Yu-min Chen

List of Publications by Year
in descending order

26 papers	683 citations	759233 12 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	451 citing authors

#	Article	IF	Citations
1	Application of deep learning algorithms in geotechnical engineering: a short critical review. Artificial Intelligence Review, 2021, 54, 5633-5673.	15.7	223
2	Wave Propagation in a Pipe Pile for Low-Strain Integrity Testing. Journal of Engineering Mechanics - ASCE, 2011, 137, 598-609.	2.9	74
3	Bounding Surface Plasticity Model Incorporating the State Pressure Index for Rockfill Materials. Journal of Engineering Mechanics - ASCE, 2014, 140, .	2.9	74
4	Influence of Intermediate Principal Stress on the Strength and Dilatancy Behavior of Rockfill Material. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	43
5	Monotonic and cyclic behaviors of loose anisotropically consolidated calcareous sand in torsional shear tests. Marine Georesources and Geotechnology, 2019, 37, 438-451.	2.1	34
6	Stressâ€“dilatancy behaviors of coarse granular soils in three-dimensional stress space. Engineering Geology, 2015, 195, 104-110.	6.3	32
7	Strength and Dilatancy of Silty Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	29
8	A constitutive model for the state-dependent behaviors of rockfill material considering particle breakage. Science China Technological Sciences, 2014, 57, 1636-1646.	4.0	27
9	Creep behavior of EPS composite soil. Science China Technological Sciences, 2012, 55, 3070-3080.	4.0	23
10	First application of cast-in-place concrete large-diameter pipe (PCC) pile-reinforced railway foundation: a field study. Canadian Geotechnical Journal, 2016, 53, 708-716.	2.8	22
11	Experimental study on the cyclic behavior of loose calcareous sand under linear stress paths. Marine Georesources and Geotechnology, 2020, 38, 277-290.	2.1	20
12	Physical modeling of lateral spreading induced by inclined sandy foundation in the state of zero effective stress. Soil Dynamics and Earthquake Engineering, 2015, 76, 80-85.	3.8	14
13	Laboratory study on flow characteristics of liquefied and post-liquefied sand. European Journal of Environmental and Civil Engineering, 2013, 17, s23-s32.	2.1	12
14	Development technology of rigidity-drain pile and numerical analysis of its anti-liquefaction characteristics. Central South University, 2008, 15, 101-107.	0.5	8
15	Cyclic Response of Loose Anisotropically Consolidated Calcareous Sand under Progressive Waveâ€“Induced Elliptical Stress Paths. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	8
16	Study of the seismic performance of hybrid A-frame micropile/MSE (mechanically stabilized earth) wall. Earthquake Engineering and Engineering Vibration, 2017, 16, 275-295.	2.3	7
17	Numerical investigation on the impact resistance of road barriers of Micropile-MSE Wall for subgrade. Computers and Geotechnics, 2017, 82, 249-265.	4.7	7
18	Cyclic strength of loose anisotropically-consolidated calcareous sand under standing waves and assessment using the unified cyclic stress ratio. Engineering Geology, 2021, 289, 106171.	6.3	7

#	Article	IF	Citations
19	Model Test Study on Oil Leakage and Underground Pipelines Using Ground Penetrating Radar. Russian Journal of Nondestructive Testing, 2020, 56, 435-444.	0.9	5
20	In situ desaturation tests by electrolysis for liquefaction mitigation. Canadian Geotechnical Journal, 2021, 58, 1744-1756.	2.8	4
21	Study on the performance of the micropile-mechanically stabilized earth wall. Journal of Mountain Science, 2018, 15, 825-844.	2.0	3
22	Experimental study on deformation of a sandy field liquefied by blasting. Soil Dynamics and Earthquake Engineering, 2019, 116, 60-68.	3.8	3
23	Blast Liquefaction Test of Saturated Sand Foundations Disposed by a Drainage Rigid Pile. Shock and Vibration, 2022, 2022, 1-18.	0.6	2
24	Working mechanism and numerical simulation of assembly coastal building techniques. Central South University, 2008, 15, 180-185.	0.5	1
25	Model Test Study on the Influence of Train Speed on the Dynamic Response of an X-Section Pile-Net Composite Foundation. Shock and Vibration, 2019, 2019, 1-13.	0.6	1
26	Microscopic Mechanism Analysis of Calcareous Sand in Electrolysis Desaturation Using 1H L-F NMR. Canadian Geotechnical Journal, 0, , .	2.8	0