

Ning-Jun Jiang

List of Publications by Year in descending order

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48
papers

2,398
citations

304368

22
h-index

329751

37
g-index

51
all docs

51
docs citations

51
times ranked

1242
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of biochar-amended alkali-activated slag on the stabilization of coral sand in coastal areas. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 760-772.	3.7	5
2	Compressibility characteristics of bio-cemented calcareous sand treated through the bio-stimulation approach. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 510-522.	3.7	12
3	Bio-mediated soil improvement: An introspection into processes, materials, characterization and applications. <i>Soil Use and Management</i> , 2022, 38, 68-93.	2.6	43
4	Stabilization/solidification of contaminated soils: a case study. , 2022, , 75-92.		3
5	Biochemical, Strength and Erosional Characteristics of Coral Sand Treated by Bio-Stimulated Microbial Induced Calcite Precipitation. <i>Acta Geotechnica</i> , 2022, 17, 4217-4229.	2.9	8
6	Automated Graffiti Detection: A Novel Approach to Maintaining Historical Architecture in Communities. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2983.	1.3	2
7	Deep learning based approach for the instance segmentation of clayey soil desiccation cracks. <i>Computers and Geotechnics</i> , 2022, 146, 104733.	2.3	14
8	Environmental geotechnics: challenges and opportunities in the post-Covid-19 world. <i>Environmental Geotechnics</i> , 2021, 8, 172-192.	1.3	23
9	Discussion of "About calcium carbonate precipitation on sand biocementation" by Rafaela Cardoso, Rita Pedreira, Sofia O.D. Duarte, and Gabriel A. Monteiro. <i>Engineering Geology</i> , 2021, 282, 105726.	2.9	6
10	An experimental study of mitigating coastal sand dune erosion by microbial- and enzymatic-induced carbonate precipitation. <i>Acta Geotechnica</i> , 2021, 16, 467-480.	2.9	82
11	Triaxial behavior of cement-stabilized organic matter "disseminated sand. <i>Acta Geotechnica</i> , 2021, 16, 211-220.	2.9	28
12	Application of microbially induced carbonate precipitation to form bio-cemented artificial sandstone. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, , .	3.7	59
13	Geotechnical and geoenvironmental engineering education during the pandemic. <i>Environmental Geotechnics</i> , 2021, 8, 233-243.	1.3	7
14	Dynamic behavior of cement-stabilized organic-matter-disseminated sand under cyclic triaxial condition. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 147, 106777.	1.9	16
15	Bio-mediated method for improving surface erosion resistance of clayey soils. <i>Engineering Geology</i> , 2021, 293, 106295.	2.9	33
16	Proposal for an initial screening method for identifying microplastics in marine sediments. <i>Scientific Reports</i> , 2021, 11, 20651.	1.6	3
17	A preliminary study of carbonate sand stabilization by bio-stimulation based MICP method. <i>Japanese Geotechnical Society Special Publication</i> , 2021, 9, 282-286.	0.2	0
18	A laboratory investigation of coastal sand stabilization using biochar-enhanced alkali-activated slag. <i>Japanese Geotechnical Society Special Publication</i> , 2021, 9, 292-295.	0.2	0

