

# Ren-Qiang Liao

## List of Publications by Year in descending order

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53  
papers

3,608  
citations

186265

28  
h-index

182427

51  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Ordovician mass extinction caused by global warming or cooling?. <i>Acta Geochimica</i> , 2020, 39, 595-598.	1.7	2
2	Rhenium enrichment in the northwest Pacific arc. <i>Ore Geology Reviews</i> , 2019, 115, 103176.	2.7	9
3	The Magma Engine and the driving force of plate tectonics. <i>Chinese Science Bulletin</i> , 2019, 64, 2988-3006.	0.7	21
4	Early Cretaceous adakitic rocks in the Anqing region, southeastern China: constraints on petrogenesis and metallogenic significance. <i>International Geology Review</i> , 2018, 60, 1435-1452.	2.1	25
5	Petrogenesis and tectonic implications of late Mesozoic granitoids in southern Anhui Province, southeastern China. <i>International Geology Review</i> , 2017, 59, 1804-1826.	2.1	29
6	Seasonal <sup>14</sup> C and Sr/Ca Records of a Modern Coral around Daya Bay Nuclear Power Plants. <i>Radiocarbon</i> , 2017, 59, 1035-1046.	1.8	2
7	Deep carbon cycles constrained by a large-scale mantle Mg isotope anomaly in eastern China. <i>National Science Review</i> , 2017, 4, 111-120.	9.5	240
8	Major transition of continental basalts in the Early Cretaceous: Implications for the destruction of the North China Craton. <i>Chemical Geology</i> , 2017, 470, 93-106.	3.3	51
9	The formation of porphyry copper deposits. <i>Acta Geochimica</i> , 2017, 36, 9-15.	1.7	71
10	Fractionation of Cu and Mo isotopes caused by vapor-liquid partitioning, evidence from the Dahutang W-Cu-Mo ore field. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1725-1739.	2.5	39
11	Progress in Methodology of Low Temperature Thermochronometry. <i>Acta Geologica Sinica</i> , 2016, 90, 1927-1928.	1.4	0
12	The H <sub>2</sub> /CH <sub>4</sub> ratio during serpentinization cannot reliably identify biological signatures. <i>Scientific Reports</i> , 2016, 6, 33821.	3.3	13
13	Initiation and evolution of the South China Sea: an overview. <i>Acta Geochimica</i> , 2016, 35, 215-225.	1.7	88
14	Nondestructive rare earth element imaging of fish teeth from deep-sea sediments. <i>X-Ray Spectrometry</i> , 2015, 44, 442-446.	1.4	6
15	Subduction and ore deposits. <i>International Geology Review</i> , 2015, 57, iii-vi.	2.1	16
16	Olivine versus peridotite during serpentinization: Gas formation. <i>Science China Earth Sciences</i> , 2015, 58, 2165-2174.	5.2	16
17	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. <i>International Geology Review</i> , 2015, 57, 492-507.	2.1	31
18	Thermoluminescence signal in K-feldspar grains: Revisited. <i>Applied Radiation and Isotopes</i> , 2015, 105, 80-87.	1.5	0

