

Travis B Meador

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

794
citations

516710

16
h-index

552781

26
g-index

40
all docs

40
docs citations

40
times ranked

1180
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental controls on intragroup diversity of the uncultured benthic <i>Archaea</i> of the miscellaneous Crenarchaeotal group lineage naturally enriched in anoxic sediments of the White Oak River estuary (North) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 507	3.8	69
2	<i>Thermococcus kodakarensis</i> modulates its polar membrane lipids and elemental composition according to growth stage and phosphate availability. <i>Frontiers in Microbiology</i> , 2014, 5, 10.	3.5	58
3	Isotopic heterogeneity and cycling of organic nitrogen in the oligotrophic ocean. <i>Limnology and Oceanography</i> , 2007, 52, 934-947.	3.1	57
4	Soil texture affects the coupling of litter decomposition and soil organic matter formation. <i>Soil Biology and Biochemistry</i> , 2021, 159, 108302.	8.8	56
5	Biogeochemical relationships between ultrafiltered dissolved organic matter and picoplankton activity in the Eastern Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1460-1477.	1.4	48
6	The Potential Impact of Saharan Dust and Polluted Aerosols on Microbial Populations in the East Mediterranean Sea, an Overview of a Mesocosm Experimental Approach. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	47
7	Production rates of bacterial tetraether lipids and fatty acids in peatland under varying oxygen concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 103-116.	3.9	43
8	The archaeal lipidome in estuarine sediment dominated by members of the Miscellaneous Crenarchaeotal Group. <i>Environmental Microbiology</i> , 2015, 17, 2441-2458.	3.8	38
9	Connecting export fluxes to plankton food-web efficiency in the Black Sea waters inflowing into the Mediterranean Sea. <i>Journal of Plankton Research</i> , 2010, 32, 1203-1216.	1.8	37
10	Novel Cultivation-Based Approach To Understanding the Miscellaneous Crenarchaeotic Group (MCG) Archaea from Sedimentary Ecosystems. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6400-6406.	3.1	37
11	<i>Methanothermobacter thermautotrophicus</i> modulates its membrane lipids in response to hydrogen and nutrient availability. <i>Frontiers in Microbiology</i> , 2015, 6, 5.	3.5	35
12	Chemical Composition of Marine Dissolved Organic Nitrogen. , 2008, , 95-140.		29
13	Identification of unusual butanetriol dialkyl glycerol tetraether and pentanetriol dialkyl glycerol tetraether lipids in marine sediments. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 332-338.	1.5	27
14	Direct Cell Mass Measurements Expand the Role of Small Microorganisms in Nature. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	22
15	Identification of isoprenoid glycosidic glycerol dibiphytanol diethers and indications for their biosynthetic origin. <i>Organic Geochemistry</i> , 2014, 69, 70-75.	1.8	19
16	Atmospheric Deposition Effects on Plankton Communities in the Eastern Mediterranean: A Mesocosm Experimental Approach. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	19
17	Carbon recycling efficiency and phosphate turnover by marine nitrifying archaea. <i>Science Advances</i> , 2020, 6, eaba1799.	10.3	19
18	Characterisation and dynamics of dissolved organic matter in the Northwestern Mediterranean Sea. <i>Progress in Oceanography</i> , 2013, 119, 78-89.	3.2	13

#	ARTICLE	IF	CITATIONS
19	Production of dissolved organic carbon enriched in deoxy sugars representing an additional sink for biological C drawdown in the Amazon River plume. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1149-1161.	4.9	13
20	Evaluating Production of Cyclopentyl Tetraethers by Marine Group II Euryarchaeota in the Pearl River Estuary and Coastal South China Sea: Potential Impact on the TEX86 Paleothermometer. <i>Frontiers in Microbiology</i> , 2017, 8, 2077.	3.5	13
21	Microbial phylogenetic relatedness links to distinct successional patterns of bacterial and fungal communities. <i>Environmental Microbiology</i> , 2022, 24, 3985-4000.	3.8	11
22	Production and turnover of microbial organic matter in surface intertidal sediments. <i>Organic Geochemistry</i> , 2018, 121, 104-113.	1.8	10
23	Seasonal variations of biochemical and optical properties, physical dynamics and N stable isotopic composition in three northeastern Mediterranean basins (Aegean, Cretan and Ionian Seas). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 171, 104704.	1.4	10
24	Substrate quality effects on stabilized soil carbon reverse with depth. <i>Geoderma</i> , 2022, 406, 115511.	5.1	10
25	Substrate-dependent incorporation of carbon and hydrogen for lipid biosynthesis by <i>Methanosarcina barkeri</i> . <i>Environmental Microbiology Reports</i> , 2020, 12, 555-567.	2.4	9
26	Structural elucidation and environmental distributions of butanetriol and pentanetriol dialkyl glycerol tetraethers (BDGTs and PDGTs). <i>Biogeosciences</i> , 2020, 17, 317-330.	3.3	9
27	Optimizing sample pretreatment for compound-specific stable carbon isotopic analysis of amino sugars in marine sediment. <i>Biogeosciences</i> , 2014, 11, 4869-4880.	3.3	8
28	Photochemical (UV-vis/H ₂ O ₂) degradation of carotenoids: Kinetics and molecular end products. <i>Chemosphere</i> , 2022, 286, 131697.	8.2	8
29	Stable carbon isotopic compositions of archaeal lipids constrain terrestrial, planktonic, and benthic sources in marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 319-337.	3.9	6
30	Aqueous system-level processes and prokaryote assemblages in the ferruginous and sulfate-rich bottom waters of a post-mining lake. <i>Biogeosciences</i> , 2022, 19, 1723-1751.	3.3	5
31	Planktonic Lipidome Responses to Aeolian Dust Input in Low-Biomass Oligotrophic Marine Mesocosms. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	4
32	Carbon Sequestration Related to Soil Physical and Chemical Properties in the High Arctic. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006877.	4.9	4
33	The Isotope Geochemistry of Archaeal Lipids in the Black Sea and Underlying Sediments Constrains their Sources and Turnover. , 2019, , .		0