Hongwen Jing

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Experimental and numerical study on mechanical and fracture behavior of rock-like specimens containing pre-existing holes flaws. European Journal of Environmental and Civil Engineering, 2022, 26, 299-319.	2.1	24
2	Visualizing the effect of excavation rate on rock deformation and fracturing of tunnels using a transparent soft rock surrogate. Acta Geotechnica, 2022, 17, 1949-1969.	5.7	6
3	Mechanical property and microstructure of cemented tailings backfill containing fly ash activated by calcium formate. Environmental Science and Pollution Research, 2022, 29, 28572-28587.	5.3	3
4	Investigating the effect of water quenching cycles on mechanical behaviors for granites after conventional triaxial compression. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2022, 8, 1.	2.9	42
5	Particle size distribution of aggregate effects on the reinforcing roles of carbon nanotubes in enhancing concrete ITZ. Construction and Building Materials, 2022, 327, 126964.	7.2	36
6	Physical modeling investigation on deformation characteristic and roof instability mechanism of deep rectangular roadway in layered rock mass. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	1
7	Numerical investigation on the effect of bedding plane properties on mode I fracture characteristics of mudstone with FEM-CZM method. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	3
8	Study on the seepage characteristics of deep buried tunnels under variable high-pressure water heads. Bulletin of Engineering Geology and the Environment, 2021, 80, 1477-1487.	3.5	28
9	Roles of carbon nanotubes in reinforcing the interfacial transition zone and impermeability of concrete under different water-to-cement ratios. Construction and Building Materials, 2021, 272, 121664.	7.2	43
10	Experimental Investigation and Numerical Modelling on Strength and Fracture Behaviors of Sandstone with Weak Distributed Inclusions. Geotechnical and Geological Engineering, 2021, 39, 2521-2531.	1.7	3
11	Experimental Investigation on Shear Behavior of Intact Sandstones under Constant Normal Stiffness Conditions. International Journal of Geomechanics, 2021, 21, 04020259.	2.7	7
12	Spatiotemporal Evolution Characteristics of Fluid Flow through Large-Scale 3D Rock Mass Containing Filling Joints: An Experimental and Numerical Study. Geofluids, 2021, 2021, 1-23.	0.7	3
13	Experimental and Numerical Studies on Permeability Properties of Thermal Damaged Red Sandstone under Different Confining Pressures. Geofluids, 2021, 2021, 1-13.	0.7	3
14	Micro-Mesoscopic Creep Damage Evolution and Failure Mechanism of Sandy Mudstone. International Journal of Geomechanics, 2021, 21, .	2.7	27
15	Assessment of cemented waste rock backfill for recycling gangue and controlling strata: creep experiments and models. Environmental Science and Pollution Research, 2021, 28, 35924-35940.	5.3	13
16	Shear mechanical responses of sandstone exposed to high temperature under constant normal stiffness boundary conditions. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2021, 7, 1.	2.9	75
17	Studies on combined effects of graphene oxide-fly ash hybrid on the workability, mechanical performance and pore structures of cementitious grouting under high W/C ratio. Construction and Building Materials, 2021, 281, 122578.	7.2	33
18	Influence of Weak Interlayer on the Mechanical Performance of the Bolted Rock Mass with a Single Free Surface in Deep Mining. Minerals (Basel, Switzerland), 2021, 11, 496.	2.0	9

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19	The role of multiple heating and water cooling cycles on physical and mechanical responses of granite rocks. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2021, 7, 1.	2.9	40
20	Investigation on the Creep Failure Mechanism of Sandy Mudstone Based on Micromesoscopic Mechanics. Geofluids, 2021, 2021, 1-19.	0.7	14
21	Influence of ultrasonication energy on reinforcing-roles of CNTs to strengthen ITZ and corresponding anti-permeability properties of concrete. Construction and Building Materials, 2021, 303, 124451.	7.2	12
22	Experimental investigation on fracture behaviors and acoustic emission characteristics of sandstone under different strain rates. Environmental Earth Sciences, 2021, 80, 1.	2.7	12
