Douglas C Nelson

List of Publications by Year
in descending order

19 papers	2,466 citations	430874 18 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	1569 citing authors

#	Article	IF	Citations
1	Native Bacterial Community Convergence in Augmented and Stimulated Ureolytic MICP Biocementation. Environmental Science & Technology, 2021, 55, 10784-10793.	10.0	32
2	Meter-Scale Biocementation Experiments to Advance Process Control and Reduce Impacts: Examining Spatial Control, Ammonium By-Product Removal, and Chemical Reductions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	37
3	Biogeochemical Changes During Bio-cementation Mediated by Stimulated and Augmented Ureolytic Microorganisms. Scientific Reports, 2019, 9, 11517.	3.3	50
4	Investigating Ammonium By-product Removal for Ureolytic Bio-cementation Using Meter-scale Experiments. Scientific Reports, 2019, 9, 18313.	3.3	31
5	Diversity of Sporosarcina-like Bacterial Strains Obtained from Meter-Scale Augmented and Stimulated Biocementation Experiments. Environmental Science & Technology, 2018, 52, 3997-4005.	10.0	52
6	Stimulation of Native Microorganisms for Biocementation in Samples Recovered from Field-Scale Treatment Depths. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	105
7	Large-Scale Comparison of Bioaugmentation and Biostimulation Approaches for Biocementation of Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	171
8	Stimulating In Situ Soil Bacteria for Bio-Cementation of Sands. , 2014, , .		51
9	Soil engineering in vivo : harnessing natural biogeochemical systems for sustainable, multi-functional engineering solutions. Journal of the Royal Society Interface, 2011, 8, 1-15.	3.4	156
10	Vacuolate-attached filaments: highly productive Ridgeia piscesae epibionts at the Juan de Fuca hydrothermal vents. Marine Biology, 2010, 157, 791-800.	1.5	19
11	Bio-mediated soil improvement. Ecological Engineering, 2010, 36, 197-210.	3.6	1,177
12	CultivatedBeggiatoaspp. define the phylogenetic root of morphologically diverse, noncultured, vacuolate sulfur bacteria. Canadian Journal of Microbiology, 2006, 52, 591-598.	1.7	21
13	Novel vacuolate sulfur bacteria from the Gulf of Mexico reproduce by reductive division in three dimensions. Environmental Microbiology, 2005, 7, 1451-1460.	3.8	46
14	Novel, Attached, Sulfur-Oxidizing Bacteria at Shallow Hydrothermal Vents Possess Vacuoles Not Involved in Respiratory Nitrate Accumulation. Applied and Environmental Microbiology, 2004, 70, 7487-7496.	3.1	67
15	Title is missing!. Environmental Monitoring and Assessment, 2000, 64, 299-310.	2.7	22
16	Phylogenetic Affinity of a Wide, Vacuolate, Nitrate-Accumulating Beggiatoa sp. from Monterey Canyon, California, with Thioploca spp. Applied and Environmental Microbiology, 1999, 65, 270-277.	3.1	54
17	DNA-DNA Solution Hybridization Studies of the Bacterial Symbionts of Hydrothermal Vent Tube Worms (Riftia pachyptila and Tevnia jerichonana). Applied and Environmental Microbiology, 1991, 57, 1082-1088.	3.1	22
18	Massive natural occurrence of unusually large bacteria (Beggiatoa sp.) at a hydrothermal deep-sea vent site. Nature, 1989, 342, 834-836.	27.8	149

#	Article	IF	Citations
19	Characterization of Large, Autotrophic Beggiatoa spp. Abundant at Hydrothermal Vents of the Guaymas Basin. Applied and Environmental Microbiology, 1989, 55, 2909-2917.	3.1	204