

Frederick Von Netzer

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

759
citations

840776

11
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverse sulfate-reducing bacteria of the <i>Desulfosarcina/Desulfococcus</i> clade are the key alkane degraders at marine seeps. <i>ISME Journal</i> , 2014, 8, 2029-2044.	9.8	182
2	Water droplets in oil are microhabitats for microbial life. <i>Science</i> , 2014, 345, 673-676.	12.6	118
3	DNA-SIP identifies sulfate-reducing <i>Clostridia</i> as important toluene degraders in tar-oil-contaminated aquifer sediment. <i>ISME Journal</i> , 2010, 4, 1314-1325.	9.8	101
4	Enhanced Gene Detection Assays for Fumarate-Adding Enzymes Allow Uncovering of Anaerobic Hydrocarbon Degraders in Terrestrial and Marine Systems. <i>Applied and Environmental Microbiology</i> , 2013, 79, 543-552.	3.1	94
5	Electron acceptor-dependent identification of key anaerobic toluene degraders at a tar-oil-contaminated aquifer by Pyro-SIP. <i>FEMS Microbiology Ecology</i> , 2011, 78, 165-175.	2.7	93
6	Functional Gene Markers for Fumarate-Adding and Dearomatizing Key Enzymes in Anaerobic Aromatic Hydrocarbon Degradation in Terrestrial Environments. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2016, 26, 180-194.	1.0	52
7	Mechanism for microbial population collapse in a fluctuating resource environment. <i>Molecular Systems Biology</i> , 2017, 13, 919.	7.2	22
8	Iron- and aluminium-induced depletion of molybdenum in acidic environments impedes the nitrogen cycle. <i>Environmental Microbiology</i> , 2019, 21, 152-163.	3.8	22
9	Response of Transport Parameters and Sediment Microbiota to Water Table Fluctuations in Laboratory Columns. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	2.2	20
10	Characterization of subsurface media from locations up- and down-gradient of a uranium-contaminated aquifer. <i>Chemosphere</i> , 2020, 255, 126951.	8.2	18
11	Key Metabolites and Mechanistic Changes for Salt Tolerance in an Experimentally Evolved Sulfate-Reducing Bacterium, <i>Desulfovibrio vulgaris</i> . <i>MBio</i> , 2017, 8, .	4.1	13
12	Mechanism Across Scales: A Holistic Modeling Framework Integrating Laboratory and Field Studies for Microbial Ecology. <i>Frontiers in Microbiology</i> , 2021, 12, 642422.	3.5	12
13	Microbial maintenance energy quantified and modeled with microcalorimetry. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2413-2422.	3.3	4
14	Primers: Functional Genes for Anaerobic Hydrocarbon Degrading Microbes. <i>Springer Protocols</i> , 2014, , 39-55.	0.3	3
15	Next-Generation Sequencing of Functional Marker Genes for Anaerobic Degraders of Petroleum Hydrocarbons in Contaminated Environments. , 2018, , 1-20.		2
16	Next-Generation Sequencing of Functional Marker Genes for Anaerobic Degraders of Petroleum Hydrocarbons in Contaminated Environments. , 2020, , 257-276.		2
17	Sequence capture by hybridization reveals elusive hydrocarbon degradation potential. <i>Microbial Biotechnology</i> , 2017, 10, 242-243.	4.2	1