Gilad Antler

List of Publications by Year
in descending order

48 papers	1,430 citations	279701 23 h-index	345118 36 g-index
53 all docs	53 docs citations	53 times ranked	1591 citing authors

#	Article	IF	Citations
1	Multiple sulfur isotopes discriminate organoclastic and methane-based sulfate reduction by sub-seafloor pyrite formation. Geochimica Et Cosmochimica Acta, 2022, 316, 309-330.	1.6	28
2	Hydrological and thermodynamic controls on late Holocene gypsum formation by mixing saline groundwater and Dead Sea brine. Geochimica Et Cosmochimica Acta, 2022, 316, 363-383.	1.6	4
3	New Insights on the Diurnal Mechanism of Calcification in the Stony Coral, Stylophora pistillata. Frontiers in Marine Science, 2022, 8, .	1.2	3
4	Elevated temperatures reduce the resilience of the Red Sea branching coral stylophora pistillata to copper pollution. Aquatic Toxicology, 2022, 244, 106096.	1.9	2
5	Intensified microbial sulfate reduction in the deep Dead Sea during the early Holocene Mediterranean sapropel 1 deposition. Geobiology, 2022, 20, 518-532.	1.1	2
6	Cold seeps alter the near-bottom biogeochemistry in the ultraoligotrophic Southeastern Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2022, 183, 103744.	0.6	9
7	Modelling the Effects of Non-Steady State Transport Dynamics on the Sulfur and Oxygen Isotope Composition of Sulfate in Sedimentary Pore Fluids. Frontiers in Earth Science, 2021, 8, .	0.8	7
8	Isotopically â€œheavyâ€• pyrite in marine sediments due to high sedimentation rates and non-steady-state deposition. Geology, 2021, 49, 816-821.	2.0	23
9	The Carbon-Sulfur Link in the Remineralization of Organic Carbon in Surface Sediments. Frontiers in Earth Science, 2021, 9, .	0.8	6
10	Partitioning riverine sulfate sources using oxygen and sulfur isotopes: Implications for carbon budgets of large rivers. Earth and Planetary Science Letters, 2021, 567, 116957.	1.8	27
11	Assessing Sedimentary Boundary Layer Calcium Carbonate Precipitation and Dissolution Using the Calcium Isotopic Composition of Pore Fluids. Frontiers in Earth Science, 2021, 9, .	0.8	4
12	Early diagenesis of sulfur in Bornholm Basin sediments: The role of upward diffusion of isotopically â€œheavyâ€• sulfide. Geochimica Et Cosmochimica Acta, 2021, 313, 359-377.	1.6	7
13	Spatial Mapping of Sediment Geochemistry in East Anglian Salt Marshes. , 2021, , .		0
14	Exploring diagenesis inanoxic sediments - <i>R. Berner Lecture</i>. , 2021, , .		0
15	The microbially driven formation of siderite in salt marsh sediments. Geobiology, 2020, 18, 207-224.	1.1	23
16	Early diagenesis of iron and sulfur in Bornholm Basin sediments: The role of near-surface pyrite formation. Geochimica Et Cosmochimica Acta, 2020, 284, 43-60.	1.6	33
17	Burrowing fauna mediate alternative stable states in the redox cycling of salt marsh sediments. Geochimica Et Cosmochimica Acta, 2020, 276, 31-49.	1.6	24
18	Reply to Charrach (2019) comment on â€œMount Sedom salt diapir - Source for sulfate replenishment and gypsum supersaturation in the last glacial Dead Sea (Lake Lisan)â€• by Levy etÂ al. (2019). Quaternary Science Reviews, 2020, 231, 106111.	1.4	1

