

Tong Qiu

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

444
citations

687363

13
h-index

752698

20
g-index

34
all docs

34
docs citations

34
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Laboratory Testing Using SmartRock and Discrete Element Modeling of Ballast Particle Movement. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	62
2	Simulation of Collapse of Granular Columns Using the Discrete Element Method. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	58
3	Simulation of earthquake-induced slope deformation using SPH method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014, 38, 297-330.	3.3	33
4	Characterization of Ballast Particle Movement at Mud Spot. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	30
5	Locating Global Critical Slip Surface Using the Morgenstern-Price Method and Optimization Technique. <i>International Journal of Geomechanics</i> , 2014, 14, 319-325.	2.7	24
6	Evaluation of Prediction Methods for Lateral Deformation of GRS Walls and Abutments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .	3.0	24
7	Impact force to a rigid obstruction from a granular mass sliding down a smooth incline. <i>Acta Geotechnica</i> , 2018, 13, 1433-1450.	5.7	20
8	Investigation of basal friction effects on impact force from a granular sliding mass to a rigid obstruction. <i>Landslides</i> , 2019, 16, 1089-1105.	5.4	17
9	Comparison of SPH boundary approaches in simulating frictional soil-structure interaction. <i>Acta Geotechnica</i> , 2021, 16, 2389-2408.	5.7	16
10	Effective Soil Density for Small-Strain Shear Waves in Saturated Granular Materials. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015, 141, .	3.0	15
11	Simulation of quasi-static axisymmetric collapse of granular columns using smoothed particle hydrodynamics and discrete element methods. <i>Acta Geotechnica</i> , 2020, 15, 423-437.	5.7	15
12	Measuring the migration of subgrade fine particles into subbase using scaled accelerated flexible pavement testing – a laboratory study. <i>Road Materials and Pavement Design</i> , 2019, 20, 36-57.	4.0	14
13	Effects of Soil Conditioning on Tool Wear for Earth Pressure Balance Shield Tunneling in Sandy Gravel Based on Laboratory Test. <i>Journal of Testing and Evaluation</i> , 2021, 49, 2692-2706.	0.7	14
14	Dynamic acceleration response of a rock slope with a horizontal weak interlayer in shaking table tests. <i>PLoS ONE</i> , 2021, 16, e0250418.	2.5	12
15	Field Tests and Numerical Modeling of Vehicle Impacts on a Boulder Embedded in Compacted Fill. <i>International Journal of Protective Structures</i> , 2014, 5, 435-451.	2.3	9
16	Characterization of High RAP/RAS Asphalt Mixtures Using Resonant Column Tests. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	9
17	Simulation of Quasi-Static and Dynamic Collapses of Rectangular Granular Columns Using Smoothed Particle Hydrodynamics Method. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	9
18	Analytical Study of the Permeability of a Foam-Conditioned Soil. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	9

#	ARTICLE	IF	CITATIONS
19	Time-Dependent Cone Penetration Resistance of a Postliquefaction Sand Deposit at Shallow Depth. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	7
20	Characterization of Warm Mix Asphalt through Resonant Column Testing. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, 05015001.	2.9	6
21	A Numerical Investigation of Laterally Loaded Steel Fin Pile Foundation in Sand. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	6
22	Field-scale testing and numerical investigation of soil-boulder interaction under vehicular impact using FEM and coupled FEM-SPH formulations. <i>International Journal of Protective Structures</i> , 2016, 7, 77-99.	2.3	5
23	Optimization of constitutive model parameters for simulation of polystyrene concrete subjected to impact. <i>International Journal of Protective Structures</i> , 2018, 9, 121-140.	2.3	5
24	Constructing a Large-Scale Landslide Database Across Heterogeneous Environments Using Task-Specific Model Updates. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 4349-4370.	4.9	5
25	Field testing and numerical investigation of streetscape vehicular anti-ram barriers under vehicular impact using FEM-only and coupled FEM-SPH simulations. <i>International Journal of Protective Structures</i> , 2016, 7, 213-231.	2.3	3
26	Field test and numerical modeling of vehicle impact on a boulder with impact-induced fractures. <i>International Journal of Protective Structures</i> , 2016, 7, 3-17.	2.3	3
27	Effects of Backfill Constitutive Behavior and Soil-Geotextile Interface Properties on Deformations of Geosynthetic-Reinforced Soil Piers under Static Axial Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	3
28	Simulation of Split Hopkinson Pressure Bar Tests on Sands Using the Discrete-Element Method. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	3
29	Energy Dissipation in Nearly Saturated Poroviscoelastic Soil Columns during Quasi-Static Compressional Excitations. <i>Journal of Engineering Mechanics - ASCE</i> , 2012, 138, 1263-1274.	2.9	2
30	Constitutive, Physical, and Numerical Modeling in Transportation Geotechnics. <i>International Journal of Geomechanics</i> , 2013, 13, 331-331.	2.7	2
31	Failure characteristics of landslide dams considering dam formation features in laboratory experiments. <i>Landslides</i> , 2022, 19, 2379-2395.	5.4	2
32	A Field Study of Dynamic Compaction in the Construction of a Stone-Filled Embankment. <i>Journal of Testing and Evaluation</i> , 2021, 49, 20190671.	0.7	1
33	DEM Investigation of Energy Dissipation at Particle Contacts in Granular Soil Under Cyclic Torsional Shear. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	1
34	Piecewise-Linear Modeling of Combined Vacuum and Surcharge Preloading at the Second Bangkok International Airport. , 2016, , .		0