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	Bio-mediated soil improvement. Ecological Engineering, 2010, 36, 197-210.	3.6	1,177
2	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
3	Large-Scale Comparison of Bioaugmentation and Biostimulation Approaches for Biocementation of Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	171
4	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
5	Massive natural occurrence of unusually large bacteria (Beggiatoa sp.) at a hydrothermal deep-sea vent site. Nature, 1989, 342, 834-836.	27.8	149
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	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
8	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
9	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
10	Stimulating In Situ Soil Bacteria for Bio-Cementation of Sands. , 2014, , .		51
11	Biogeochemical Changes During Bio-cementation Mediated by Stimulated and Augmented Ureolytic Microorganisms. Scientific Reports, 2019, 9, 11517.	3.3	50
12	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
13	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
14	Native Bacterial Community Convergence in Augmented and Stimulated Ureolytic MICP Biocementation. Environmental Science & Technology, 2021, 55, 10784-10793.	10.0	32
15	Investigating Ammonium By-product Removal for Ureolytic Bio-cementation Using Meter-scale Experiments. Scientific Reports, 2019, 9, 18313.	3.3	31
16	Title is missing!. Environmental Monitoring and Assessment, 2000, 64, 299-310.	2.7	22
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	CultivatedBeggiatoaspp. define the phylogenetic root of morphologically diverse, noncultured, vacuolate sulfur bacteria. Canadian Journal of Microbiology, 2006, 52, 591-598.	1.7	21

#	Article	IF	Citations
19	Vacuolate-attached filaments: highly productive Ridgeia piscesae epibionts at the Juan de Fuca hydrothermal vents. Marine Biology, 2010, 157, 791-800.	1.5	19