Zhengrong Wang

List of Publications by Year
in descending order

25 papers	1,501 citations	430874 18 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	1513 citing authors

#	Article	IF	Citations
1	Equilibrium thermodynamics of multiply substituted isotopologues of molecular gases. Geochimica Et Cosmochimica Acta, 2004, 68, 4779-4797.	3.9	279
2	Oxygen isotope equilibrium between eclogite minerals and its constraints on mineral Sm-Nd chronometer. Geochimica Et Cosmochimica Acta, 2002, 66, 625-634.	3.9	182
3	Magnesium isotope fractionation in biogenic and abiogenic carbonates: implications for paleoenvironmental proxies. Quaternary Science Reviews, 2014, 90, 1-21.	3.0	110
4	Rayleigh-based, multi-element coral thermometry: A biomineralization approach to developing climate proxies. Geochimica Et Cosmochimica Acta, 2011, 75, 1920-1932.	3.9	108
5	Partitioning of Ni between olivine and siliceous eclogite partial melt: experimental constraints on the mantle source of Hawaiian basalts. Contributions To Mineralogy and Petrology, 2008, 156, 661-678.	3.1	91
6	Mineral isotope evidence for the contemporaneous process of Mesozoic granite emplacement and gneiss metamorphism in the Dabie orogen. Chemical Geology, 2006, 231, 214-235.	3.3	90
7	Neoproterozoic cap-dolostone deposition in stratified glacial meltwater plume. Earth and Planetary Science Letters, 2014, 404, 22-32.	4.4	71
8	Magnesium-isotope and REE compositions of Lower Ordovician carbonates from eastern Laurentia: Implications for the origin of dolomites and limestones. Chemical Geology, 2013, 356, 64-75.	3.3	66
9	Oxygen and hydrogen isotope geochemistry of gneisses associated with ultrahigh pressure eclogites at Shuanghe in the Dabie Mountains. Contributions To Mineralogy and Petrology, 1999, 134, 52-66.	3.1	64
10	Experimental calibration of Mg isotope fractionation between aragonite and seawater. Geochimica Et Cosmochimica Acta, 2013, 102, 113-123.	3.9	61
11	Geochemical constraints on the origin of Marinoan cap dolostones from Nuccaleena Formation, South Australia. Chemical Geology, 2013, 351, 95-104.	3.3	52
12	Insights into the origin of low-Î´18O basaltic magmas in Hawaii revealed from in situ measurements of oxygen isotope compositions of olivines. Earth and Planetary Science Letters, 2008, 269, 377-387.	4.4	50
13	Oxygen isotope trajectories of crystallizing melts: Insights from modeling and the plutonic record. Geochimica Et Cosmochimica Acta, 2017, 207, 154-184.	3.9	50
14	Carbon concentrations and isotopic ratios of eclogites from the Dabie and Sulu terranes in China. Chemical Geology, 2000, 168, 291-305.	3.3	48
15	Newly discovered Neoproterozoic diamictite and cap carbonate (DCC) couplet in Tarim Craton, NW China: Stratigraphy, geochemistry, and paleoenvironment. Precambrian Research, 2015, 271, 278-294.	2.7	38
16	Oxygen isotope fractionation between aragonite and seawater: Developing a novel kinetic oxygen isotope fractionation model. Geochimica Et Cosmochimica Acta, 2013, 117, 232-251.	3.9	32
17	Oxygen isotope geochemistry of the second HSDP core. Geochemistry, Geophysics, Geosystems, 2003, 4, .	2.5	31
18	Sr and Mg isotope geochemistry of the basal Ediacaran cap limestone sequence of Mongolia: Implications for carbonate diagenesis, mixing of glacial meltwaters, and seawater chemistry in the aftermath of Snowball Earth. Chemical Geology, 2018, 491, 1-13.	3.3	18

#	Article	IF	Citations
19	Oxygen isotope constraints on the origin of high-Cr garnets from kimberlites. Earth and Planetary Science Letters, 2011, 312, 337-347.	4.4	16
20	The influence of temperature and vital effects on magnesium isotope variability in Porites and Astrangia corals. Chemical Geology, 2013, 360-361, 105-117.	3.3	16
21	Zinc regulation of iron uptake and translocation in rice (Oryza sativa L.): Implication from stable iron isotopes and transporter genes. Environmental Pollution, 2022, 297, 118818.	7.5	15
22	Oxygen isotope constraints on the structure and evolution of the Hawaiian Plume. Numerische Mathematik, 2010, 310, 683-720.	1.4	8
23	X-ray diffraction and spectroscopic study of Sr Ca1â^'CO3: Implications for equilibrium Sr2+ incorporation and carbon/oxygen isotope fractionation in aragonite. Geochimica Et Cosmochimica Acta, 2021, 309, 112-134.	3.9	3
24	The Signature of Metasomatized Subcontinental Lithospheric Mantle in the Basaltic Magmatism of the Payenia Volcanic Province, Argentina. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	2
25	Sr-isotope chronology of carbonate rocks: Quantifying the uncertainty of inversion. Stratigraphy & Timescales, 2019, 4, 35-72.	0.5	0