

Wenbo Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

553
citations

686830

13
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified continuum/discontinuum modeling framework for slope stability assessment. <i>Engineering Geology</i> , 2014, 179, 90-101.	2.9	57
2	Crushing characteristics of four different proppants and implications for fracture conductivity. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 53, 125-138.	2.1	57
3	Frac sand crushing characteristics and morphology changes under high compressive stress and implications for sand pack permeability. <i>Canadian Geotechnical Journal</i> , 2016, 53, 1412-1423.	1.4	56
4	Prediction of karst for tunnelling using fuzzy assessment combined with geological investigations. <i>Tunnelling and Underground Space Technology</i> , 2018, 80, 64-77.	3.0	47
5	Automated method for extracting and analysing the rock discontinuities from point clouds based on digital surface model of rock mass. <i>Engineering Geology</i> , 2018, 239, 109-118.	2.9	40
6	Grain breakage criteria for discrete element models of sand crushing under one-dimensional compression. <i>Computers and Geotechnics</i> , 2018, 95, 231-239.	2.3	37
7	Mechanical Properties and Permeability Evolution of Red Sandstone Subjected to Hydro-mechanical Coupling: Experiment and Discrete Element Modelling. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 2405-2423.	2.6	34
8	Influence of proppant fragmentation on fracture conductivity - Insights from three-dimensional discrete element modeling. <i>Journal of Petroleum Science and Engineering</i> , 2019, 177, 1010-1023.	2.1	27
9	Characterization of two- and three-dimensional morphological properties of fragmented sand grains. <i>Engineering Geology</i> , 2019, 263, 105358.	2.9	26
10	An Improved Extension System for Assessing Risk of Water Inrush in Tunnels in Carbonate Karst Terrain. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2049-2064.	0.9	22
11	Effect of graph generation on slope stability analysis based on graph theory. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2014, 6, 380-386.	3.7	18
12	Shape Characterization of Fragmented Sand Grains via X-Ray Computed Tomography Imaging. <i>International Journal of Geomechanics</i> , 2020, 20, .	1.3	16
13	Quantifying the influence of grain morphology on sand hydraulic conductivity: A detailed pore-scale study. <i>Computers and Geotechnics</i> , 2021, 135, 104147.	2.3	16
14	Displacement characteristic of landslides reinforced with flexible piles: field and physical model test. <i>Journal of Mountain Science</i> , 2020, 17, 787-800.	0.8	13
15	Effects of reservoir water level fluctuations and rainfall on a landslide by two-way ANOVA and K-means clustering. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 5405-5421.	1.6	13
16	Risk assessment of gas outburst in tunnels in non-coal formation based on the attribute mathematical theory. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 483-504.	2.0	12
17	Discrete element method and support vector machine applied to the analysis of steel mesh pinned by rockbolts. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 125, 104163.	2.6	12
18	On the seismic stability analysis of reinforced rock slope and optimization of prestressed cables. <i>Frontiers of Structural and Civil Engineering</i> , 2012, 6, 132.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Improved discrete element modeling for proppant embedment into rock surfaces. <i>Acta Geotechnica</i> , 2020, 15, 347-364.	2.9	11
20	Discrete element analysis of the influence of bolt pattern and spacing on the force-displacement response of bolted steel mesh. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 2106-2125.	1.7	7
21	Breakage Effect of Soft Rock Blocks in Soil-Rock Mixture with Different Block Proportions. <i>Springer Series in Geomechanics and Geoengineering</i> , 2018, , 809-813.	0.0	6
22	Threshold Definition for Monitoring Gapa Landslide under Large Variations in Reservoir Level Using GNSS. <i>Remote Sensing</i> , 2021, 13, 4977.	1.8	5
23	An investigation of the pressure dip phenomenon within conical sandpiles using CFD-DEM. <i>Powder Technology</i> , 2022, 398, 117152.	2.1	4
24	A novel method for identifying geomechanical parameters of rock masses based on a PSO and improved GPR hybrid algorithm. <i>Scientific Reports</i> , 2022, 12, 5670.	1.6	3
25	Experimental characterization of time-dependent mechanical behaviours of frac sand at high compressive stresses and implication on long-term proppant conductivity. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	1.3	2
26	Protective coal pillar design for segmental lining-supported TBM mine tunnels using physical model tests. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	1