23	Particle size distribution of aggregates effects on mesoscopic structural evolution of cemented waste rock backfill. Environmental Science and Pollution Research, 2021, 28, 16589-16601.	5.3	24
24	Numerical study of remote fracturing around a circular opening in rock. European Journal of Environmental and Civil Engineering, 2020, 24, 1032-1050.	2.1	5
25	Effect of Cyclic Loading on the Shear Behaviours of Both Unfilled and Infilled Rough Rock Joints Under Constant Normal Stiffness Conditions. Rock Mechanics and Rock Engineering, 2020, 53, 31-57.	5.4	52
26	Pore characteristics and nonlinear flow behaviors of granite exposed to high temperature. Bulletin of Engineering Geology and the Environment, 2020, 79, 1239-1257.	3.5	27
27	Graphene oxide-assisted multi-walled carbon nanotube reinforcement of the transport properties in cementitious composites. Journal of Materials Science, 2020, 55, 603-618.	3.7	19
28	Hydraulic properties of single fractures grouted by different types of carbon nanomaterial-based cement composites. Bulletin of Engineering Geology and the Environment, 2020, 79, 2411-2421.	3.5	5
29	Mechanical Characteristics of Granite After Heating and Water-Cooling Cycles. Rock Mechanics and Rock Engineering, 2020, 53, 2015-2025.	5.4	33
30	A four-element fractional creep model of weakly cemented soft rock. Bulletin of Engineering Geology and the Environment, 2020, 79, 5569-5584.	3.5	27
31	Experimental and numerical research on fracture behaviors of sandstone under different loading rates. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2020, 6, 1.	2.9	6
32	Investigation on Mechanical and AE Characteristics of Yellow Sandstone Undergoing Wetting-Drying Cycles. KSCE Journal of Civil Engineering, 2020, 24, 3267-3278.	1.9	9
33	Physical Experiment and Numerical Modeling on the Failure Mechanism of Gob-Side Entry Driven in Thick Coal Seam. Energies, 2020, 13, 5425.	3.1	19
34	Surface roughness and boundary load effect on nonlinear flow behavior of fluid in real rock fractures. Bulletin of Engineering Geology and the Environment, 2020, 79, 4917-4932.	3.5	13
35	Analytical solutions for consolidation of composite ground improved by composite columns with circular and non-circular cross sections. European Journal of Environmental and Civil Engineering, 2020, , 1-17.	2.1	7
36	Effect of Shear Direction Change on Shear-Flow-Transport Processes in Single Rough-Walled Rock Fractures. Transport in Porous Media, 2020, 133, 373-395.	2.6	8

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37	Experimental study on seepage characteristics and water inrush of filled karst structure in tunnel. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	17
38	Structural Characteristics of the Overlying Strata in a Fully Mechanized Longwall Face with the Low-Position Thick-Hard Roof. Geotechnical and Geological Engineering, 2020, 38, 4767-4777.	1.7	1
39	Deformation and failure characteristics of anchorage structure of surrounding rock in deep roadway. International Journal of Mining Science and Technology, 2020, 30, 593-604.	10.3	63
40	Influence of carbon nanotubes-based cement grouting nano-reinforcement on the mechanical behavior of sandstone with a single through-fracture under uniaxial compression. European Journal of Environmental and Civil Engineering, 2020, , 1-16.	2.1	0
41	Investigation on physical and mechanical properties of bedded sandstone after high-temperature exposure. Bulletin of Engineering Geology and the Environment, 2020, 79, 2591-2606.	3.5	37
42	Influence of methylcellulose on the impermeability properties of carbon nanotube-based cement pastes at different water-to-cement ratios. Construction and Building Materials, 2020, 244, 118403.	7.2	11
43	Stabilizing effect of methylcellulose on the dispersion of multi-walled carbon nanotubes in cementitious composites. Nanotechnology Reviews, 2020, 9, 93-104.	5.8	6
44	Carbon nanomaterials enhanced cement-based composites: advances and challenges. Nanotechnology Reviews, 2020, 9, 115-135.	5.8	62
45	Experimental Study on Shear Behavior of Bolted Cement Mortar Blocks under Constant Normal Stiffness. KSCE Journal of Civil Engineering, 2019, 23, 3724-3734.	1.9	8
