

Nasser Hamdan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

751
citations

1163117

8
h-index

1199594

12
g-index

17
all docs

17
docs citations

17
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme-induced carbonate mineral precipitation for fugitive dust control. <i>Geotechnique</i> , 2016, 66, 546-555.	4.0	193
2	Enzyme Induced Biocementated Sand with High Strength at Low Carbonate Content. <i>Scientific Reports</i> , 2019, 9, 1135.	3.3	120
3	Carbonate Mineral Precipitation for Soil Improvement Through Microbial Denitrification. <i>Geomicrobiology Journal</i> , 2017, 34, 139-146.	2.0	84
4	Enzyme Induced Carbonate Precipitation (EICP) Columns for Ground Improvement. , 2015, , .		54
5	Crude Urease Extract for Biocementation. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	54
6	Biomimetic Hydrogel Composites for Soil Stabilization and Contaminant Mitigation. <i>Environmental Science & Technology</i> , 2016, 50, 12401-12410.	10.0	52
7	Hydrogel-Assisted Enzyme-Induced Carbonate Mineral Precipitation. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	47
8	3D DEM Simulations of Drained Triaxial Compression of Sand Strengthened Using Microbially Induced Carbonate Precipitation. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	31
9	EICP Treatment of Soil by Using Urease Enzyme Extracted from Watermelon Seeds. , 2018, , .		24
10	Carbonate Mineral Precipitation for Soil Improvement through Microbial Denitrification. , 2011, , .		23
11	Bio-Inspired Soil Improvement Using EICP Soil Columns and Soil Nails. , 2017, , .		20
12	Variability in the Unconfined Compressive Strength of EICP-Treated "Standard" Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	15
13	Longevity of Raw and Lyophilized Crude Urease Extracts. <i>Sustainable Chemistry</i> , 2021, 2, 325-334.	4.7	9
14	Enzyme-induced carbonate precipitation utilizing fresh urine and calcium-rich zeolites. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107238.	6.7	9
15	Continuous-mode acclimation and operation of lignocellulosic sulfate-reducing bioreactors for enhanced metal immobilization from acidic mining-influenced water. <i>Journal of Hazardous Materials</i> , 2022, 425, 128054.	12.4	7
16	A Stoichiometric Model for Biogeotechnical Soil Improvement. , 2016, , .		5
17	Removal of Phosphate and Nitrate from Impacted Waters via Slag-Driven Precipitation and Microbial Transformation. <i>Journal of Sustainable Water in the Built Environment</i> , 2020, 6, .	1.6	4