Ren-Qiang Liao

List of Publications by Year
in descending order

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53	3,608	186265	182427
papers	citations	28 h-index	51 g-index

55	55	55	2206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The golden transformation of the Cretaceous plate subduction in the west Pacific. Earth and Planetary Science Letters, 2007, 262, 533-542.	4.4	666
2	Release of gold-bearing fluids in convergent margin magmas prompted by magnetite crystallization. Nature, 2004, 431, 975-978.	27.8	293
3	Ridge subduction and porphyry copper-gold mineralization: An overview. Science China Earth Sciences, 2010, 53, 475-484.	5.2	264
4	Deep carbon cycles constrained by a large-scale mantle Mg isotope anomaly in eastern China. National Science Review, 2017, 4, 111-120.	9.5	240
5	The genetic association of adakites and Cuâ€“Au ore deposits. International Geology Review, 2011, 53, 691-703.	2.1	202
6	Mesozoic large magmatic events and mineralization in SE China: oblique subduction of the Pacific plate. International Geology Review, 2011, 53, 704-726.	2.1	178
7	Partitioning of Nb and Ta between rutile and felsic melt and the fractionation of Nb/Ta during partial melting of hydrous metabasalt. Geochimica Et Cosmochimica Acta, 2011, 75, 1673-1692.	3.9	143
8	Enhanced mantle-to-crust rhenium transfer in undegassed arc magmas. Nature, 2003, 422, 294-297.	27.8	131
9	Different origins of adakites from the Dabie Mountains and the Lower Yangtze River Belt, eastern China: geochemical constraints. International Geology Review, 2011, 53, 727-740.	2.1	123
10	Geochemical and zircon Uâ€“Pb study of the Huangmeijian A-type granite: implications for geological evolution of the Lower Yangtze River belt. International Geology Review, 2011, 53, 499-525.	2.1	90
11	Initiation and evolution of the South China Sea: an overview. Acta Geochimica, 2016, 35, 215-225.	1.7	88
12	Accuracy of LA-ICPMS zircon U-Pb age determination: An inter-laboratory comparison. Science China Earth Sciences, 2015, 58, 1722-1730.	5.2	80
13	Evidence for rhenium enrichment in the mantle wedge from submarine arcâ€“like volcanic glasses (Papua New Guinea). Geology, 2003, 31, 845.	4.4	76
14	The mechanism of Re enrichment in arc magmas: evidence from Lau Basin basaltic glasses and primitive melt inclusions. Earth and Planetary Science Letters, 2004, 222, 101-114.	4.4	75
15	Large-scale gold mineralization in eastern China induced by an Early Cretaceous clockwise change in Pacific plate motions. International Geology Review, 2013, 55, 311-321.	2.1	71
16	The formation of porphyry copper deposits. Acta Geochimica, 2017, 36, 9-15.	1.7	71
17	Natural and experimental constraints on formation of the continental crust based on niobiumâ€“tantalum fractionation. International Geology Review, 2009, 51, 473-501.	2.1	65
18	Sea surface temperature records in the northern South China Sea from midâ€Holocene coral Sr/Ca ratios. Paleoceanography, 2007, 22, .	3.0	61

