Abdullah Almajed

List of Publications by Year
in descending order

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30 papers	877 citations	623188 14 h-index	580395 25 g-index
30 all docs	30 docs citations	30 times ranked	355 citing authors

#	Article	IF	Citations
1	Baseline Investigation on Enzyme-Induced Calcium Carbonate Precipitation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	148
2	Enzyme Induced Biocementated Sand with High Strength at Low Carbonate Content. Scientific Reports, 2019, 9, 1135.	1.6	120
3	Mitigating wind erosion of sand using biopolymer-assisted EICP technique. Soils and Foundations, 2020, 60, 356-371.	1.3	78
4	State-of-the-Art Review of the Applicability and Challenges of Microbial-Induced Calcite Precipitation (MICP) and Enzyme-Induced Calcite Precipitation (EICP) Techniques for Geotechnical and Geoenvironmental Applications. Crystals, 2021, 11, 370.	1.0	65
5	Enzyme-Induced Carbonate Precipitation (EICP)-Based methods for ecofriendly stabilization of different types of natural sands. Journal of Cleaner Production, 2020, 274, 122627.	4.6	54
6	Biomimetic Hydrogel Composites for Soil Stabilization and Contaminant Mitigation. Environmental Science & Technology, 2016, 50, 12401-12410.	4.6	52
7	Efficacy of Enzymatically Induced Calcium Carbonate Precipitation in the Retention of Heavy Metal Ions. Sustainability, 2020, 12, 7019.	1.6	48
8	Heavy Metal Immobilization Studies and Enhancement in Geotechnical Properties of Cohesive Soils by EICP Technique. Applied Sciences (Switzerland), 2020, 10, 7568.	1.3	46
9	Improving sand wind erosion resistance using renewable agriculturally derived biopolymers. Aeolian Research, 2021, 49, 100663.	1.1	33
10	Desorption of Heavy Metals from Lime-Stabilized Arid-Soils using Different Extractants. International Journal of Civil Engineering, 2020, 18, 449-461.	0.9	29
11	Effect of Calcium-Based Derivatives on Consolidation, Strength, and Lime-Leachability Behavior of Expansive Soil. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	24
12	Bio-Inspired Soil Improvement Using EICP Soil Columns and Soil Nails. , 2017, , .		20
13	Vibration suppression of composite laminated beams using distributed piezoelectric patches. Smart Materials and Structures, 2010, 19, 115018.	1.8	18
14	Response Surface Method Analysis of Chemically Stabilized Fiber-Reinforced Soil. Materials, 2021, 14, 1535.	1.3	17
15	State-of-the-Art Review of Enzyme-Induced Calcite Precipitation (EICP) for Ground Improvement: Applications and Prospects. Geosciences (Switzerland), 2021, 11, 492.	1.0	17
16	Fabrication of sand-based novel adsorbents embedded with biochar or binding agents via calcite precipitation for sulfathiazole scavenging. Journal of Hazardous Materials, 2021, 405, 124249.	6.5	16
17	Sisal Fiber Reinforcement of EICP-Treated Soil. , 2018, , .		15
18	Permeability investigation on sand treated using enzyme-induced carbonate precipitation and biopolymers. Innovative Infrastructure Solutions, 2021, 6, 1.	1.1	13

#	Article	IF	Citations
19	A State-of-the-Art Review on Suitability of Granite Dust as a Sustainable Additive for Geotechnical Applications. Crystals, 2021, 11, 1526.	1.0	13
20	Enzyme induced cementation of biochar-intercalated soil: fabrication and characterization. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	9
21	Critical review on the efficacy of electrokinetic techniques in geotechnical and geoenvironmental applications. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	8
22	Biocementation by Sporosarcina pasteurii ATCC6453 under simulated conditions in sand columns. Journal of Materials Research and Technology, 2022, 18, 4375-4384.	2.6	7
23	Shear strength characteristics of a sand clay liner. Scientific Reports, 2020, 10, 18226.	1.6	5
24	Stabilization of sand using energy efficient materials under normal and extreme hot weathers. Journal of Cleaner Production, 2021, 285, 124914.	4.6	5
25	State-of-the-art review on geoenvironmental benign applicability of biopiles. Innovative Infrastructure Solutions, 2022, 7, 1.	1.1	5
26	Geological and geotechnical evaluation of limestone rocks along the Riyadh Metro Project (Riyadh) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	4
27	Sand Consolidation by Enzyme Mediated Calcium Carbonate Precipitation. , 2020, , .		4
28	Geotechnical Behaviour of Fly Ashâ€“Bentonite Used in Layers. Applied Sciences (Switzerland), 2022, 12, 1421.	1.3	3
29	Sustainability Benefits of Utilizing Coal Gangue as Fill Material in Earthworks. , 2022, , .		1
30	Assessment of shear strength for liner cover layers at different environmental exposures. Japanese Geotechnical Society Special Publication, 2021, 9, 118-123.	0.2	0