

Min Sub Sim

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,137
citations

840776

11
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance of the Terrestrial Sink in the Biogeochemical Sulfur Cycle. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
2	Responses of the biogeochemical sulfur cycle to Early Permian tectonic and climatic events. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117604.	4.4	2
3	Reflections on Earth surface research. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 15-20.	29.7	3
4	Physiological, genomic, and sulfur isotopic characterization of methanol metabolism by <i>Desulfovibrio carbinolicus</i> . <i>PLoS ONE</i> , 2021, 16, e0245069.	2.5	0
5	Measurement of sulfur isotope ratios in trace amounts of dissolved sulfate by MC-ICP-MS. <i>Journal of the Geological Society of Korea</i> , 2021, 57, 99-108.	0.7	3
6	Effect of sulfate limitation on sulfur isotope fractionation in batch cultures of sulfate reducing bacteria. <i>Geosciences Journal</i> , 2019, 23, 687-694.	1.2	5
7	Precise determination of equilibrium sulfur isotope effects during volatilization and deprotonation of dissolved H ₂ S. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 248, 242-251.	3.9	14
8	Role of APS reductase in biogeochemical sulfur isotope fractionation. <i>Nature Communications</i> , 2019, 10, 44.	12.8	33
9	Quantification and isotopic analysis of intracellular sulfur metabolites in the dissimilatory sulfate reduction pathway. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 206, 57-72.	3.9	27
10	Fractionation of sulfur isotopes by <i>Desulfovibrio vulgaris</i> mutants lacking hydrogenases or type I tetraheme cytochrome c3. <i>Frontiers in Microbiology</i> , 2013, 4, 171.	3.5	26
11	Oxygen-Dependent Morphogenesis of Modern Clumped Photosynthetic Mats and Implications for the Archean Stromatolite Record. <i>Geosciences (Switzerland)</i> , 2012, 2, 235-259.	2.2	36
12	Effects of Iron and Nitrogen Limitation on Sulfur Isotope Fractionation during Microbial Sulfate Reduction. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8368-8376.	3.1	50
13	Large Sulfur Isotope Fractionation Does Not Require Disproportionation. <i>Science</i> , 2011, 333, 74-77.	12.6	497
14	Effect of electron donors on the fractionation of sulfur isotopes by a marine <i>Desulfovibrio</i> sp.. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4244-4259.	3.9	198
15	Biophysical basis for the geometry of conical stromatolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9956-9961.	7.1	76
16	Morphological record of oxygenic photosynthesis in conical stromatolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10939-10943.	7.1	142
17	Sequence stratigraphy of the Middle Cambrian Daegi Formation (Korea), and its bearing on the regional stratigraphic correlation. <i>Sedimentary Geology</i> , 2006, 191, 151-169.	2.1	23