

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 | Large Sulfur Isotope Fractionation Does Not Require Disproportionation. <i>Science</i> , 2011, 333, 74-77. | 12.6 | 497 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Role of APS reductase in biogeochemical sulfur isotope fractionation. <i>Nature Communications</i> , 2019, 10, 44. | 12.8 | 33 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Reflections on Earth surface research. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 15-20. | 29.7 | 3 |
| 14 | 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 |
| 15 | Significance of the Terrestrial Sink in the Biogeochemical Sulfur Cycle. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 2 |
| 16 | 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 |
| 17 | Physiological, genomic, and sulfur isotopic characterization of methanol metabolism by <i>Desulfovibrio carbinolicus</i> . <i>PLoS ONE</i> , 2021, 16, e0245069. | 2.5 | 0 |