

Guo-Liang Zhang

List of Publications by Year in descending order

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623734

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all docs

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docs citations

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times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical constraints on mantle source nature and recycling of subducted sediments in the Sulu Sea. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100005.	3.2	12
2	Origin of high-Mg arc volcanism and fate of subducted sedimentary carbonates in the western Pacific: Evidence from partial melting experiments on mixed sediment and peridotite. <i>Geological Journal</i> , 2022, 57, 425-439.	1.3	1
3	Geochemical constraints on source nature and recycled oceanic crust in the mantle of the Celebes Sea. <i>Lithos</i> , 2022, 418-419, 106685.	1.4	1
4	Constraints of barium isotopes on recycling of ancient oceanic crust in the mantle of the South China Sea. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 429, 107608.	2.1	4
5	Subduction of the paleo-Pacific plate recorded by arc volcanism in the South China Sea margin. <i>Gondwana Research</i> , 2022, 110, 58-72.	6.0	5
6	Sub-basin scale inhomogeneity of mantle in the South China Sea revealed by magnesium isotopes. <i>Science Bulletin</i> , 2021, 66, 740-748.	9.0	9
7	Genesis of Intermediate and Silicic Arc Magmas Constrained by Nb/Ta Fractionation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020708.	3.4	12
8	Origin of arc-like intraplate volcanism by melting of lithospheric mantle pyroxenite of the South China continental margin. <i>Lithos</i> , 2021, 396-397, 106236.	1.4	5
9	Potassium isotopic composition of low-temperature altered oceanic crust and its impact on the global K cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 311, 59-73.	3.9	20
10	Recycling of carbon from the stagnant paleo-Pacific slab beneath Eastern China revealed by olivine geochemistry. <i>Lithos</i> , 2021, 398-399, 106249.	1.4	3
11	Iron isotope constraints on the lithological heterogeneity of the upper mantle in the South China Sea. <i>Journal of Asian Earth Sciences</i> , 2021, 220, 104934.	2.3	3
12	Post-spreading volcanism triggered by CO ₂ along the South China Sea fossil spreading axis. <i>Lithos</i> , 2021, 404-405, 106478.	1.4	1
13	Evidence for the essential role of CO ₂ in the volcanism of the waning Caroline mantle plume. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 391-407.	3.9	14
14	Geochemical constraints on CO ₂ -rich mantle source for the Kocebu Seamount, Magellan Seamount chain in the western Pacific. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 1201-1214.	1.3	3
15	Application of calcite, Mg-calcite, and dolomite as Raman pressure sensors for high-pressure, high-temperature studies. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1248-1259.	2.5	6
16	Geochemical and chronological evidence for collision of proto-Yap arc/Caroline plateau and rejuvenated plate subduction at Yap trench. <i>Lithos</i> , 2020, 370-371, 105616.	1.4	9
17	Geochemical and chronological constraints on the mantle plume origin of the Caroline Plateau. <i>Chemical Geology</i> , 2020, 540, 119566.	3.3	23
18	Geochemical and Geochronological Constraints on the Origin and Emplacement of the East Taiwan Ophiolite. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 2110-2133.	2.5	12

