

Gilad Antler

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,430
citations

279487

23
h-index

344852

36
g-index

53
all docs

53
docs citations

53
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled sulfur and oxygen isotope insight into bacterial sulfate reduction in the natural environment. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 118, 98-117.	1.6	155
2	Co-existence of Methanogenesis and Sulfate Reduction with Common Substrates in Sulfate-Rich Estuarine Sediments. <i>Frontiers in Microbiology</i> , 2017, 8, 766.	1.5	155
3	Iron oxides stimulate sulfate-driven anaerobic methane oxidation in seeps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4139-47.	3.3	112
4	Sulfur and oxygen isotope tracing of sulfate driven anaerobic methane oxidation in estuarine sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 142, 4-11.	0.9	63
5	Combined 34S, 33S and 18O isotope fractionations record different intracellular steps of microbial sulfate reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 364-380.	1.6	57
6	Large sulfur isotope fractionation by bacterial sulfide oxidation. <i>Science Advances</i> , 2019, 5, eaaw1480.	4.7	57
7	A unique isotopic fingerprint of sulfate-driven anaerobic oxidation of methane. <i>Geology</i> , 2015, 43, 619-622.	2.0	55
8	The sulfur cycle below the sulfate-methane transition of marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 74-89.	1.6	44
9	Anaerobic oxidation of methane by sulfate in hypersaline groundwater of the Dead Sea aquifer. <i>Geobiology</i> , 2014, 12, 511-528.	1.1	43
10	Geochemical evidence for cryptic sulfur cycling in salt marsh sediments. <i>Earth and Planetary Science Letters</i> , 2016, 453, 23-32.	1.8	42
11	Constraints on the late Ediacaran sulfur cycle from carbonate associated sulfate. <i>Precambrian Research</i> , 2017, 290, 113-125.	1.2	38
12	First Evidence for the Presence of Iron Oxidizing Zetaproteobacteria at the Levantine Continental Margins. <i>PLoS ONE</i> , 2014, 9, e91456.	1.1	35
13	Hydrocarbon-related microbial processes in the deep sediments of the Eastern Mediterranean Levantine Basin. <i>FEMS Microbiology Ecology</i> , 2014, 87, 780-796.	1.3	35
14	Early diagenesis of iron and sulfur in Bornholm Basin sediments: The role of near-surface pyrite formation. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 43-60.	1.6	33
15	The Sedimentary Carbon-Sulfur-Iron Interplay – A Lesson From East Anglian Salt Marsh Sediments. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	31
16	Long-term freshening of the Dead Sea brine revealed by porewater Cl ³⁷ and $\delta^{34}\text{S}_{\text{SO}_4}$ over the last century. <i>Earth and Planetary Science Letters</i> , 2019, 511, 1-11.	1.8	30
17	The multiple sulphur isotope fingerprint of a sub-seafloor oxidative sulphur cycle driven by iron. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116165.	1.8	29
18	Microbial sulfur metabolism evidenced from pore fluid isotope geochemistry at Site U1385. <i>Global and Planetary Change</i> , 2016, 141, 82-90.	1.6	28

