Travis B Meador

List of Publications by Year
in descending order

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	Photochemical (UVâ€“vis/H2O2) degradation of carotenoids: Kinetics and molecular end products. Chemosphere, 2022, 286, 131697.	8.2	8
2	Substrate quality effects on stabilized soil carbon reverse with depth. Geoderma, 2022, 406, 115511.	5.1	10
3	Aqueous system-level processes and prokaryote assemblages in the ferruginous and sulfate-rich bottom waters of a post-mining lake. Biogeosciences, 2022, 19, 1723-1751.	3.3	5
4	Microbial phylogenetic relatedness links to distinct successional patterns of bacterial and fungal communities. Environmental Microbiology, 2022, 24, 3985-4000.	3.8	11
5	Stable carbon isotopic compositions of archaeal lipids constrain terrestrial, planktonic, and benthic sources in marine sediments. Geochimica Et Cosmochimica Acta, 2021, 307, 319-337.	3.9	6
6	Carbon Sequestration Related to Soil Physical and Chemical Properties in the High Arctic. Global Biogeochemical Cycles, 2021, 35, e2020GB006877.	4.9	4
7	Soil texture affects the coupling of litter decomposition and soil organic matter formation. Soil Biology and Biochemistry, 2021, 159, 108302.	8.8	56
8	Seasonal variations of biochemical and optical properties, physical dynamics and N stable isotopic composition in three northeastern Mediterranean basins (Aegean, Cretan and Ionian Seas). Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 171, 104704.	1.4	10
9	Substrateâ€dependent incorporation of carbon and hydrogen for lipid biosynthesis by Methanosarcina barkeri. Environmental Microbiology Reports, 2020, 12, 555-567.	2.4	9
10	Carbon recycling efficiency and phosphate turnover by marine nitrifying archaea. Science Advances, 2020, 6, eaba1799.	10.3	19
11	Structural elucidation and environmental distributions of butanetriol and pentanetriol dialkyl glycerol tetraethers (BDGTs and PDGTs). Biogeosciences, 2020, 17, 317-330.	3.3	9
12	Direct Cell Mass Measurements Expand the Role of Small Microorganisms in Nature. Applied and Environmental Microbiology, 2019, 85, .	3.1	22
13	The Isotope Geochemistry of Archaeal Lipids in the Black Sea and Underlying Sediments Constrains their Sources and Turnover. , 2019, , .		0
14	Production and turnover of microbial organic matter in surface intertidal sediments. Organic Geochemistry, 2018, 121, 104-113.	1.8	10
15	Production rates of bacterial tetraether lipids and fatty acids in peatland under varying oxygen concentrations. Geochimica Et Cosmochimica Acta, 2017, 203, 103-116.	3.9	43
16	Planktonic Lipidome Responses to Aeolian Dust Input in Low-Biomass Oligotrophic Marine Mesocosms. Frontiers in Marine Science, 2017, 4, .	2.5	4
17	Atmospheric Deposition Effects on Plankton Communities in the Eastern Mediterranean: A Mesocosm Experimental Approach. Frontiers in Marine Science, 2017, 4, .	2.5	19
18	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. Frontiers in Microbiology, 2017, 8, 2077.	3.5	13

#	Article	IF	Citations
19	The Potential Impact of Saharan Dust and Polluted Aerosols on Microbial Populations in the East Mediterranean Sea, an Overview of a Mesocosm Experimental Approach. Frontiers in Marine Science, 2016, 3, .	2.5	47
20	Environmental controls on intragroup diversity of the uncultured benthic archaea of the miscellaneous <scp>C</scp>renarchaeotal group lineage naturally enriched in anoxic sediments of the <scp>W</scp>hite <scp>O</scp>ak <scp>R</scp>iver estuary (<scp>N</scp>orth) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692 Td (<	3.8	69
21	Methanothermobacter thermautotrophicus modulates its membrane lipids in response to hydrogen and nutrient availability. Frontiers in Microbiology, 2015, 6, 5.	3.5	35
22	The archaeal lipidome in estuarine sediment dominated by members of the <scp>M</scp>iscellaneous <scp>C</scp>renarchaeotal <scp>G</scp>roup. Environmental Microbiology, 2015, 17, 2441-2458.	3.8	38
23	Thermococcus kodakarensis modulates its polar membrane lipids and elemental composition according to growth stage and phosphate availability. Frontiers in Microbiology, 2014, 5, 10.	3.5	58
24	Optimizing sample pretreatment for compound-specific stable carbon isotopic analysis of amino sugars in marine sediment. Biogeosciences, 2014, 11, 4869-4880.	3.3	8
25	Identification of unusual butanetriol dialkyl glycerol tetraether and pentanetriol dialkyl glycerol tetraether lipids in marine sediments. Rapid Communications in Mass Spectrometry, 2014, 28, 332-338.	1.5	27
26	Identification of isoprenoid glycosidic glycerol dibiphytanol diethers and indications for their biosynthetic origin. Organic Geochemistry, 2014, 69, 70-75.	1.8	19
27	Production of dissolved organic carbon enriched in deoxy sugars representing an additional sink for biological C drawdown in the Amazon River plume. Global Biogeochemical Cycles, 2014, 28, 1149-1161.	4.9	13
28	Characterisation and dynamics of dissolved organic matter in the Northwestern Mediterranean Sea. Progress in Oceanography, 2013, 119, 78-89.	3.2	13
29	Novel Cultivation-Based Approach To Understanding the Miscellaneous Crenarchaeotic Group (MCG) Archaea from Sedimentary Ecosystems. Applied and Environmental Microbiology, 2013, 79, 6400-6406.	3.1	37
30	Connecting export fluxes to plankton food-web efficiency in the Black Sea waters inflowing into the Mediterranean Sea. Journal of Plankton Research, 2010, 32, 1203-1216.	1.8	37
31	Biogeochemical relationships between ultrafiltered dissolved organic matter and picoplankton activity in the Eastern Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1460-1477.	1.4	48
32	Chemical Composition of Marine Dissolved Organic Nitrogen. , 2008, , 95-140.		29
33	Isotopic heterogeneity and cycling of organic nitrogen in the oligotrophic ocean. Limnology and Oceanography, 2007, 52, 934-947.	3.1	57