

Wen-Bo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

471
citations

687363

13
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of permanent axial strain of granular materials subjected to cyclic loading based on shakedown theory. <i>Construction and Building Materials</i> , 2019, 198, 751-761.	7.2	59
2	Accumulated Permanent Axial Strain of a Subgrade Fill under Cyclic High-Speed Railway Loading. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	45
3	Stress-Strain behaviour of Cement-Stabilized Hong Kong marine deposits. <i>Construction and Building Materials</i> , 2021, 274, 122103.	7.2	35
4	New Simple Method for Calculating Impact Force on Flexible Barrier Considering Partial Muddy Debris Flow Passing Through. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, 04019051.	3.0	27
5	Influence of matric suction on nonlinear time-dependent compression behavior of a granular fill material. <i>Acta Geotechnica</i> , 2020, 15, 615-633.	5.7	25
6	Crushing and Flooding Effects on One-Dimensional Time-Dependent Behaviors of a Granular Soil. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	25
7	Effects of water content on resilient modulus of a granular material with high fines content. <i>Construction and Building Materials</i> , 2020, 236, 117542.	7.2	23
8	A new simplified method for calculating consolidation settlement of multi-layer soft soils with creep under multi-stage ramp loading. <i>Engineering Geology</i> , 2020, 264, 105322.	6.3	22
9	New Model for Predicting Permanent Strain of Granular Materials in Embankment Subjected to Low Cyclic Loadings. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	19
10	The stress-strain behaviour and critical state parameters of an unsaturated granular fill material under different suctions. <i>Acta Geotechnica</i> , 2020, 15, 3383-3398.	5.7	18
11	LVDTs-based radial strain measurement system for static and cyclic behavior of geomaterials. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 155, 107526.	5.0	16
12	Time and Strain-Rate Effects on Viscous Stress-strain Behavior of Plasticine Material. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	14
13	Creep Coefficient of Binary Sand-Bentonite Mixtures in Oedometer Testing Using Mixture Theory. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	13
14	A micromechanical-based study on the tribological and creep-relaxation behavior of sand-FRP composite interfaces. <i>Composite Structures</i> , 2021, 275, 114423.	5.8	13
15	Experimental study on geosynthetic-reinforced sand fill over marine clay with or without deep cement mixed soil columns under different loadings. <i>Underground Space (China)</i> , 2019, 4, 340-347.	7.5	12
16	A new double-cell system for measuring volume change of a soil specimen under monotonic or cyclic loading. <i>Acta Geotechnica</i> , 2019, 14, 71-81.	5.7	12
17	Experimental and Numerical Studies on the Performances of Stone Column and Sand Compaction Pile-Reinforced Hong Kong Marine Clay. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	12
18	Evaluating the environmental impact of contaminated sediment column stabilized by deep cement mixing. <i>Chemosphere</i> , 2020, 261, 127755.	8.2	10

#	ARTICLE	IF	CITATIONS
19	Case study on long-term ground settlement of reclamation project on clay deposits in Nansha of China. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 372-387.	2.1	10
20	Novel fiber Bragg Grating-based strain gauges for monitoring dynamic responses of <i>Celtis sinensis</i> under typhoon conditions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108966.	5.0	9
21	One-Dimensional Consolidation of Multilayered Soil with Continuous Drainage Boundaries and Under Time-Dependent Loading. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	9
22	New fiber Bragg grating (FBG)-based device for measuring small and large radial strains in triaxial apparatus. <i>Canadian Geotechnical Journal</i> , 0, , 1-5.	2.8	8
23	Nonlinear Model for the Stress-Strain-Strength Behavior of Unsaturated Granular Materials. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	8
24	Development of a monitoring and warning system based on optical fiber sensing technology for masonry retaining walls and trees. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 1064-1076.	8.1	8
25	Shaft Friction Characteristics of Two FRP Seawater Sea-Sand Concrete Piles in a Rock Socket with or without Debris. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	6
26	Partially drained cyclic behaviour of granular fill material in triaxial condition. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106355.	3.8	5
27	Development and performance of new simplified method for soft soil with creep under multi-staged loading. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 431-447.	2.1	5
28	CNN-Based Intelligent Method for Identifying GSD of Granular Soils. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	3
29	Closure to "New Model for Predicting Permanent Strain of Granular Materials in Embankment Subjected to Low Cyclic Loadings" by Wen-Bo Chen, Wei-Qiang Feng, Jian-Hua Yin, Jin-Miao Chen, Lalit Borana, and Ren-Peng Chen. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, 07021027.	3.0	0
30	Experimental Investigation on the Settlement of Fills under Saturated and Unsaturated Conditions. , 2017, , .		0
31	A novel multifunctional apparatus for testing unsaturated soils. <i>Acta Geotechnica</i> , 2021, 16, 3761.	5.7	0
32	Evaluation of hydraulic conductivity of gap-graded granular soils based on equivalent void ratio concept. <i>Acta Geotechnica</i> , 0, , 1.	5.7	0