Deric R Learman

List of Publications by Year
in descending order

23 papers	1,262 citations	516710 16 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	1692 citing authors

#	Article	IF	Citations
1	Formation of manganese oxides by bacterially generated superoxide. Nature Geoscience, 2011, 4, 95-98.	12.9	297
2	Coupled bioticâ€“abiotic Mn(II) oxidation pathway mediates the formation and structural evolution of biogenic Mn oxides. Geochimica Et Cosmochimica Acta, 2011, 75, 6048-6063.	3.9	191
3	Extracellular haem peroxidases mediate <scp>M</scp>n(<scp>II</scp>) oxidation in a marine <scp>R</scp>oseobacter bacterium via superoxide production. Environmental Microbiology, 2015, 17, 3925-3936.	3.8	106
4	Effect of adsorbed and substituted Al on Fe(II)-induced mineralization pathways of ferrihydrite. Geochimica Et Cosmochimica Acta, 2011, 75, 4653-4666.	3.9	101
5	Constraints on superoxide mediated formation of manganese oxides. Frontiers in Microbiology, 2013, 4, 262.	3.5	81
6	Contrasting effects of Al substitution on microbial reduction of Fe(III) (hydr)oxides. Geochimica Et Cosmochimica Acta, 2010, 74, 7086-7099.	3.9	62
7	High concentrations of bioavailable heavy metals impact freshwater sediment microbial communities. Annals of Microbiology, 2016, 66, 1003-1012.	2.6	58
8	Potential for gulls to transport bacteria from human waste sites to beaches. Science of the Total Environment, 2018, 615, 123-130.	8.0	58
9	Biogeochemical and Microbial Variation across 5500 km of Antarctic Surface Sediment Implicates Organic Matter as a Driver of Benthic Community Structure. Frontiers in Microbiology, 2016, 7, 284.	3.5	57
10	Microbial community structure and microbial networks correspond to nutrient gradients within coastal wetlands of the Laurentian Great Lakes. FEMS Microbiology Ecology, 2019, 95, .	2.7	47
11	Involvement of Shewanella oneidensis MR-1 LuxS in Biofilm Development and Sulfur Metabolism. Applied and Environmental Microbiology, 2009, 75, 1301-1307.	3.1	45
12	Metabolic and genomic analysis elucidates strain-level variation inMicrobacterium spp.isolated from chromate contaminated sediment. PeerJ, 2015, 3, e1395.	2.0	29
13	Comparative genomics of 16Microbacteriumspp. that tolerate multiple heavy metals and antibiotics. PeerJ, 2019, 6, e6258.	2.0	27
14	Meiobenthic community composition and biodiversity along a 5500 km transect of Western Antarctica: a metabarcoding analysis. Marine Ecology - Progress Series, 2018, 603, 47-60.	1.9	26
15	Biotic and Abiotic Mechanisms of Manganese (II) Oxidation in Lake Erie. Frontiers in Environmental Science, 2020, 8, .	3.3	19
16	Comparative proteomics of <scp><scp>Mn</scp></scp>(<scp>II</scp>)â€oxidizing and nonâ€oxidizing <scp>R</scp>oseobacter clade bacteria reveal an operative manganese transport system but minimal <scp><scp>Mn</scp></scp>(<scp>II</scp>)â€induced expression of manganese oxidation and antioxidant enzymes. Environmental Microbiology Reports, 2014, 6, 501-509.	2.4	16
17	Microbial community diversity patterns are related to physical and chemical differences among temperate lakes near Beaver Island, MI. PeerJ, 2017, 5, e3937.	2.0	16
18	Investigating diversity of pathogenic microbes in commercial bait trade water. PeerJ, 2018, 6, e5468.	2.0	14

#	Article	IF	Citations
19	Metagenomics of Antarctic Marine Sediment Reveals Potential for Diverse Chemolithoautotrophy. MSphere, 2021, 6, e0077021.	2.9	5
20	Microbial subnetworks related to short-term diel O2 fluxes within geochemically distinct freshwater wetlands. FEMS Microbiology Letters, 2018, 365, .	1.8	2
21	Diel Patterns in Marine Microbial Metatranscriptomes Reflect Differences in Community Metabolic Activity Over Depth on the Continental Shelf of the North Atlantic. Frontiers in Marine Science, 2022, 9, .	2.5	2
22	Short-term variability in coastal community and ecosystem dynamics in northern Lake Michigan. Freshwater Science, 2019, 38, 661-673.	1.8	1
23	Evaluating relationships between plants, water chemistry, and denitrification potential in palustrine freshwater marshes. Ecological Indicators, 2021, 131, 108163.	6.3	1