Sang-Tae Kim

List of Publications by Year
in descending order

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31 papers	3,909 citations	516215 16 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	4431 citing authors

#	Article	IF	Citations
1	No ion is an island: Multiple ions influence boron incorporation into CaCO3. Geochimica Et Cosmochimica Acta, 2022, 318, 510-530.	1.6	11
2	Techniques for measuring carbon and oxygen isotope compositions of atmospheric CO 2 via isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2021, 35, e8995.	0.7	3
3	A stable isotope toolbox for water and inorganic carbon cycle studies. Nature Reviews Earth & Environment, 2021, 2, 699-719.	12.2	7
4	Carbon and oxygen isotope systematics in cave environments: Lessons from an artificial cave â€œMcMaster Caveâ€. Geochimica Et Cosmochimica Acta, 2020, 272, 137-159.	1.6	12
5	Oxygen Isotope Analysis of Saline Solutions by a Carbonic anhydrase-Catalyzed CO₂â€“H₂O Equilibration Method (C³HEM) with an Improved Drying Technique. ACS Earth and Space Chemistry, 2020, 4, 1565-1571.	1.2	2
6	Disordering of 13C18O bonds in CO2 gas over a heated quartz surface at 50â€“1100â€¯Â°C: Insights into the abundance of mass 47 (â‰†47) in CO2 gas at thermodynamic equilibrium. Chemical Geology, 2019, 524, 213-227.	1.4	5
7	Enzymatically catalyzed CO 2 â€H 2 O equilibration for oxygen isotope analyses of aqueous samples. Rapid Communications in Mass Spectrometry, 2019, 33, 1185-1195.	0.7	1
8	Spatial Distribution and Preservation of Carbon Isotope Biosignatures in Freshwater Microbialite Carbonate. ACS Earth and Space Chemistry, 2019, 3, 335-343.	1.2	2
9	Speleothem evidence for the greening of the Sahara and its implications for the early human dispersal out of sub-Saharan Africa. Quaternary Science Reviews, 2018, 188, 67-76.	1.4	34
10	Seasonal trends in calcite-raft precipitation from cenotes Rainbow, Feno and Monkey Dust, Quintana Roo, Mexico: Implications for paleoenvironmental studies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 497, 157-167.	1.0	17
11	Influence of seasonal temperature on tree-ring Î´13C in different-aged temperate pine forests. Forest Ecology and Management, 2018, 419-420, 197-205.	1.4	2
12	1000-Year Quasi-Periodicity of Weak Monsoon Events in Temperate Northeast Asia since the Mid-Holocene. Scientific Reports, 2017, 7, 15196.	1.6	24
13	Calcite raft geochemistry as a hydrological proxy for Holocene aquifer conditions in Hoyo Negro and Ich Balam (Sac Actun Cave System), Quintana Roo, Mexico. Quaternary Science Reviews, 2017, 175, 97-111.	1.4	24
14	Normalization of stable isotope data for carbonate minerals: Implementation of IUPAC guidelines. Geochimica Et Cosmochimica Acta, 2015, 158, 276-289.	1.6	116
15	Carbonate clumped isotope paleothermometry: a review of recent advances in CO2 gas evolution, purification, measurement and standardization techniques. Geosciences Journal, 2015, 19, 357-374.	0.6	26
16	Early inner solar system origin for anomalous sulfur isotopes in differentiated protoplanets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17749-17754.	3.3	34
17	Sulfate was a trace constituent of Archean seawater. Science, 2014, 346, 735-739.	6.0	246
18	A new online technique for the simultaneous measurement of the Î´ ¹³ C value of dissolved inorganic carbon and the Î´ ¹⁸ O value of water from a single solution sample using continuous-flow isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 553-562.	0.7	12

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19	Oxygen isotope systematics in the aragoniteâ€“CO2â€“H2Oâ€“NaCl system up to 0.7mol/kg ionic strength at 25Â°C. Geochimica Et Cosmochimica Acta, 2014, 137, 147-158.	1.6	11
20	Isotopic links between atmospheric chemistry and the deep sulphur cycle on Mars. Nature, 2014, 508, 364-368.	13.7	91
21	The Characterization Of CaCO₃ in a Geothermal Environment: A Sem/Tem-Eels Study. Clays and Clay Minerals, 2012, 60, 484-495.	0.6	11
22	Influence of dissolved ions on determination of oxygen isotope composition of aqueous solutions using the CO₂â€H₂O equilibration method. Rapid Communications in Mass Spectrometry, 2012, 26, 2083-2092.	0.7	11
23	Evaluating the S-isotope fractionation associated with Phanerozoic pyrite burial. Geochimica Et Cosmochimica Acta, 2010, 74, 2053-2071.	1.6	89
24	Experimental studies of oxygen isotope fractionation between rhodochrosite (MnCO3) and water at low temperatures. Geochimica Et Cosmochimica Acta, 2009, 73, 4400-4408.	1.6	16
25	Reconstructing Earth's surface oxidation across the Archean-Proterozoic transition. Geology, 2009, 37, 399-402.	2.0	247
26	Implications from sulfur isotopes of the Nakhla meteorite for the origin of sulfate on Mars. Earth and Planetary Science Letters, 2007, 264, 1-8.	1.8	61
27	Phosphoric acid fractionation factors for calcite and aragonite between 25 and 75ÂÂ°C: Revisited. Chemical Geology, 2007, 246, 135-146.	1.4	272
28	Oxygen isotope fractionation between synthetic aragonite and water: Influence of temperature and Mg2+ concentration. Geochimica Et Cosmochimica Acta, 2007, 71, 4704-4715.	1.6	403
29	Mechanisms of equilibrium and kinetic oxygen isotope effects in synthetic aragonite at 25Â°C. Geochimica Et Cosmochimica Acta, 2006, 70, 5790-5801.	1.6	64
30	Comment on â€œAn experimental study of oxygen isotope fractionation between inorganically precipitated aragonite and water at low temperaturesâ€• by G.-T. Zhou and Y.-F. Zheng. Geochimica Et Cosmochimica Acta, 2005, 69, 3195-3197.	1.6	13
31	Equilibrium and nonequilibrium oxygen isotope effects in synthetic carbonates. Geochimica Et Cosmochimica Acta, 1997, 61, 3461-3475.	1.6	2,042