Zhiguo Cheng

List of Publications by Year
in descending order

39	746	516710 16	552781 26
papers	citations	h-index	g-index

39	39	39	526
all docs	docs citations	times ranked	citing authors

#	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. Earth and Planetary Science Letters, 2013, 361, 238-248.	4.4	99
2	Decoupling of Mgâ€“C and Srâ€“Ndâ€“O isotopes traces the role of recycled carbon in magnesiocarbonatites from the Tarim Large Igneous Province. Geochimica Et Cosmochimica Acta, 2017, 202, 159-178.	3.9	55
3	Giant radiating mafic dyke swarm of the Emeishan Large Igneous Province: Identifying the mantle plume centre. Terra Nova, 2015, 27, 247-257.	2.1	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. Gondwana Research, 2015, 28, 328-347.	6.0	49
5	Subducted slab-plume interaction traced by magnesium isotopes in the northern margin of the Tarim Large Igneous Province. Earth and Planetary Science Letters, 2018, 489, 100-110.	4.4	45
6	Petrogenesis of nephelinites from the Tarim Large Igneous Province, NW China: Implications for mantle source characteristics and plumeâ€“lithosphere interaction. Lithos, 2015, 220-223, 164-178.	1.4	44
7	Carboniferous porphyry Cuâ€“Au deposits in the Almalyk orefield, Uzbekistan: the Sarycheku and Kalmakyr examples. International Geology Review, 2018, 60, 1-20.	2.1	37
8	Late Permian basalts in the northwestern margin of the Emeishan Large Igneous Province: Implications for the origin of the Songpan-Ganzi terrane. Lithos, 2016, 256-257, 75-87.	1.4	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. Lithos, 2018, 314-315, 71-87.	1.4	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. American Mineralogist, 2019, 104, 1455-1468.	1.9	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. Economic Geology, 2019, 114, 35-46.	3.8	27
12	Zircon Uâ€“Pb ages and Hfâ€“O isotopic signatures of the Wajilitag and Puchang Feâ€“Ti oxideâ€“bearing intrusive complexes: Constraints on their source characteristics and temporalâ€–spatial evolution of the Tarim large igneous province. Gondwana Research, 2016, 37, 71-85.	6.0	26
13	Carbonate- and silicate-rich globules in the kimberlitic rocks of northwestern Tarim large igneous province, NW China: Evidence for carbonated mantle source. Journal of Asian Earth Sciences, 2014, 95, 114-135.	2.3	21
14	Petrogenesis and metallogenesis of the Wajilitag and Puchang Fe-Ti oxide-rich intrusive complexes, northwestern Tarim Large Igneous Province. Lithos, 2018, 304-307, 412-435.	1.4	20
15	Highly differentiated magmas linked with polymetallic mineralization: A case study from the Cuihongshan granitic intrusions, Lesser Xing'an Range, NE China. Lithos, 2018, 302-303, 158-177.	1.4	20
16	Petrogenesis of the Zhangmatun gabbro in the Jiâ€™nan complex, North China Craton: Implications for skarn-type iron mineralization. Journal of Asian Earth Sciences, 2015, 113, 1197-1217.	2.3	17
17	Magnesium isotopic composition of continental arc andesites and the implications: A case study from the El Laco volcanic complex, Chile. Lithos, 2018, 318-319, 91-103.	1.4	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. Lithos, 2017, 282-283, 373-387.	1.4	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. Ore Geology Reviews, 2019, 115, 103103.	2.7	13
20	Petrogenesis of the Bashisuogong bimodal igneous complex in southwest Tianshan Mountains, China: Implications for the Tarim Large Igneous Province. Lithos, 2016, 264, 509-523.	1.4	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. Geological Journal, 2019, 54, 1379-1400.	1.3	12
22	Geochemistry and zircon Uâ€“Pb geochronology of the oxidaban intrusive complex: Implication for Paleozoic tectonic evolution of the South Tianshan Orogenic Belt, China. Lithos, 2019, 324-325, 265-279.	1.4	10
23	Petrogenesis of Transitional Large Igneous Province: Insights From Bimodal Volcanic Suite in the Tarim Large Igneous Province. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018382.	3.4	10
24	Geochemical and Oâ€“Câ€“Srâ€“Nd Isotopic Constraints on the Petrogenetic Link between Aillikites and Carbonatites in the Tarim Large Igneous Province. Journal of Petrology, 2021, 62, .	2.8	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 Cuâ€”Au deposits. Lithos, 2018, 320-321, 75-92.	1.4	9
26	Constraints of Fe-O isotopes on the origin of magnetite in the El Laco Kiruna-type iron deposit, Chile. Ore Geology Reviews, 2021, 130, 103967.	2.7	8
27	Interstitial microstructures in Ji'nan mafic intrusion, North China Craton: magmatic or hydrothermal origin?. European Journal of Mineralogy, 2017, 29, 839-850.	1.3	6
28	Hisingerite in Trachydacite from Tarim: Implications for Voluminous Felsic Rocks in Transitional Large Igneous Province. Journal of Earth Science (Wuhan, China), 2020, 31, 875-883.	3.2	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. Journal of Asian Earth Sciences, 2019, 171, 9-19.	2.3	5
30	Olivine from aillikites in the Tarim large igneous province as a window into mantle metasomatism and multi-stage magma evolution. American Mineralogist, 2021, 106, 1064-1076.	1.9	5
31	Palaeogene Sediment-hosted Pbâ€“Zn deposits in SE Asia: the Uragen example. International Geology Review, 2017, 59, 2065-2077.	2.1	3
32	Comparative Geothermometry in High-Mg Magmas from the Etendeka Province and Constraints on their Mantle Source. Journal of Petrology, 2019, 60, 2509-2528.	2.8	3
33	Platinum group elements in gabbroic intrusions from the <scp>Valerianovâ€Beltauâ€Kurama</scp> arc: Implications for genesis of the Kalmakyr porphyry Cuâ€“Au deposit. Geological Journal, 2021, 56, 46-59.	1.3	2
34	Ultramafic xenoliths from aillikites in the Tarim large igneous province: Implications for Alaskan-type affinity and role of subduction. Lithos, 2021, 380-381, 105902.	1.4	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. Bulletin of the Geological Society of America, 0, , .	3.3	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. Journal of Asian Earth Sciences, 2021, 217, 104842.	2.3	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. Journal of Asian Earth Sciences, 2022, 226, 105097.	2.3	2
38	Petrogenesis of an Early Permian bimodal intermediateâ€felsic suite in the East Junggar in Central Asian Orogenic Belt and tectonic implications. Geological Journal, 2021, 56, 547-571.	1.3	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. Geochimica Et Cosmochimica Acta, 2022, 326, 77-96.	3.9	1