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19	Indosinian isotope ages of plutons and deposits in southwestern Miaoershan-Yuechengling, northeastern Guangxi and implications on Indosinian mineralization in South China. Science Bulletin, 2012, 57, 1024-1035.	1.7	58
20	Preliminary Characterisation of New Reference Materials for Microanalysis: Chinese Geological Standard Glasses CGSG-1, CGSG-2, CGSG-4 and CGSG-5. Geostandards and Geoanalytical Research, 2011, 35, 235-251.	3.1	55
21	Petrology, geochemistry, and tectonic significance of Mesozoic shoshonitic volcanic rocks, Luzong volcanic basin, eastern China. International Geology Review, 2012, 54, 714-736.	2.1	53
22	Major transition of continental basalts in the Early Cretaceous: Implications for the destruction of the North China Craton. Chemical Geology, 2017, 470, 93-106.	3.3	51
23	Fractionation of Cu and Mo isotopes caused by vapor-liquid partitioning, evidence from the Dahutang W-Cu-Mo ore field. Geochemistry, Geophysics, Geosystems, 2016, 17, 1725-1739.	2.5	39
24	Mysterious abrupt carbon-14 increase in coral contributed by a comet. Scientific Reports, 2014, 4, 3728.	3.3	32
25	SHRIMP zircon U-Pb dating from K-bentonite in the top of Ordovician of Wangjiawan Section, Yichang, Hubei, China. Science in China Series D: Earth Sciences, 2008, 51, 493-498.	0.9	31
26	Slab break-off model for the Triassic syn-collisional granites in the Qinling orogenic belt, Central China: Zircon U-Pb age and Hf isotope constraints. International Geology Review, 2015, 57, 492-507.	2.1	31
27	Emplacement age of the Songshugou ultramafic massif in the Qinling orogenic belt, and geologic implications. International Geology Review, 2009, 51, 58-76.	2.1	29
28	Petrogenesis and tectonic implications of late Mesozoic granitoids in southern Anhui Province, southeastern China. International Geology Review, 2017, 59, 1804-1826.	2.1	29
29	Enhanced net formations of nitrous oxide and methane underneath the frozen soil in Sanjiang wetland, northeastern China. Journal of Geophysical Research, 2007, 112, .	3.3	27
30	Early Cretaceous adakitic rocks in the Anqing region, southeastern China: constraints on petrogenesis and metallogenic significance. International Geology Review, 2018, 60, 1435-1452.	2.1	25
31	Zircon U-Pb ages of granites at Changba and Huangzhuguan in western Qinling and implications for source nature. Science Bulletin, 2011, 56, 659-669.	1.7	22
32	The Magma Engine and the driving force of plate tectonics. Chinese Science Bulletin, 2019, 64, 2988-3006.	0.7	21
33	High-precision analysis of Sr/Ca and Mg/Ca ratios in corals by laser ablationinductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 84-87.	3.0	19
34	Biogenic nitric oxide emission from saline sodic soils in a semiarid region, northeastern China: A laboratory study. Journal of Geophysical Research, 2008, 113, .	3.3	18
35	The fate of subducted oceanic crust: a mineral segregation model. International Geology Review, 2011, 53, 879-893.	2.1	18
36	The genetic association of adakites and Cuâ€“Au ore deposits': a reply. International Geology Review, 2012, 54, 370-372.	2.1	16

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37	Subduction and ore deposits. International Geology Review, 2015, 57, iii-vi.	2.1	16
38	Olivine versus peridotite during serpentinization: Gas formation. Science China Earth Sciences, 2015, 58, 2165-2174.	5.2	16
39	Sample Preparation and X-Ray Fluorescence Analysis of Sulfide Ores. Analytical Letters, 2014, 47, 1598-1605.	1.8	15
40	STUDY ON THE PROVENANCE OF XICUN QINGBAI WARES FROM THE NORTHERN SONG DYNASTY OF CHINA. Archaeometry, 2012, 54, 475-488.	1.3	13
41	The H2/CH4 ratio during serpentinization cannot reliably identify biological signatures. Scientific Reports, 2016, 6, 33821.	3.3	13
42	Rhenium enrichment in the northwest Pacific arc. Ore Geology Reviews, 2019, 115, 103176.	2.7	9
43	The fluxes and controlling factors of N2O and CH4 emissions from freshwater marsh in Northeast China. Science China Earth Sciences, 2010, 53, 700-709.	5.2	8
44	The Middleâ€“Lower Yangtze Metallogenic Belt. International Geology Review, 2011, 53, 447-448.	2.1	8
45	Nondestructive rare earth element imaging of fish teeth from deep-sea sediments. X-Ray Spectrometry, 2015, 44, 442-446.	1.4	6
46	New data on the evolution of the Tanâ€“Lu fault belt: constraints from geologicalâ€“geophysical surveys in the southern segment. International Geology Review, 2012, 54, 1562-1578.	2.1	5
47	Channelized fluids in subducted continental crust: constraints from Î´Dâ€“Î´18O of quartz and fluid inclusions in quartz veins from the Chinese Continental Scientific Drilling Project. International Geology Review, 2011, 53, 1443-1463.	2.1	2
48	Seasonal ¹⁴C and Sr/Ca Records of a Modern Coral around Daya Bay Nuclear Power Plants. Radiocarbon, 2017, 59, 1035-1046.	1.8	2
49	Late Ordovician mass extinction caused by global warming or cooling?. Acta Geochimica, 2020, 39, 595-598.	1.7	2
50	Spectral study on feldspar thermoluminescence process. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 225-231.	0.2	1
51	A novel mass spectrometry system for helium-4 measurement. Journal of Earth Science (Wuhan,) Tj ETQq1 1 0.784314 rgBT /Overloc	3.2	1
52	Thermoluminescence signal in K-feldspar grains: Revisited. Applied Radiation and Isotopes, 2015, 105, 80-87.	1.5	0
53	Progress in Methodology of Low Temperature Thermochronometry. Acta Geologica Sinica, 2016, 90, 1927-1928.	1.4	0