46	Laboratory investigation of hydraulic properties of deformable rock samples subjected to different loading paths. Hydrogeology Journal, 2019, 27, 2617-2635.	2.1	8
47	Debonding Detection and Monitoring for CFRP Reinforced Concrete Beams Using Pizeoceramic Sensors. Materials, 2019, 12, 2150.	2.9	12
48	Reinforced impermeability of cementitious composites using graphene oxide-carbon nanotube hybrid under different water-to-cement ratios. Construction and Building Materials, 2019, 222, 610-621.	7.2	55
49	Influences of Saturation and Wetting-Drying Cycle on Mechanical Performances of Argillaceous Limestones from Liupanshan Tunnel, China. Advances in Materials Science and Engineering, 2019, 2019, 1-10.	1.8	3
50	Experimental investigation on the mechanical behavior of red sandstone under the coupled effects of temperature and acidic etching. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	4
51	Fractal analysis of pore structures in graphene oxide-carbon nanotube based cementitious pastes under different ultrasonication. Nanotechnology Reviews, 2019, 8, 107-115.	5.8	25
52	Effects of thermal shock due to rapid cooling on the mechanical properties of sandstone. Environmental Earth Sciences, 2019, 78, 1.	2.7	23
53	Experimental Study of Nonlinear Flow Behaviors Through Fractured Rock Samples After High-Temperature Exposure. Rock Mechanics and Rock Engineering, 2019, 52, 2963-2983.	5.4	97
54	Humic acid assisted stabilization of dispersed single-walled carbon nanotubes in cementitious composites. Nanotechnology Reviews, 2019, 8, 513-522.	5.8	12

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55	Field Experimental Study on the Broken Rock Zone of Surrounding Rock and the Rock Borehole Shear Tests of the Large Deformation Tunnel. Advances in Materials Science and Engineering, 2019, 2019, 1-9.	1.8	5
56	Numerical simulation of particle migration from crushed sandstones during groundwater inrush. Journal of Hazardous Materials, 2019, 362, 327-335.	12.4	52
57	Development and Application of a Test System for Modeling Tunnel Excavation with Transparent Rock Surrogate. Geotechnical Testing Journal, 2019, 42, 638-655.	1.0	3
58	Investigation on mechanical behavior and crack coalescence of sandstone specimens containing fissure-hole combined flaws under uniaxial compression. Geosciences Journal, 2018, 22, 825-842.	1.2	51
59	Analytical models for consolidation of combined composite ground improved by impervious columns and vertical drains. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 871-888.	3.3	34
60	Dispersion of Multi-Walled Carbon Nanotubes Stabilized by Humic Acid in Sustainable Cement Composites. Nanomaterials, 2018, 8, 858.	4.1	23
61	Experimental Study on the Damage of Granite by Acoustic Emission after Cyclic Heating and Cooling with Circulating Water. Processes, 2018, 6, 101.	2.8	53
62	Quantitative Estimates of Nonlinear Flow Characteristics of Deformable Rough-Walled Rock Fractures with Various Lithologies. Processes, 2018, 6, 149.	2.8	15
63	Nonlinear Flow Characteristics of a System of Two Intersecting Fractures with Different Apertures. Processes, 2018, 6, 94.	2.8	6
64	Experimental Study on Stress-Dependent Nonlinear Flow Behavior and Normalized Transmissivity of Real Rock Fracture Networks. Geofluids, 2018, 2018, 1-16.	0.7	10
65	Experimental Study on the Shear Behavior of Bolted Concrete Blocks with Oblique Shear Test. Advances in Civil Engineering, 2018, 2018, 1-8.	0.7	8
66	Effect of Thermal Environment on the Mechanical Behaviors of Building Marble. Advances in Civil Engineering, 2018, 2018, 1-8.	0.7	7
67	Laboratory Investigation of Granite Permeability after High-Temperature Exposure. Processes, 2018, 6, 36.	2.8	29
68	The Effect of Joint Dip Angle on the Mechanical Behavior of Infilled Jointed Rock Masses under Uniaxial and Biaxial Compressions. Processes, 2018, 6, 49.	2.8	16
69	Investigating the Roles of Included Angle and Loading Condition on the Critical Hydraulic Gradient of Real Rock Fracture Networks. Rock Mechanics and Rock Engineering, 2018, 51, 3167-3177.	5.4	34