#	ARTICLE	IF	CITATIONS
19	Accuracy of LA-ICPMS zircon U-Pb age determination: An inter-laboratory comparison. <i>Science China Earth Sciences</i> , 2015, 58, 1722-1730.	5.2	80
20	Sample Preparation and X-Ray Fluorescence Analysis of Sulfide Ores. <i>Analytical Letters</i> , 2014, 47, 1598-1605.	1.8	15
21	Mysterious abrupt carbon-14 increase in coral contributed by a comet. <i>Scientific Reports</i> , 2014, 4, 3728.	3.3	32
22	Large-scale gold mineralization in eastern China induced by an Early Cretaceous clockwise change in Pacific plate motions. <i>International Geology Review</i> , 2013, 55, 311-321.	2.1	71
23	A novel mass spectrometry system for helium-4 measurement. <i>Journal of Earth Science (Wuhan)</i> , 2013, 32, 1073-1077.	3.2	1
24	Petrology, geochemistry, and tectonic significance of Mesozoic shoshonitic volcanic rocks, Luzong volcanic basin, eastern China. <i>International Geology Review</i> , 2012, 54, 714-736.	2.1	53
25	The genetic association of adakites and Cu-Au ore deposits: a reply. <i>International Geology Review</i> , 2012, 54, 370-372.	2.1	16
26	STUDY ON THE PROVENANCE OF XICUN QINGBAI WARES FROM THE NORTHERN SONG DYNASTY OF CHINA. <i>Archaeometry</i> , 2012, 54, 475-488.	1.3	13
27	New data on the evolution of the Tan-Lu fault belt: constraints from geological-geophysical surveys in the southern segment. <i>International Geology Review</i> , 2012, 54, 1562-1578.	2.1	5
28	Indosinian isotope ages of plutons and deposits in southwestern Miaoershan-Yuechengling, northeastern Guangxi and implications on Indosinian mineralization in South China. <i>Science Bulletin</i> , 2012, 57, 1024-1035.	1.7	58
29	Mesozoic large magmatic events and mineralization in SE China: oblique subduction of the Pacific plate. <i>International Geology Review</i> , 2011, 53, 704-726.	2.1	178
30	The Middle-Lower Yangtze Metallogenic Belt. <i>International Geology Review</i> , 2011, 53, 447-448.	2.1	8
31	The genetic association of adakites and Cu-Au ore deposits. <i>International Geology Review</i> , 2011, 53, 691-703.	2.1	202
32	Different origins of adakites from the Dabie Mountains and the Lower Yangtze River Belt, eastern China: geochemical constraints. <i>International Geology Review</i> , 2011, 53, 727-740.	2.1	123
33	Partitioning of Nb and Ta between rutile and felsic melt and the fractionation of Nb/Ta during partial melting of hydrous metabasalt. <i>Geochimica et Cosmochimica Acta</i> , 2011, 75, 1673-1692.	3.9	143
34	Preliminary Characterisation of New Reference Materials for Microanalysis: Chinese Geological Standard Glasses CGSG-1, CGSG-2, CGSG-4 and CGSG-5. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 235-251.	3.1	55
35	Zircon U-Pb ages of granites at Changba and Huangzhuguan in western Qinling and implications for source nature. <i>Science Bulletin</i> , 2011, 56, 659-669.	1.7	22
36	Channelized fluids in subducted continental crust: constraints from $\delta^{18}O$ of quartz and fluid inclusions in quartz veins from the Chinese Continental Scientific Drilling Project. <i>International Geology Review</i> , 2011, 53, 1443-1463.	2.1	2

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37	The fate of subducted oceanic crust: a mineral segregation model. <i>International Geology Review</i> , 2011, 53, 879-893.	2.1	18
38	Geochemical and zircon U-Pb study of the Huangmeijian A-type granite: implications for geological evolution of the Lower Yangtze River belt. <i>International Geology Review</i> , 2011, 53, 499-525.	2.1	90
39	The fluxes and controlling factors of N <sub>2</sub> O and CH <sub>4</sub> emissions from freshwater marsh in Northeast China. <i>Science China Earth Sciences</i> , 2010, 53, 700-709.	5.2	8
40	Ridge subduction and porphyry copper-gold mineralization: An overview. <i>Science China Earth Sciences</i> , 2010, 53, 475-484.	5.2	264
41	High-precision analysis of Sr/Ca and Mg/Ca ratios in corals by laser ablation inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 84-87.	3.0	19
42	Emplacement age of the Songshugou ultramafic massif in the Qinling orogenic belt, and geologic implications. <i>International Geology Review</i> , 2009, 51, 58-76.	2.1	29
43	Natural and experimental constraints on formation of the continental crust based on niobium-tantalum fractionation. <i>International Geology Review</i> , 2009, 51, 473-501.	2.1	65
44	SHRIMP zircon U-Pb dating from K-bentonite in the top of Ordovician of Wangjiawan Section, Yichang, Hubei, China. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 493-498.	0.9	31
45	Spectral study on feldspar thermoluminescence process. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 225-231.	0.2	1
46	Biogenic nitric oxide emission from saline sodic soils in a semiarid region, northeastern China: A laboratory study. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
47	The golden transformation of the Cretaceous plate subduction in the west Pacific. <i>Earth and Planetary Science Letters</i> , 2007, 262, 533-542.	4.4	666
48	Enhanced net formations of nitrous oxide and methane underneath the frozen soil in Sanjiang wetland, northeastern China. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	27
49	Sea surface temperature records in the northern South China Sea from mid-Holocene coral Sr/Ca ratios. <i>Paleoceanography</i> , 2007, 22, .	3.0	61
50	Release of gold-bearing fluids in convergent margin magmas prompted by magnetite crystallization. <i>Nature</i> , 2004, 431, 975-978.	27.8	293
51	The mechanism of Re enrichment in arc magmas: evidence from Lau Basin basaltic glasses and primitive melt inclusions. <i>Earth and Planetary Science Letters</i> , 2004, 222, 101-114.	4.4	75
52	Enhanced mantle-to-crust rhenium transfer in undegassed arc magmas. <i>Nature</i> , 2003, 422, 294-297.	27.8	131
53	Evidence for rhenium enrichment in the mantle wedge from submarine arc-like volcanic glasses (Papua New Guinea). <i>Geology</i> , 2003, 31, 845.	4.4	76