Marshall W Bowles

List of Publications by Year
in descending order

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22 papers	1,036 citations	567281 15 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	1622 citing authors

#	Article	IF	Citations
1	Global rates of marine sulfate reduction and implications for subâ€“sea-floor metabolic activities. Science, 2014, 344, 889-891.	12.6	253
2	Abiotic nitrous oxide emission from the hypersaline Don Juan Pond in Antarctica. Nature Geoscience, 2010, 3, 341-344.	12.9	146
3	Biogeochemical signatures and microbial activity of different cold-seep habitats along the Gulf of Mexico deep slope. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1990-2001.	1.4	93
4	Weak coupling between sulfate reduction and the anaerobic oxidation of methane in methane-rich seafloor sediments during ex situ incubation. Geochimica Et Cosmochimica Acta, 2011, 75, 500-519.	3.9	81
5	Microbial dormancy in the marine subsurface: Global endospore abundance and response to burial. Science Advances, 2019, 5, eaav1024.	10.3	64
6	Spatial distribution of nitrogen fixation in methane seep sediment and the role of the <scp>ANME</scp> archaea. Environmental Microbiology, 2014, 16, 3012-3029.	3.8	60
7	Biogeochemical and 16S rRNA gene sequence evidence supports a novel mode of anaerobic methanotrophy in permanently iceâ€covered Lake Fryxell, Antarctica. Limnology and Oceanography, 2016, 61, S119.	3.1	44
8	Denitrification and environmental factors influencing nitrate removal in Guaymas Basin hydrothermally altered sediments. Frontiers in Microbiology, 2012, 3, 377.	3.5	38
9	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
10	Improved measurement of microbial activity in deepâ€sea sediments at in situ pressure and methane concentration. Limnology and Oceanography: Methods, 2011, 9, 499-506.	2.0	35
11	Distribution and isotopic composition of trimethylamine, dimethylsulfide and dimethylsulfoniopropionate in marine sediments. Marine Chemistry, 2017, 196, 35-46.	2.3	35
12	AlvinExplores the Deep Northern Gulf of Mexico Slope. Eos, 2007, 88, 341.	0.1	33
13	High rates of denitrification and nitrate removal in cold seep sediments. ISME Journal, 2011, 5, 565-567.	9.8	28
14	Consistent CO2 release by pyrite oxidation on continental shelves prior to glacial terminations. Nature Geoscience, 2019, 12, 929-934.	12.9	19
15	Remarkable Capacity for Anaerobic Oxidation of Methane at High Methane Concentration. Geophysical Research Letters, 2019, 46, 12192-12201.	4.0	18
16	Patterns and variability in geochemical signatures and microbial activity within and between diverse cold seep habitats along the lower continental slope, Northern Gulf of Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2016, 129, 31-40.	1.4	16
17	Microbial diversity and activity in seafloor brine lake sediments (Alaminos Canyon block 601, Gulf of) Tj ETQq1 1 0.784314 rgBT /Over	2.4	15
18	Vertical stratification and stability of biogeochemical processes in the deep saline waters of Lake Vanda, Antarctica. Limnology and Oceanography, 2020, 65, 569-581.	3.1	7

#	Article	IF	Citations
19	Sulfate reduction and methanogenesis in the hypersaline deep waters and sediments of a perennially iceâ€covered lake. Limnology and Oceanography, 2021, 66, 1804-1818.	3.1	7
20	Extremophiles in Earth's Deep Seas: A View Toward Life in Exo-Oceans. Astrobiology, 2022, 22, 1009-1028.	3.0	3
21	Abiotic Nitrous Oxide Production From Sediments and Brine of Don Juan Pond, Wright Valley Antarctica, at Mars Analog Temperatures (â^'40Â°C). Geophysical Research Letters, 2022, 49, .	4.0	2
22	Marine Biogeochemical Cycles. The Microbiomes of Humans, Animals, Plants, and the Environment, 2022, , 623-671.	0.6	1