Malcolm B Burbank

List of Publications by Year
in descending order

14 papers	1,419 citations	1307366 7 h-index	1588896 8 g-index
14 all docs	14 docs citations	14 times ranked	1119 citing authors

#	Article	IF	Citations
1	Studying the Relationship between Indigenous Microbial Communities, Urease Activity, and Calcite Precipitation in Artificial Mixes of Clay and Sand. , 2021, , .		0
2	Microbial-Facilitated Calcium Carbonate Precipitation as a Shallow Stabilization Alternative for Expansive Soil Treatment. Geotechnics, 2021, 1, 558-572.	1.2	4
3	Evaluating the Applicability of Biostimulated Calcium Carbonate Precipitation to Stabilize Clayey Soils. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	55
4	Application of Bio-Stimulated Calcite Precipitation to Stabilize Expansive Soils: Field Trials. , 2020, , .		6
5	Evaluating Shallow Mixing Protocols as Application Methods for Microbial Induced Calcite Precipitation Targeting Expansive Soil Treatment. , 2019, , .		11
6	Evaluating the Effectiveness of Soil-Native Bacteria in Precipitating Calcite to Stabilize Expansive Soils. , 2018, , .		11
7	Bacillus and Other Spore-Forming Genera: Variations in Responses and Mechanisms for Survival. Annual Review of Food Science and Technology, 2015, 6, 351-369.	5.1	59
8	Biogeochemical processes and geotechnical applications: progress, opportunities and challenges. , 2014, , 143-157.		36
9	Biogeochemical processes and geotechnical applications: progress, opportunities and challenges. Geotechnique, 2013, 63, 287-301.	2.2	591
10	Geotechnical Tests of Sands Following Bioinduced Calcite Precipitation Catalyzed by Indigenous Bacteria. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 928-936.	1.5	208
11	Protection of Bacillus pumilus Spores by Catalases. Applied and Environmental Microbiology, 2012, 78, 6413-6422.	1.4	27
12	Urease Activity of Ureolytic Bacteria Isolated from Six Soils in which Calcite was Precipitated by Indigenous Bacteria. Geomicrobiology Journal, 2012, 29, 389-395.	1.0	126
13	Precipitation of Calcite by Indigenous Microorganisms to Strengthen Liquefiable Soils. Geomicrobiology Journal, 2011, 28, 301-312.	1.0	254
14	Bio-Induced Calcite, Iron, and Manganese Precipitation for Geotechnical Engineering Applications. , 2011, , .		31