

Malcolm B Burbank

List of Publications by Year in descending order

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Version: 2024-02-01

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