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19	Effects of acid rain on physical, mechanical and chemical properties of GGBSâ€MgO-solidified/stabilized Pb-contaminated clayey soil. <i>Acta Geotechnica</i> , 2020, 15, 923-932.	2.9	66
20	The effect of enrichment media on the stimulation of native ureolytic bacteria in calcareous sand. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1795-1808.	1.8	30
21	Effect of aluminate content in cement on the long-term sulfate resistance of cement stabilized sand. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 844-853.	1.2	7
22	Bioâ€mediated soil improvement: The way forward. <i>Soil Use and Management</i> , 2020, 36, 185-188.	2.6	51
23	Restraint of Particle Breakage by Biotreatment Method. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	109
24	Investigations on biosorption and biogenic calcite precipitation in sands. <i>Soil Use and Management</i> , 2020, 37, 772.	2.6	4
25	Special Issue on â€Materials and Processes for Ground Engineering Infrastructureâ€. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2020, 6, 1.	0.9	0
26	Stabilization of Calcareous Sand by Applying the Admixture of Alkali-Activated Slag (AAS) and Biochar. , 2020, , .		4
27	Factors affecting the performance of microbial-induced carbonate precipitation (MICP) treated soil: a review. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	184
28	Applicability of Microbial Calcification Method for Sandy-Slope Surface Erosion Control. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	102
29	Microbial induced carbonate precipitation for immobilizing Pb contaminants: Toxic effects on bacterial activity and immobilization efficiency. <i>Science of the Total Environment</i> , 2019, 672, 722-731.	3.9	160
30	Erosional behavior of gravel-sand mixtures stabilized by microbially induced calcite precipitation (MICP). <i>Soils and Foundations</i> , 2019, 59, 699-709.	1.3	52
31	Enriching Indigenous Ureolytic Bacteria in Coastal Beach Sand. <i>Environmental Science and Engineering</i> , 2019, , 340-347.	0.1	1
32	Durability of lightweight alkali-activated ground granulated blast furnace slag (GGBS) stabilized clayey soils subjected to sulfate attack. <i>Applied Clay Science</i> , 2018, 161, 70-75.	2.6	78
33	A High-Pressure Plane-Strain Testing System to Evaluate Microbially Induced Calcite Precipitation as a Sand Production Control Method. , 2018, , 499-506.		1
34	Undergraduate Geotechnical Engineering Education of the 21st Century. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2017, 143, .	0.9	10
35	Microbially Induced Carbonate Precipitation for Seepage-Induced Internal Erosion Control in Sandâ€Clay Mixtures. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	1.5	159
36	Physical, Hydraulic, and Mechanical Properties of Clayey Soil Stabilized by Lightweight Alkali-Activated Slag Geopolymer. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	1.3	71

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37	The applicability of microbially induced calcite precipitation (MICP) for internal erosion control in gravel-sand mixtures. <i>Geotechnique</i> , 2017, 67, 42-55.	2.2	185
38	Field evaluation of soft highway subgrade soil stabilized with calcium carbide residue. <i>Soils and Foundations</i> , 2016, 56, 301-314.	1.3	103
39	Ureolytic activities of a urease-producing bacterium and purified urease enzyme in the anoxic condition: Implication for subseafloor sand production control by microbially induced carbonate precipitation (MICP). <i>Ecological Engineering</i> , 2016, 90, 96-104.	1.6	91
40	Multi-scale laboratory evaluation of the physical, mechanical, and microstructural properties of soft highway subgrade soil stabilized with calcium carbide residue. <i>Canadian Geotechnical Journal</i> , 2016, 53, 373-383.	1.4	124
41	Experimental investigation of the compressibility behaviour of cement-solidified/stabilised zinc-contaminated kaolin clay. <i>Geotechnique Letters</i> , 2014, 4, 27-32.	0.6	11
42	Engineering properties and microstructural characteristics of cement-stabilized zinc-contaminated kaolin. <i>Canadian Geotechnical Journal</i> , 2014, 51, 289-302.	1.4	283
43	Experimental Study of the Mitigation of Soil Internal Erosion by Microbially Induced Calcite Precipitation. , 2014, , .		13
44	On the Compressibility of Cement Stabilized Zinc-Contaminated Kaolin Clay. , 2013, , .		0
45	Compression Behavior of Zinc Contaminated Clayey Soils Solidified with Cement. , 2012, , .		3
46	Experimental investigation of influence of acid rain on leaching and hydraulic characteristics of cement-based solidified/stabilized lead contaminated clay. <i>Journal of Hazardous Materials</i> , 2012, 225-226, 195-201.	6.5	130
47	Effect of Acid Rain on Chemical and Hydraulic Properties of Cement Solidified/Stabilized Lead Contaminated Marine Soft Clay. , 2012, , .		1
48	Extraction, characterisation and remediation of microplastics from organic solid matrices. <i>Environmental Geotechnics</i> , 0, , 1-34.	1.3	11