Alexander Bradley

List of Publications by Year
in descending order

41 papers	4,401 citations	236925 25 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	4833 citing authors

#	Article	IF	Citations
1	The effect of water availability on the carbon and nitrogen isotope composition of a C4 plant (pearl) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	5
2	Statistical Uncertainty in Paleoclimate Proxy Reconstructions. Geophysical Research Letters, 2021, 48, e2021GL092773.	4.0	7
3	Effects of early marine diagenesis and site-specific depositional controls on carbonate-associated sulfate: Insights from paired S and O isotopic analyses. Chemical Geology, 2021, 584, 120525.	3.3	7
4	Controls of extreme isotopic enrichment in modern microbialites and associated abiogenic carbonates. Geochimica Et Cosmochimica Acta, 2020, 269, 136-149.	3.9	19
5	The Isotopic Imprint of Life on an Evolving Planet. Space Science Reviews, 2020, 216, 1.	8.1	3
6	Direct Observation of the Dynamics of Single-Cell Metabolic Activity during Microbial Diauxic Growth. MBio, 2020, 11, .	4.1	5
7	Oxygen isotope effects during microbial sulfate reduction: applications to sediment cell abundances. ISME Journal, 2020, 14, 1508-1519.	9.8	17
8	Endosymbiotic adaptations in three new bacterial species associated with Dictyostelium discoideum: Paraburkholderia agricolaris sp. nov., Paraburkholderia hayleyella sp. nov., and Paraburkholderia bonniea sp. nov. PeerJ, 2020, 8, e9151.	2.0	49
9	Isotopic Fractionation Associated With Sulfate Import and Activation by Desulfovibrio vulgaris str. Hildenborough. Frontiers in Microbiology, 2020, 11, 529317.	3.5	2
10	Insights into past ocean proxies from micron-scale mapping of sulfur species in carbonates. Geology, 2019, 47, 833-837.	4.4	12
11	Proteomic and Isotopic Response of Desulfovibrio vulgaris to DsrC Perturbation. Frontiers in Microbiology, 2019, 10, 658.	3.5	5
12	Silurian records of carbon and sulfur cycling from Estonia: The importance of depositional environment on isotopic trends. Earth and Planetary Science Letters, 2019, 512, 71-82.	4.4	38
13	Sulfur isotope analysis of microcrystalline iron sulfides using secondary ion mass spectrometry imaging: Extracting local paleoâ€environmental information from modern and ancient sediments. Rapid Communications in Mass Spectrometry, 2019, 33, 491-502.	1.5	18
14	Paired organic matter and pyrite Î´34S records reveal mechanisms of carbon, sulfur, and iron cycle disruption during Ocean Anoxic Event 2. Earth and Planetary Science Letters, 2019, 512, 27-38.	4.4	46
15	Organic carbon burial during OAE2 driven by changes in the locus of organic matter sulfurization. Nature Communications, 2018, 9, 3409.	12.8	62
16	Hydrogen isotope composition of Thermoanaerobacterium saccharolyticum lipids: Comparing wild type with a nfn- transhydrogenase mutant. Organic Geochemistry, 2017, 113, 239-241.	1.8	6
17	Hopanoid-free Methylobacterium extorquens DM4 overproduces carotenoids and has widespread growth impairment. PLoS ONE, 2017, 12, e0173323.	2.5	19
18	Transhydrogenase and Growth Substrate Influence Lipid Hydrogen Isotope Ratios in Desulfovibrio alaskensis G20. Frontiers in Microbiology, 2016, 07, 918.	3.5	16

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19	Fractionation of sulfur and hydrogen isotopes inDesulfovibrio vulgariswith perturbed DsrC expression. FEMS Microbiology Letters, 2016, 363, fnw226.	1.8	17
20	Patterns of sulfur isotope fractionation during microbial sulfate reduction. Geobiology, 2016, 14, 91-101.	2.4	136
21	Sulfur Isotope Effects of Dissimilatory Sulfite Reductase. Frontiers in Microbiology, 2015, 6, 1392.	3.5	47
22	Rethinking the Ancient Sulfur Cycle. Annual Review of Earth and Planetary Sciences, 2015, 43, 593-622.	11.0	320
23	Hopanoids as functional analogues of cholesterol in bacterial membranes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11971-11976.	7.1	197
24	Multiple sulfur isotope signatures of sulfite and thiosulfate reduction by the model dissimilatory sulfate-reducer, Desulfovibrio alaskensis str. G20. Frontiers in Microbiology, 2014, 5, 591.	3.5	26
25	Determination and application of the equilibrium oxygen isotope effect between water and sulfite. Geochimica Et Cosmochimica Acta, 2014, 125, 694-711.	3.9	47
26	Archaeal and bacterial glycerol dialkyl glycerol tetraether lipids in chimneys of the Lost City Hydrothermal Field. Organic Geochemistry, 2013, 60, 45-53.	1.8	49
27	Influence of sulfate reduction rates on the Phanerozoic sulfur isotope record. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11244-11249.	7.1	279
28	Spatial and temporal variability of biomarkers and microbial diversity reveal metabolic and community flexibility in Streamer Biofilm Communities in the <scp>L</scp>ower <scp>G</scp>eyser <scp>B</scp>asin, <scp>Y</scp>ellowstone <scp>N</scp>ational <scp>P</scp>ark. Geobiology, 2013, 11, 549-569.	2.4	71
29	Revisiting the dissimilatory sulfate reduction pathway. Geobiology, 2011, 9, 446-457.	2.4	121
30	Influence of subsurface biosphere on geochemical fluxes from diffuse hydrothermal fluids. Nature Geoscience, 2011, 4, 461-468.	12.9	100
31	Multiple origins of methane at the Lost City Hydrothermal Field. Earth and Planetary Science Letters, 2010, 297, 34-41.	4.4	91
32	Adenosylhopane: The first intermediate in hopanoid side chain biosynthesis. Organic Geochemistry, 2010, 41, 1075-1081.	1.8	79
33	Fossil steroids record the appearance of Demospongiae during the Cryogenian period. Nature, 2009, 457, 718-721.	27.8	611
34	Expanding the Limits of Life. Scientific American, 2009, 301, 62-67.	1.0	6
35	Extraordinary 13C enrichment of diether lipids at the Lost City Hydrothermal Field indicates a carbon-limited ecosystem. Geochimica Et Cosmochimica Acta, 2009, 73, 102-118.	3.9	100
36	Structural diversity of diether lipids in carbonate chimneys at the Lost City Hydrothermal Field. Organic Geochemistry, 2009, 40, 1169-1178.	1.8	54

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37	Tubular compression fossils from the Ediacaran Nama group, Namibia. Journal of Paleontology, 2009, 83, 110-122.	0.8	57
38	Stable carbon isotope fractionation between substrates and products of Methanosarcina barkeri. Organic Geochemistry, 2008, 39, 608-621.	1.8	105
39	Proteorhodopsin photosystem gene expression enables photophosphorylation in a heterologous host. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5590-5595.	7.1	165
40	Steroids, triterpenoids and molecular oxygen. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 951-968.	4.0	316
41	A Serpentinite-Hosted Ecosystem: The Lost City Hydrothermal Field. Science, 2005, 307, 1428-1434.	12.6	1,037