70	Strength and deformation behaviors of bedded rock mass under bolt reinforcement. International Journal of Mining Science and Technology, 2018, 28, 593-599.	10.3	21
71	Strength degradation and anchoring behavior of rock mass in the fault fracture zone. Environmental Earth Sciences, 2017, 76, 1.	2.7	20
72	Stress evolution and support mechanism of a bolt anchored in a rock mass with a weak interlayer. International Journal of Mining Science and Technology, 2017, 27, 573-580.	10.3	33

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73	Fracture evolution characteristics of sandstone containing double fissures and a single circular hole under uniaxial compression. International Journal of Mining Science and Technology, 2017, 27, 499-505.	10.3	40
74	Strength and deformation behaviors of veined marble specimens after vacuum heat treatment under conventional triaxial compression. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 886-898.	3.4	32
75	Experimental study of the influence of loading rate on tensile mechanical behavior of sandstone damaged by blasting. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	5
76	An experimental study of the effect of fillings on hydraulic properties of single fractures. Environmental Earth Sciences, 2017, 76, 1.	2.7	15
77	Hydraulic properties of 3D rough-walled fractures during shearing: An experimental study. Journal of Hydrology, 2017, 555, 169-184.	5.4	111
78	Effect of a Fault Fracture Zone on the Stability of Tunnel-Surrounding Rock. International Journal of Geomechanics, 2017, 17, .	2.7	65
79	Set pair analysis for risk assessment of water inrush in karst tunnels. Bulletin of Engineering Geology and the Environment, 2017, 76, 1199-1207.	3.5	86
80	Consolidation of composite ground improved by granular columns with medium and high replacement ratio. Soils and Foundations, 2017, 57, 1088-1095.	3.1	17
81	A Novel Model of the Ideal Point Method Coupled with Objective and Subjective Weighting Method for Evaluation of Surrounding Rock Stability. Mathematical Problems in Engineering, 2016, 2016, 1-9.	1.1	19
82	Mechanical characteristics of dip basement effects on dump stability in the Shengli open pit mine in Inner Mongolia, China. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	12
83	Physical and mechanical properties of sandstone containing a single fissure after exposure to high temperatures. International Journal of Mining Science and Technology, 2016, 26, 319-325.	10.3	79
84	Experimental investigation on tensile strength and its loading rate effect of sandstone after high temperature treatment. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	25
85	A novel cloud model for risk analysis of water inrush in karst tunnels. Environmental Earth Sciences, 2016, 75, 1.	2.7	49
86	A new analytical model for consolidation with multiple vertical drains. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 1623-1640.	3.3	21
87	Gaseous detonation fabrication of CNTs and CNTs doping with Fe based composites. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 494-499.	2.1	5
88	Numerical simulations of failure behavior around a circular opening in a non-persistently jointed rock mass under biaxial compression. International Journal of Mining Science and Technology, 2016, 26, 729-738.	10.3	27
89	Mechanical behavior and failure analysis of granite specimens containing two orthogonal fissures under uniaxial compression. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	12
90	Numerical simulation of a jointed rock block mechanical behavior adjacent to an underground excavation and comparison with physical model test results. Tunnelling and Underground Space Technology, 2015, 50, 129-142.	6.2	99

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91	Failure mechanism and stability control of a large section of very soft roadway surrounding rock shear slip. International Journal of Mining Science and Technology, 2013, 23, 127-134.	10.3	55
92	A water permeability model of nano-reinforced cement pastes based on GEM theory and multifractals. Advances in Cement Research, 0, , 1-24.	1.6	0
93	Estimates of strength and cracking behaviors of pre-flawed granite specimens treated by chemical corrosion under triaxial compression tests. Frontiers of Earth Science, 0, , 1.	2.1	0