Peng Gao

List of Publications by Year
in descending order

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33 papers	1,345 citations	471509 17 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	1603 citing authors

#	Article	IF	Citations
1	Experimental melts from crustal rocks: A lithochemical constraint on granite petrogenesis. Lithos, 2016, 266-267, 133-157.	1.4	196
2	Bismuth antimicrobial drugs serve as broad-spectrum metallo-Î²-lactamase inhibitors. Nature Communications, 2018, 9, 439.	12.8	169
3	HKOCl-3: a fluorescent hypochlorous acid probe for live-cell and in vivo imaging and quantitative application in flow cytometry and a 96-well microplate assay. Chemical Science, 2016, 7, 2094-2099.	7.4	134
4	Triassic granites in South China: A geochemical perspective on their characteristics, petrogenesis, and tectonic significance. Earth-Science Reviews, 2017, 173, 266-294.	9.1	120
5	Distinction between S-type and peraluminous I-type granites: Zircon versus whole-rock geochemistry. Lithos, 2016, 258-259, 77-91.	1.4	109
6	The source of Mesozoic granitoids in South China: Integrated geochemical constraints from the Taoshan batholith in the Nanling Range. Chemical Geology, 2015, 395, 11-26.	3.3	97
7	Petrogenesis of Triassic granites from the Nanling Range in South China: Implications for geochemical diversity in granites. Lithos, 2014, 210-211, 40-56.	1.4	68
8	The anatectic effect on the zircon Hf isotope composition of migmatites and associated granites. Lithos, 2015, 238, 174-184.	1.4	49
9	Suppression of Staphylococcus aureus virulence by a small-molecule compound. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8003-8008.	7.1	49
10	Natural products triptolide, celastrol, and withaferin A inhibit the chaperone activity of peroxiredoxin I. Chemical Science, 2015, 6, 4124-4130.	7.4	43
11	The production of granitic magmas through crustal anatexis at convergent plate boundaries. Lithos, 2021, 402-403, 106232.	1.4	43
12	Dehydrosqualene Desaturase as a Novel Target for Anti-Virulence Therapy againstStaphylococcus aureus. MBio, 2017, 8, .	4.1	37
13	A discovery of novel Mycobacterium tuberculosis pantothenate synthetase inhibitors based on the molecular mechanism of actinomycin D inhibition. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3943-3946.	2.2	24
14	Identification and validation of a novel lead compound targeting 4-diphosphocytidyl-2-C-methylerythritol synthetase (IspD) of mycobacteria. European Journal of Pharmacology, 2012, 694, 45-52.	3.5	23
15	Miocene high-temperature leucogranite magmatism in the Himalayan orogen. Bulletin of the Geological Society of America, 2021, 133, 679-690.	3.3	20
16	Magma mixing in granite petrogenesis: Insights from biotite inclusions in quartz and feldspar of Mesozoic granites from South China. Journal of Asian Earth Sciences, 2016, 123, 142-161.	2.3	18
17	Mixing of Felsic Magmas in Granite Petrogenesis: Geochemical Records of Zircon and Garnet in Peraluminous Granitoids From South China. Journal of Geophysical Research: Solid Earth, 2018, 123, 2738-2769.	3.4	18
18	The Effects of Source Mixing and Fractional Crystallization on the Composition of Eocene Granites in the Himalayan Orogen. Journal of Petrology, 2021, 62, .	2.8	16

#	Article	IF	Citations
19	Relict zircon U-Pb age and O isotope evidence for reworking of Neoproterozoic crustal rocks in the origin of Triassic S-type granites in South China. Lithos, 2018, 300-301, 261-277.	1.4	15
20	Crustal thickening and continental formation in the Neoarchean: Geochemical records by granitoids from the Taihua Complex in the North China Craton. Precambrian Research, 2021, 367, 106446.	2.7	15
21	The Origin of Garnets in Anatectic Rocks from the Eastern Himalayan Syntaxis, Southeastern Tibet: Constraints from Major and Trace Element Zoning and Phase Equilibrium Relationships. Journal of Petrology, 2019, 60, 2241-2280.	2.8	13
22	Preferential dissolution of uranium-rich zircon can bias the hafnium isotope compositions of granites. Geology, 2022, 50, 336-340.	4.4	12
23	Construction of a Multiplex Promoter Reporter Platform to Monitor Staphylococcus aureus Virulence Gene Expression and the Identification of Usnic Acid as a Potent Suppressor of psm Gene Expression. Frontiers in Microbiology, 2016, 7, 1344.	3.5	10
24	Origin of peraluminous A-type granites from appropriate sources at moderate to low pressures and high temperatures. Lithos, 2020, 352-353, 105287.	1.4	9
25	Broad and Effective Protection against Staphylococcus aureus Is Elicited by a Multivalent Vaccine Formulated with Novel Antigens. MSphere, 2019, 4, .	2.9	7
26	The effect of crystal fractionation on the geochemical composition of syn-exhumation magmas: Implication for the formation of high Î56Fe granites in collisional orogens. Geochimica Et Cosmochimica Acta, 2022, 332, 156-185.	3.9	7
27	Geochemistry and petrogenesis of ca. 2.1ÂGa meta-mafic rocks in the central Jiaoâ€“Liaoâ€“Ji Belt, North China Craton: A consequence of intracontinental rifting or subduction?. Precambrian Research, 2022, 370, 106553.	2.7	6
28	Whole-rock geochemical and zircon Hfâ€“O isotopic constraints on the origin of granitoids and their mafic enclaves from the Triassic Mishuling pluton in West Qinling, central China. Journal of Asian Earth Sciences, 2020, 189, 104136.	2.3	4
29	The compositional variation of I-type granites: Constraints from geochemical analyses and phase equilibrium calculations for granites from the Qinling orogen, central China. Journal of Asian Earth Sciences, 2020, 200, 104471.	2.3	4
30	Screening Repurposed Antiviral Small Molecules as Antimycobacterial Compounds by a Lux-Based phoP Promoter-Reporter Platform. Antibiotics, 2022, 11, 369.	3.7	3
31	Antivirulence Agent as an Adjuvant of Î²-Lactam Antibiotics in Treating Staphylococcal Infections. Antibiotics, 2022, 11, 819.	3.7	3
32	A cell-based screening system for detection of inhibitors toward mycobacterial cell wall core. Journal of Antibiotics, 2009, 62, 315-318.	2.0	2
33	Petrogenesis of newly identified Neoarchean granitoids in the Qingyuan of NE China: Implications on crustal growth and reworking of the North China Craton. Journal of Asian Earth Sciences, 2022, 236, 105333.	2.3	2