sr, and Nd isotope systematics: Implications for deep carbon cycling. <i>Bulletin of the Geological Society of America</i> , 0, .	1.6	2
36	Phonotephrite and phonolite in the Tarim Large Igneous Province, northwestern China: Petrological, geochemical and isotopic evidence for contrasting mantle sources and deep carbon recycling. <i>Journal of Asian Earth Sciences</i> , 2021, 217, 104842.	1.0	2

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37	Petrogenesis of Early Permian basalts in the Turpan-Hami basin, NW China: Implications for the spatial limits of the Tarim mantle plume. <i>Journal of Asian Earth Sciences</i> , 2022, 226, 105097.	1.0	2
38	Petrogenesis of an Early Permian bimodal intermediate-â€f felsic suite in the East Junggar in Central Asian Orogenic Belt and tectonic implications. <i>Geological Journal</i> , 2021, 56, 547-571.	0.6	1
39	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.	1.6	1