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19	Impact of Aeolian Dry Deposition of Reactive Iron Minerals on Sulfur Cycling in Sediments of the Gulf of Aqaba. <i>Frontiers in Microbiology</i> , 2017, 8, 1131.	1.5	28
20	Multiple sulfur isotopes discriminate organoclastic and methane-based sulfate reduction by sub-seafloor pyrite formation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 309-330.	1.6	28
21	Kinetics of gypsum crystal growth from high ionic strength solutions: A case study of Dead Sea "seawater mixtures. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2187-2199.	1.6	27
22	Partitioning riverine sulfate sources using oxygen and sulfur isotopes: Implications for carbon budgets of large rivers. <i>Earth and Planetary Science Letters</i> , 2021, 567, 116957.	1.8	27
23	Vivianite formation in methane-rich deep-sea sediments from the South China Sea. <i>Biogeosciences</i> , 2018, 15, 6329-6348.	1.3	26
24	Annual sulfur cycle in a warm monomictic lake with sub-millimolar sulfate concentrations. <i>Geochemical Transactions</i> , 2015, 16, 7.	1.8	25
25	Burrowing fauna mediate alternative stable states in the redox cycling of salt marsh sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 31-49.	1.6	24
26	The microbially driven formation of siderite in salt marsh sediments. <i>Geobiology</i> , 2020, 18, 207-224.	1.1	23
27	Isotopically "heavy" pyrite in marine sediments due to high sedimentation rates and non-steady-state deposition. <i>Geology</i> , 2021, 49, 816-821.	2.0	23
28	A Critical Look at the Combined Use of Sulfur and Oxygen Isotopes to Study Microbial Metabolisms in Methane-Rich Environments. <i>Frontiers in Microbiology</i> , 2018, 9, 519.	1.5	21
29	Glacial influence on the iron and sulfur cycles in Arctic fjord sediments (Svalbard). <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 423-440.	1.6	20
30	Geochemical evidence for biogenic methane production and consumption in the shallow sediments of the SE Mediterranean shelf (Israel). <i>Continental Shelf Research</i> , 2015, 101, 117-124.	0.9	19
31	Creek Dynamics Determine Pond Subsurface Geochemical Heterogeneity in East Anglian (UK) Salt Marshes. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	14
32	The Production and Fate of Volatile Organosulfur Compounds in Sulfidic and Ferruginous Sediment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3390-3402.	1.3	14
33	Mount Sedom salt diapir - Source for sulfate replenishment and gypsum supersaturation in the last glacial Dead Sea (Lake Lisan). <i>Quaternary Science Reviews</i> , 2019, 221, 105871.	1.4	10
34	The effect of temperature on sulfur and oxygen isotope fractionation by sulfate reducing bacteria (<i>Desulfococcus multivorans</i>). <i>FEMS Microbiology Letters</i> , 2020, 367, .	0.7	9
35	Cold seeps alter the near-bottom biogeochemistry in the ultraoligotrophic Southeastern Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 183, 103744.	0.6	9
36	Modelling the Effects of Non-Steady State Transport Dynamics on the Sulfur and Oxygen Isotope Composition of Sulfate in Sedimentary Pore Fluids. <i>Frontiers in Earth Science</i> , 2021, 8, .	0.8	7

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37	Early diagenesis of sulfur in Bornholm Basin sediments: The role of upward diffusion of isotopically heavy sulfur. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 313, 359-377.	1.6	7
38	The Carbon-Sulfur Link in the Remineralization of Organic Carbon in Surface Sediments. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
39	Assessing Sedimentary Boundary Layer Calcium Carbonate Precipitation and Dissolution Using the Calcium Isotopic Composition of Pore Fluids. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	4
40	Hydrological and thermodynamic controls on late Holocene gypsum formation by mixing saline groundwater and Dead Sea brine. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 363-383.	1.6	4
41	The origin of celestine-quartz-calcite geodes associated with a basaltic dyke, Makhtesh Ramon, Israel. <i>Geological Magazine</i> , 2014, 151, 798-815.	0.9	3
42	New Insights on the Diurnal Mechanism of Calcification in the Stony Coral, <i>Stylophora pistillata</i> . <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	3
43	Elevated temperatures reduce the resilience of the Red Sea branching coral <i>stylophora pistillata</i> to copper pollution. <i>Aquatic Toxicology</i> , 2022, 244, 106096.	1.9	2
44	Intensified microbial sulfate reduction in the deep Dead Sea during the early Holocene Mediterranean sapropel 1 deposition. <i>Geobiology</i> , 2022, 20, 518-532.	1.1	2
45	Reply to Charrach (2019) comment on "Mount Sedom salt diapir - Source for sulfate replenishment and gypsum supersaturation in the last glacial Dead Sea (Lake Lisan)" by Levy et al. (2019). <i>Quaternary Science Reviews</i> , 2020, 231, 106111.	1.4	1
46	Using Oxygen and Sulfur Isotopes to Partition Sources of Riverine Sulfate. , 2020, , .		0
47	Spatial Mapping of Sediment Geochemistry in East Anglian Salt Marshes. , 2021, , .		0
48	Exploring diagenesis in anoxic sediments - R. Berner Lecture. , 2021, , .		0