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19	The multiple sulphur isotope fingerprint of a sub-seafloor oxidative sulphur cycle driven by iron. Earth and Planetary Science Letters, 2020, 536, 116165.	1.8	29
20	Glacial influence on the iron and sulfur cycles in Arctic fjord sediments (Svalbard). Geochimica Et Cosmochimica Acta, 2020, 280, 423-440.	1.6	20
21	The effect of temperature on sulfur and oxygen isotope fractionation by sulfate reducing bacteria (<i>Desulfococcus multivorans</i>). FEMS Microbiology Letters, 2020, 367, .	0.7	9
22	Using Oxygen and Sulfur Isotopes to Partition Sources of Riverine Sulfate. , 2020, , .		0
23	Creek Dynamics Determine Pond Subsurface Geochemical Heterogeneity in East Anglian (UK) Salt Marshes. Frontiers in Earth Science, 2019, 7, .	0.8	14
24	Large sulfur isotope fractionation by bacterial sulfide oxidation. Science Advances, 2019, 5, eaaw1480.	4.7	57
25	The Sedimentary Carbon-Sulfur-Iron Interplay â€“ A Lesson From East Anglian Salt Marsh Sediments. Frontiers in Earth Science, 2019, 7, .	0.8	31
26	Mount Sedom salt diapir - Source for sulfate replenishment and gypsum supersaturation in the last glacial Dead Sea (Lake Lisan). Quaternary Science Reviews, 2019, 221, 105871.	1.4	10
27	The Production and Fate of Volatile Organosulfur Compounds in Sulfidic and Ferruginous Sediment. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3390-3402.	1.3	14
28	Vivianite formation in methane-rich deep-sea sediments from the South China Sea. Biogeosciences, 2018, 15, 6329-6348.	1.3	26
29	The sulfur cycle below the sulfate-methane transition of marine sediments. Geochimica Et Cosmochimica Acta, 2018, 239, 74-89.	1.6	44
30	A Critical Look at the Combined Use of Sulfur and Oxygen Isotopes to Study Microbial Metabolisms in Methane-Rich Environments. Frontiers in Microbiology, 2018, 9, 519.	1.5	21
31	Constraints on the late Ediacaran sulfur cycle from carbonate associated sulfate. Precambrian Research, 2017, 290, 113-125.	1.2	38
32	Combined 34S, 33S and 18O isotope fractionations record different intracellular steps of microbial sulfate reduction. Geochimica Et Cosmochimica Acta, 2017, 203, 364-380.	1.6	57
33	Co-existence of Methanogenesis and Sulfate Reduction with Common Substrates in Sulfate-Rich Estuarine Sediments. Frontiers in Microbiology, 2017, 8, 766.	1.5	155
34	Impact of Aeolian Dry Deposition of Reactive Iron Minerals on Sulfur Cycling in Sediments of the Gulf of Aqaba. Frontiers in Microbiology, 2017, 8, 1131.	1.5	28
35	Microbial sulfur metabolism evidenced from pore fluid isotope geochemistry at Site U1385. Global and Planetary Change, 2016, 141, 82-90.	1.6	28
36	Geochemical evidence for cryptic sulfur cycling in salt marsh sediments. Earth and Planetary Science Letters, 2016, 453, 23-32.	1.8	42

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37	Annual sulfur cycle in a warm monomictic lake with sub-millimolar sulfate concentrations. Geochemical Transactions, 2015, 16, 7.	1.8	25
38	A unique isotopic fingerprint of sulfate-driven anaerobic oxidation of methane. Geology, 2015, 43, 619-622.	2.0	55
39	Geochemical evidence for biogenic methane production and consumption in the shallow sediments of the SE Mediterranean shelf (Israel). Continental Shelf Research, 2015, 101, 117-124.	0.9	19
40	First Evidence for the Presence of Iron Oxidizing Zetaproteobacteria at the Levantine Continental Margins. PLoS ONE, 2014, 9, e91456.	1.1	35
41	The origin of celestineâ€"quartzâ€"calcite geodes associated with a basaltic dyke, Makhtesh Ramon, Israel. Geological Magazine, 2014, 151, 798-815.	0.9	3
42	Anaerobic oxidation of methane by sulfate in hypersaline groundwater of the Dead Sea aquifer. Geobiology, 2014, 12, 511-528.	1.1	43
43	Sulfur and oxygen isotope tracing of sulfate driven anaerobic methane oxidation in estuarine sediments. Estuarine, Coastal and Shelf Science, 2014, 142, 4-11.	0.9	63
44	Hydrocarbon-related microbial processes in the deep sediments of the Eastern Mediterranean Levantine Basin. FEMS Microbiology Ecology, 2014, 87, 780-796.	1.3	35
45	Iron oxides stimulate sulfate-driven anaerobic methane oxidation in seeps. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4139-47.	3.3	112
46	Long-term freshening of the Dead Sea brine revealed by porewater Clâˆ' and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î´</mml:mi><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>18</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> in ICDP Dead Sea deep-drill. Earth and Planetary Science Letters, 2014, 400, 94-101.	1.8	30
47	Coupled sulfur and oxygen isotope insight into bacterial sulfate reduction in the natural environment. Geochimica Et Cosmochimica Acta, 2013, 118, 98-117.	1.6	155
48	Kinetics of gypsum crystal growth from high ionic strength solutions: A case study of Dead Sea â€" seawater mixtures. Geochimica Et Cosmochimica Acta, 2011, 75, 2187-2199.	1.6	27