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19	Geochemical nature of sub-ridge mantle and opening dynamics of the South China Sea. <i>Earth and Planetary Science Letters</i> , 2018, 489, 145-155.	4.4	98
20	Mantle Source and Magmatic Evolution of the Dying Spreading Ridge in the South China Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4385-4399.	2.5	28
21	Control of subduction rate on Tonga-Kermadec arc magmatism. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 687-699.	1.3	2
22	Evolution of carbonated melt to alkali basalt in the South China Sea. <i>Nature Geoscience</i> , 2017, 10, 229-235.	12.9	100
23	Magnesium isotopic variation of oceanic island basalts generated by partial melting and crustal recycling. <i>Earth and Planetary Science Letters</i> , 2017, 463, 127-135.	4.4	79
24	Interactions of the Greater Ontong Java mantle plume component with the Osbourn Trough. <i>Scientific Reports</i> , 2016, 6, 37561.	3.3	15
25	Compositional and temperature variations of the Pacific upper mantle since the Cretaceous. <i>Acta Oceanologica Sinica</i> , 2016, 35, 19-25.	1.0	14
26	Seismic stratigraphy of the central South China Sea basin and implications for neotectonics. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1377-1399.	3.4	155
27	Introduction to tectonics and sedimentation of Southeast Asian continental margin and marginal seas. <i>Marine Geophysical Researches</i> , 2015, 36, 99-100.	1.2	0
28	Ages and magnetic structures of the South China Sea constrained by deep tow magnetic surveys and IODP Expedition 349. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4958-4983.	2.5	419
29	Seafloor basalt alteration and chemical change in the ultra thin sedimented South Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3066-3080.	2.5	28
30	Genesis of anhydrite in hydrothermally altered basalt from the East Pacific Rise near 13°N. <i>Acta Oceanologica Sinica</i> , 2013, 32, 12-17.	1.0	3
31	Mantle dynamics and generation of a geochemical mantle boundary along the East Pacific Rise Pacific/Antarctic ridge. <i>Earth and Planetary Science Letters</i> , 2013, 383, 153-163.	4.4	16
32	Geochemical constraints on a mixed pyroxenite-peridotite source for East Pacific Rise basalts. <i>Chemical Geology</i> , 2012, 330-331, 176-187.	3.3	29
33	Geochemistry of basalts from IODP site U1365: Implications for magmatism and mantle source signatures of the mid-Cretaceous Osbourn Trough. <i>Lithos</i> , 2012, 144-145, 73-87.	1.4	21
34	Geochemical and isotopic characteristics of volcanic rocks from the northern East China Sea shelf margin and the Okinawa Trough. <i>Acta Oceanologica Sinica</i> , 2010, 29, 48-61.	1.0	37
35	Elemental and isotopic compositions of the hydrothermal sulfide on the East Pacific Rise near 13°N. <i>Science China Earth Sciences</i> , 2010, 53, 253-266.	5.2	14
36	Genesis of ²³⁰ Th excess in basalts from mid-ocean ridges and ocean islands: Constraints from the global U-series isotope database and major and rare earth element geochemistry. <i>Science China Earth Sciences</i> , 2010, 53, 1486-1494.	5.2	0

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37	Magma mixing in upper mantle: Evidence from high Mg# olivine hosted melt inclusions in MORBs near East Pacific Rise 13°N. <i>Science Bulletin</i> , 2010, 55, 1643-1656.	1.7	5
38	Generation and evolution of magma beneath the East Pacific Rise: Constraints from U-series disequilibrium and plagioclase-hosted melt inclusions. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 193, 1-17.	2.1	14
39	Element enrichment and U-series isotopic characteristics of the hydrothermal sulfides at Jade site in the Okinawa Trough. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 913-924.	0.9	10
40	Talc-bearing serpentinized peridotites from the southern Mariana forearc: implications for aseismic character within subduction zones. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 667-673.	0.7	3
41	Trace element composition of peridotites from the southern Mariana forearc: Insights into the geochemical effects of serpentinization and/or seafloor weathering. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 985-992.	0.7	3
42	Deep Fractionation of Clinopyroxene in the East Pacific Rise 13°N: Evidence from High MgO MORB and Melt Inclusions. <i>Acta Geologica Sinica</i> , 2009, 83, 266-277.	1.4	14
43	Formation of Fe-oxyhydroxides from the East Pacific Rise near latitude 13°N: Evidence from mineralogical and geochemical data. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 206-215.	0.9	17
44	Periodical mixing of MORB magmas near East Pacific Rise 13°N: evidence from modeling and zoned plagioclase phenocrysts. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 1786-1801.	0.9	6
45	Geochemical anomalies of hydrothermal plume at EPR 13°N. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1433-1440.	0.9	2
46	Origin of a native sulfur chimney in the Kueishantao hydrothermal field, offshore northeast Taiwan. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1746-1753.	0.9	28