Han-jiang Lai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8543517/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Influence of cementation level on the strength behaviour of bio-cemented sand. Acta Geotechnica, 2017, 12, 971-986.	5.7	218
2	A simplified method for analysis of a piled embankment reinforced with geosynthetics. Geotextiles and Geomembranes, 2009, 27, 39-52.	4.6	153
3	One-phase-low-pH enzymeÂinduced carbonate precipitation (EICP) method for soil improvement. Acta Geotechnica, 2021, 16, 481-489.	5.7	94
4	Classification and characteristics of soil arching structures in pile-supported embankments. Computers and Geotechnics, 2018, 98, 153-171.	4.7	69
5	"Soil arching―for piled embankments: insights from stress redistribution behaviour of DEM modelling. Acta Geotechnica, 2020, 15, 2117-2136.	5.7	51
6	Bio-mediated calcium carbonate precipitation and its effect on the shear behaviour of calcareous sand. Acta Geotechnica, 2021, 16, 1377-1389.	5.7	47
7	Retarding effect of concentration of cementation solution on biocementation of soil. Acta Geotechnica, 2021, 16, 1457-1472.	5.7	44
8	Visualization of the formation and features of soil arching within a piled embankment by discrete element method simulation. Journal of Zhejiang University: Science A, 2016, 17, 803-817.	2.4	32
9	Effect of waste rubber particles on the shear behaviour of bio-cemented calcareous sand. Acta Geotechnica, 2021, 16, 1429-1439.	5.7	18
10	Strength behavior of dredged mud slurry treated jointly by cement, flocculant and vacuum preloading. Acta Geotechnica, 2022, 17, 2581-2596.	5.7	15
11	Modified one-phase-low-pH method for bacteria or enzyme-induced carbonate precipitation for soil improvement. Acta Geotechnica, 2022, 17, 2931-2941.	5.7	15
12	Flocculation–solidification combined method for treatment of hydraulically dredged mud at extra high water content. Acta Geotechnica, 2020, 15, 1685-1698.	5.7	13
13	Comparison of soil improvement methods using crude soybean enzyme, bacterial enzyme or bacteria-induced carbonate precipitation. Geotechnique, 2024, 74, 18-26.	4.0	13
14	Improved Analytical Soil Arching Model for the Design of Piled Embankments. International Journal of Geomechanics, 2021, 21, .	2.7	10
15	Analytical model for two-dimensional electro-osmosis-enhanced preloading consolidation of unsaturated soil. Acta Geotechnica, 2023, 18, 1093-1110.	5.7	9
16	An anionic biopolymer Î ³ -polyglutamate enhanced the microbially induced carbonate precipitation for soil improvement: mechanical behaviors and underlying mechanism. Acta Geotechnica, 2022, 17, 4485-4496.	5.7	8
17	Reasonable application range of flocculation–solidification combined method in treatment of hydraulically dredged mud slurry. Marine Georesources and Geotechnology, 2022, 40, 370-382.	2.1	5