Weifu Guo

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3163966/publications.pdf

Version: 2024-02-01

20 papers	2,438 citations	471509 17 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	2342 citing authors

#	Article	IF	Citations
1	13Câ€“18O bonds in carbonate minerals: A new kind of paleothermometer. Geochimica Et Cosmochimica Acta, 2006, 70, 1439-1456.	3.9	707
2	Methods and limitations of â€˜clumpedâ€™ CO₂ isotope (Î”₄₇) analysis by gasâ€source isotope ratio mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 1318-1329.	1.6	371
3	Isotopic fractionations associated with phosphoric acid digestion of carbonate minerals: Insights from first-principles theoretical modeling and clumped isotope measurements. Geochimica Et Cosmochimica Acta, 2009, 73, 7203-7225.	3.9	224
4	Temperatures of aqueous alteration and evidence for methane generation on the parent bodies of the CM chondrites. Geochimica Et Cosmochimica Acta, 2007, 71, 5565-5575.	3.9	208
5	13C18O clumping in speleothems: Observations from natural caves and precipitation experiments. Geochimica Et Cosmochimica Acta, 2011, 75, 3303-3317.	3.9	158
6	Ocean acidification affects coral growth by reducing skeletal density. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1754-1759.	7.1	156
7	Frontiers of stable isotope geoscience. Chemical Geology, 2014, 372, 119-143.	3.3	99
8	Fluid mixing and the deep biosphere of a fossil Lost City-type hydrothermal system at the Iberia Margin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12036-12041.	7.1	89
9	Dual clumped isotope thermometry resolves kinetic biases in carbonate formation temperatures. Nature Communications, 2020, 11, 4005.	12.8	70
10	Clumped isotope composition of cold-water corals: A role for vital effects?. Geochimica Et Cosmochimica Acta, 2016, 179, 123-141.	3.9	66
11	Kinetic clumped isotope fractionation in the DIC-H2O-CO2 system: Patterns, controls, and implications. Geochimica Et Cosmochimica Acta, 2020, 268, 230-257.	3.9	58
12	Patterns and controls of disequilibrium isotope effects in speleothems: Insights from an isotope-enabled diffusion-reaction model and implications for quantitative thermometry. Geochimica Et Cosmochimica Acta, 2019, 267, 196-226.	3.9	45
13	Large and unexpected enrichment in stratospheric ¹⁶ O ¹³ C ¹⁸ O and its meridional variation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11496-11501.	7.1	37
14	Triple oxygen isotope fractionation in the DIC-H2O-CO2 system: A numerical framework and its implications. Geochimica Et Cosmochimica Acta, 2019, 246, 541-564.	3.9	36
15	Calibration of the dual clumped isotope thermometer for carbonates. Geochimica Et Cosmochimica Acta, 2021, 312, 235-256.	3.9	33
16	Multiple sulfur isotope analysis of volatile organic sulfur compounds and their sulfonium precursors in coastal marine environments. Marine Chemistry, 2011, 124, 78-89.	2.3	32
17	Ocean Acidification Has Impacted Coral Growth on the Great Barrier Reef. Geophysical Research Letters, 2020, 47, e2019GL086761.	4.0	19
18	Seawater temperature and buffering capacity modulate coral calcifying pH. Scientific Reports, 2019, 9, 1189.	3.3	17

#	Article	IF	Citations
19	Stable Isotope Cosmochemistry and the Evolution of Planetary Systems. Elements, 2011, 7, 23-28.	0.5	8
20	Porites Calcifying Fluid pH on Seasonal to Diurnal Scales. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016889.	2.6	5