

Xian-Lei Fu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Membrane behavior and diffusion properties of sand/SHMP-amended bentonite vertical cutoff wall backfill exposed to lead contamination. <i>Engineering Geology</i> , 2021, 284, 106037.	6.3	30
2	Hydraulic Conductivity of Sand/Biopolymer-Amended Bentonite Backfills in Vertical Cutoff Walls Permeated with Lead Solutions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	25
3	Analytical solutions for the consolidation of unsaturated foundation with prefabricated vertical drain. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 2263-2282.	3.3	22
4	Semianalytical Solutions to the Consolidation of Drainage Well Foundations in Unsaturated Soils with Radial Semipermeable Drainage Boundary under Time-Dependent Loading. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	18
5	Enhanced contaminant retardation by novel modified calcium bentonite backfill in slurry trench cutoff walls. <i>Construction and Building Materials</i> , 2022, 320, 126285.	7.2	16
6	Consolidation of Unsaturated Drainage Well Foundation with Smear Effect under Time-Dependent Loading. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 768-781.	1.9	15
7	Heavy metals containment by vertical cutoff walls backfilled with novel reactive magnesium-activated slag-bentonite-sand: Membrane and diffusion behavior. <i>Journal of Cleaner Production</i> , 2021, 328, 129623.	9.3	15
8	Assessment of membrane and diffusion behavior of soil-bentonite slurry trench wall backfill consisted of sand and Xanthan gum amended bentonite. <i>Journal of Cleaner Production</i> , 2022, 365, 132779.	9.3	9
9	Hydraulic conductivity of novel geosynthetic clay liner to bauxite liquor from China: Modified fluid loss test evaluation. <i>Journal of Environmental Management</i> , 2022, 316, 115208.	7.8	6
10	A modified Kozeny-Carman equation for predicting saturated hydraulic conductivity of compacted bentonite in confined condition. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 984-993.	8.1	5
11	Optimal array layout of cylindrical baffles to reduce energy of rock avalanche. <i>Journal of Mountain Science</i> , 2022, 19, 493-512.	2.0	5
12	Investigation of Hydraulic Conductivity of SHMP Amended Soil-Bentonite Backfills Exposed to Lead-Impacted Groundwater. <i>Sustainable Civil Infrastructures</i> , 2021, , 1-13.	0.2	3
13	Experimental Study on the Damage of Bridge Pier under the Impact of Rockfall. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-18.	0.7	3
14	Field Investigation of Effect of Plants on Cracks of Compacted Clay Covers at a Contaminated Site. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7248.	2.6	2
15	Analysis of One-Dimensional Consolidation for Unsaturated Soils under Piecewise Cyclic Loading. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.	0.7	0
16	Reversibility of micro and macrostructure in compacted bentonite under chemo-mechanical couplings. <i>Japanese Geotechnical Society Special Publication</i> , 2021, 9, 20-25.	0.2	0
17	Effects of calcium carbonate on hydro-mechanical properties of bentonite. <i>E3S Web of Conferences</i> , 2020, 198, 01053.	0.5	0