

Abdullah Almajed

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

370
citations

11
h-index

19
g-index

30
ext. papers

580
ext. citations

4
avg, IF

4.55
L-index

#	Paper	IF	Citations
29	Baseline Investigation on Enzyme-Induced Calcium Carbonate Precipitation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018081	3.4	66
28	Enzyme Induced Biocementated Sand with High Strength at Low Carbonate Content. <i>Scientific Reports</i> , 2019 , 9, 1135	4.9	60
27	Biomimetic Hydrogel Composites for Soil Stabilization and Contaminant Mitigation. <i>Environmental Science & Technology</i> , 2016 , 50, 12401-12410	10.3	37
26	Mitigating wind erosion of sand using biopolymer-assisted EICP technique. <i>Soils and Foundations</i> , 2020 , 60, 356-371	2.9	27
25	Heavy Metal Immobilization Studies and Enhancement in Geotechnical Properties of Cohesive Soils by EICP Technique. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7568	2.6	20
24	Efficacy of Enzymatically Induced Calcium Carbonate Precipitation in the Retention of Heavy Metal Ions. <i>Sustainability</i> , 2020 , 12, 7019	3.6	17
23	Enzyme-Induced Carbonate Precipitation (EICP)-Based methods for ecofriendly stabilization of different types of natural sands. <i>Journal of Cleaner Production</i> , 2020 , 274, 122627	10.3	16
22	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. <i>Crystals</i> , 2021 , 11, 370	2.3	16
21	Vibration suppression of composite laminated beams using distributed piezoelectric patches. <i>Smart Materials and Structures</i> , 2010 , 19, 115018	3.4	15
20	Bio-Inspired Soil Improvement Using EICP Soil Columns and Soil Nails 2017 ,		14
19	Desorption of Heavy Metals from Lime-Stabilized Arid-Soils using Different Extractants. <i>International Journal of Civil Engineering</i> , 2020 , 18, 449-461	1.9	13
18	Sisal Fiber Reinforcement of EICP-Treated Soil 2018 ,		10
17	Improving sand wind erosion resistance using renewable agriculturally derived biopolymers. <i>Aeolian Research</i> , 2021 , 49, 100663	3.9	10
16	Effect of Calcium-Based Derivatives on Consolidation, Strength, and Lime-Leachability Behavior of Expansive Soil. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020048	3	9
15	Fabrication of sand-based novel adsorbents embedded with biochar or binding agents via calcite precipitation for sulfathiazole scavenging. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124249	12.8	9
14	Response Surface Method Analysis of Chemically Stabilized Fiber-Reinforced Soil. <i>Materials</i> , 2021 , 14,	3.5	8
13	Enzyme induced cementation of biochar-intercalated soil: fabrication and characterization. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	7

12	Shear strength characteristics of a sand clay liner. <i>Scientific Reports</i> , 2020 , 10, 18226	4.9	4
11	A State-of-the-Art Review on Suitability of Granite Dust as a Sustainable Additive for Geotechnical Applications. <i>Crystals</i> , 2021 , 11, 1526	2.3	3
10	Sand Consolidation by Enzyme Mediated Calcium Carbonate Precipitation 2020 ,		2
9	Permeability investigation on sand treated using enzyme-induced carbonate precipitation and biopolymers. <i>Innovative Infrastructure Solutions</i> , 2021 , 6, 1	2.3	2
8	Geological and geotechnical evaluation of limestone rocks along the Riyadh Metro Project (Riyadh City, Saudi Arabia). <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	2
7	State-of-the-art review on geoenvironmental benign applicability of biopiles. <i>Innovative Infrastructure Solutions</i> , 2022 , 7, 1	2.3	1
6	Critical review on the efficacy of electrokinetic techniques in geotechnical and geoenvironmental applications. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	1
5	Biocementation by <i>Sporosarcina pasteurii</i> ATCC6453 under simulated conditions in sand columns. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 4375-4384	5.5	1
4	Geotechnical Behaviour of Fly Ash Bentonite Used in Layers. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1421	2.6	0
3	State-of-the-Art Review of Enzyme-Induced Calcite Precipitation (EICP) for Ground Improvement: Applications and Prospects. <i>Geosciences (Switzerland)</i> , 2021 , 11, 492	2.7	0
2	Stabilization of sand using energy efficient materials under normal and extreme hot weathers. <i>Journal of Cleaner Production</i> , 2021 , 285, 124914	10.3	0
1	Assessment of shear strength for liner cover layers at different environmental exposures. <i>Japanese Geotechnical Society Special Publication</i> , 2021 , 9, 118-123	0.2	