Jun Hu

List of Publications by Year
in descending order

39 papers	559 citations	623734 14 h-index	642732 23 g-index
39 all docs	39 docs citations	39 times ranked	391 citing authors

#	Article	IF	Citations
1	Finite Element Study on Temperature Field of Underwater Dredging Devices via the Artificial Ground Freezing Method. Geofluids, 2022, 2022, 1-12.	0.7	2
2	The Î-Formed Diaphragm Wall Construction for Departure and Reception of Shield Machine. Sustainability, 2022, 14, 7653.	3.2	1
3	Triaxial behavior of cement-stabilized organic matterâ€“disseminated sand. Acta Geotechnica, 2021, 16, 211-220.	5.7	28
4	Triaxial Mechanical Properties and Micromechanism of Calcareous Sand Modified by Nanoclay and Cement. Geofluids, 2021, 2021, 1-9.	0.7	3
5	Simulation of response spectrum-compatible ground motions using wavelet-based multi-resolution analysis. Measurement and Control, 2021, 54, 641-646.	1.8	5
6	Modeling Seepage Flow and Spatial Variability of Soil Thermal Conductivity during Artificial Ground Freezing for Tunnel Excavation. Applied Sciences (Switzerland), 2021, 11, 6275.	2.5	10
7	Laboratory Investigations into the Bearing Capacity of Straw Bales for Low-Rise Building Applications. Advances in Civil Engineering, 2021, 2021, 1-10.	0.7	2
8	Finite element study on temperature field of subway connection aisle construction via artificial ground freezing method. Cold Regions Science and Technology, 2021, 189, 103327.	3.5	14
9	Numerical Modeling of 3D Slopes with Weak Zones by Random Field and Finite Elements. Applied Sciences (Switzerland), 2021, 11, 9852.	2.5	3
10	An Analytical Method for Elastic Seismic Response of Structures Considering the Effect of Ground Motion Duration. Applied Sciences (Switzerland), 2021, 11, 10949.	2.5	1
11	Strength evaluation of marine clay stabilized by cementitious binder. Marine Georesources and Geotechnology, 2020, 38, 730-743.	2.1	41
12	Finite Element Analysis of Natural Thawing Heat Transfer of Artificial Frozen Soil in Shield-Driven Tunnelling. Advances in Civil Engineering, 2020, 2020, 1-18.	0.7	4
13	A New Elastoplastic Time-History Analysis Method for Frame Structures. Advances in Civil Engineering, 2020, 2020, 1-8.	0.7	0
14	Unconfined Mechanical Properties of Nanoclay Cement Compound Modified Calcareous Sand of the South China Sea. Advances in Civil Engineering, 2020, 2020, 1-16.	0.7	10
15	A three-dimensional algorithm for estimating water-tightness of cement-treated ground with geometric imperfections. Computers and Geotechnics, 2019, 115, 103176.	4.7	14
16	Site Measurement and Study of Vertical Freezing Wall Temperatures of a Large-Diameter Shield Tunnel. Advances in Civil Engineering, 2019, 2019, 1-11.	0.7	12
17	Numerical Analysis for U-Shaped Thin-Walled Structure Reinforced Timber Beam Based on Thin-Layer Beam Theory. Advances in Civil Engineering, 2019, 2019, 1-10.	0.7	0
18	Artificial Ground Freezing In Tunnelling Through Aquifer Soil Layers: a Case Study in Nanjing Metro Line 2. KSCE Journal of Civil Engineering, 2018, 22, 4136-4142.	1.9	31

#	Article	IF	Citations
19	Effect of Lattice Leg and Sleeve on the Transient Vertical Bearing Capacity of Deeply Penetrated Spudcans in Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	6
20	Statistical Evaluation of the Load-Settlement Response of a Multicolumn Composite Foundation. International Journal of Geomechanics, 2018, 18, .	2.7	17
21	Lateral compression response of overlapping jet-grout columns with geometric imperfections in radius and position. Canadian Geotechnical Journal, 2018, 55, 1282-1294.	2.8	18
22	Probabilistic stability analyses of undrained slopes by 3D random fields and finite element methods. Geoscience Frontiers, 2018, 9, 1657-1664.	8.4	105
23	Rock-soil slope stability analysis by two-phase random media and finite elements. Geoscience Frontiers, 2018, 9, 1649-1655.	8.4	39
24	Soil-Rock Slope Stability Analysis by Considering the Nonuniformity of Rocks. Mathematical Problems in Engineering, 2018, 2018, 1-15.	1.1	19
25	Engineering Characteristics and Reinforcement Approaches of Organic Sandy Soil. Advances in Civil Engineering, 2018, 2018, 1-12.	0.7	3
26	Statistical Analysis of Earthquake-Induced Bending Moment in Fixed-Head Piles Embedded in Soft Clay. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	7
27	Probabilistic investigations on the watertightness of jet-grouted ground considering geometric imperfections in diameter and position. Canadian Geotechnical Journal, 2017, 54, 1447-1459.	2.8	26
28	Effects of material and drilling uncertainties on artificial ground freezing of cement-admixed soils. Canadian Geotechnical Journal, 2017, 54, 1659-1671.	2.8	32
29	Statistical evaluation of the overall strength of a soil-cement column under axial compression. Construction and Building Materials, 2017, 132, 51-60.	7.2	23
30	Finite-Element Analysis of Heat Transfer of Horizontal Ground-Freezing Method in Shield-Driven Tunneling. International Journal of Geomechanics, 2017, 17, .	2.7	27
31	A direct simulation algorithm for a class of beta random fields in modelling material properties. Computer Methods in Applied Mechanics and Engineering, 2017, 326, 642-655.	6.6	22
32	Settlement evaluation of soft ground reinforced by deep mixed columns. International Journal of Pavement Research and Technology, 2016, 9, 460-465.	2.6	15
33	Numerical Analysis of a Temperature Field within a Vertical Frozen Soil Wall. , 2016, , .		0
34	A Shape Optimization Based on Strain Energy for Framed Structures. Applied Mechanics and Materials, 2014, 578-579, 532-535.	0.2	1
35	Temperature Field Numerical Analysis of Different Freeze Pipe Spacing of Vertical Frozen Soil Wall Reinforcement at Shield Shaft. Applied Mechanics and Materials, 2014, 580-583, 738-741.	0.2	2
36	Numerical Analysis of Temperature Field of Vertical Frozen Soil Wall Reinforcement at Shield Shaft. Advanced Materials Research, 2014, 918, 218-223.	0.3	1

#	Article	IF	Citations
37	Study on Construction Risk Analysis and Risk Counter-Measures of River-Crossing Tunnel of Large-Diameter Metro. Applied Mechanics and Materials, 0, 166-169, 2680-2683.	0.2	5
38	Numerical Analysis of Temperature Field of Cup-Shaped Frozen Soil Wall Reinforcement at Shield Shaft. Applied Mechanics and Materials, 0, 341-342, 1467-1471.	0.2	8
39	Experimental Research on the Physi-Mechanical Performances of Geosynthetics. Applied Mechanics and Materials, 0, 341-342, 33-37.	0.2	2