

Tong Qiu

List of Publications by Year in descending order

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34
papers

444
citations

687363

13
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34
all docs

34
docs citations

34
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A Numerical Investigation of Laterally Loaded Steel Fin Pile Foundation in Sand. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	6
4	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
5	Failure characteristics of landslide dams considering dam formation features in laboratory experiments. <i>Landslides</i> , 2022, 19, 2379-2395.	5.4	2
6	Comparison of SPH boundary approaches in simulating frictional soil-structure interaction. <i>Acta Geotechnica</i> , 2021, 16, 2389-2408.	5.7	16
7	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
8	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
9	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
10	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
11	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
12	Analytical Study of the Permeability of a Foam-Conditioned Soil. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	9
13	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
14	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
15	Characterization of Ballast Particle Movement at Mud Spot. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	30
16	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
17	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
18	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

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19	Simulation of Quasi-Static and Dynamic Collapses of Rectangular Granular Columns Using Smoothed Particle Hydrodynamics Method. International Journal of Geomechanics, 2018, 18, .	2.7	9
20	Comparison of Laboratory Testing Using SmartRock and Discrete Element Modeling of Ballast Particle Movement. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	62
21	Evaluation of Prediction Methods for Lateral Deformation of GRS Walls and Abutments. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	24
22	Characterization of High RAP/RAS Asphalt Mixtures Using Resonant Column Tests. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	9
23	Field testing and numerical investigation of streetscape vehicular anti-ram barriers under vehicular impact using FEM-only and coupled FEM-SPH simulations. International Journal of Protective Structures, 2016, 7, 213-231.	2.3	3
24	Field test and numerical modeling of vehicle impact on a boulder with impact-induced fractures. International Journal of Protective Structures, 2016, 7, 3-17.	2.3	3
25	Piecewise-Linear Modeling of Combined Vacuum and Surcharge Preloading at the Second Bangkok International Airport. , 2016, , .		0
26	Field-scale testing and numerical investigation of soil-boulder interaction under vehicular impact using FEM and coupled FEM-SPH formulations. International Journal of Protective Structures, 2016, 7, 77-99.	2.3	5
27	Simulation of Collapse of Granular Columns Using the Discrete Element Method. International Journal of Geomechanics, 2015, 15, .	2.7	58
28	Effective Soil Density for Small-Strain Shear Waves in Saturated Granular Materials. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	15
29	Characterization of Warm Mix Asphalt through Resonant Column Testing. Journal of Materials in Civil Engineering, 2015, 27, 05015001.	2.9	6
30	Simulation of earthquake-induced slope deformation using SPH method. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 297-330.	3.3	33
31	Locating Global Critical Slip Surface Using the Morgenstern-Price Method and Optimization Technique. International Journal of Geomechanics, 2014, 14, 319-325.	2.7	24
32	Field Tests and Numerical Modeling of Vehicle Impacts on a Boulder Embedded in Compacted Fill. International Journal of Protective Structures, 2014, 5, 435-451.	2.3	9
33	Constitutive, Physical, and Numerical Modeling in Transportation Geotechnics. International Journal of Geomechanics, 2013, 13, 331-331.	2.7	2
34	Energy Dissipation in Nearly Saturated Poroviscoelastic Soil Columns during Quasi-Static Compressional Excitations. Journal of Engineering Mechanics - ASCE, 2012, 138, 1263-1274.	2.9	2