

Hongwen Jing

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

2,329
citations

185998

28
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253896

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94
all docs

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docs citations

94
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydraulic properties of 3D rough-walled fractures during shearing: An experimental study. <i>Journal of Hydrology</i> , 2017, 555, 169-184.	2.3	111
2	Numerical simulation of a jointed rock block mechanical behavior adjacent to an underground excavation and comparison with physical model test results. <i>Tunnelling and Underground Space Technology</i> , 2015, 50, 129-142.	3.0	99
3	Experimental Study of Nonlinear Flow Behaviors Through Fractured Rock Samples After High-Temperature Exposure. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 2963-2983.	2.6	97
4	Set pair analysis for risk assessment of water inrush in karst tunnels. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 1199-1207.	1.6	86
5	Physical and mechanical properties of sandstone containing a single fissure after exposure to high temperatures. <i>International Journal of Mining Science and Technology</i> , 2016, 26, 319-325.	4.6	79
6	Shear mechanical responses of sandstone exposed to high temperature under constant normal stiffness boundary conditions. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	75
7	Effect of a Fault Fracture Zone on the Stability of Tunnel-Surrounding Rock. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	65
8	Deformation and failure characteristics of anchorage structure of surrounding rock in deep roadway. <i>International Journal of Mining Science and Technology</i> , 2020, 30, 593-604.	4.6	63
9	Carbon nanomaterials enhanced cement-based composites: advances and challenges. <i>Nanotechnology Reviews</i> , 2020, 9, 115-135.	2.6	62
10	Failure mechanism and stability control of a large section of very soft roadway surrounding rock shear slip. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 127-134.	4.6	55
11	Reinforced impermeability of cementitious composites using graphene oxide-carbon nanotube hybrid under different water-to-cement ratios. <i>Construction and Building Materials</i> , 2019, 222, 610-621.	3.2	55
12	Experimental Study on the Damage of Granite by Acoustic Emission after Cyclic Heating and Cooling with Circulating Water. <i>Processes</i> , 2018, 6, 101.	1.3	53
13	Numerical simulation of particle migration from crushed sandstones during groundwater inrush. <i>Journal of Hazardous Materials</i> , 2019, 362, 327-335.	6.5	52
14	Effect of Cyclic Loading on the Shear Behaviours of Both Unfilled and Infilled Rough Rock Joints Under Constant Normal Stiffness Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 31-57.	2.6	52
15	Investigation on mechanical behavior and crack coalescence of sandstone specimens containing fissure-hole combined flaws under uniaxial compression. <i>Geosciences Journal</i> , 2018, 22, 825-842.	0.6	51
16	A novel cloud model for risk analysis of water inrush in karst tunnels. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	49
17	Roles of carbon nanotubes in reinforcing the interfacial transition zone and impermeability of concrete under different water-to-cement ratios. <i>Construction and Building Materials</i> , 2021, 272, 121664.	3.2	43
18	Investigating the effect of water quenching cycles on mechanical behaviors for granites after conventional triaxial compression. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	1.3	42

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19	Fracture evolution characteristics of sandstone containing double fissures and a single circular hole under uniaxial compression. <i>International Journal of Mining Science and Technology</i> , 2017, 27, 499-505.	4.6	40
20	The role of multiple heating and water cooling cycles on physical and mechanical responses of granite rocks. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	40
21	Investigation on physical and mechanical properties of bedded sandstone after high-temperature exposure. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 2591-2606.	1.6	37
22	Particle size distribution of aggregate effects on the reinforcing roles of carbon nanotubes in enhancing concrete ITZ. <i>Construction and Building Materials</i> , 2022, 327, 126964.	3.2	36
23	Analytical models for consolidation of combined composite ground improved by impervious columns and vertical drains. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2018, 42, 871-888.	1.7	34
24	Investigating the Roles of Included Angle and Loading Condition on the Critical Hydraulic Gradient of Real Rock Fracture Networks. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 3167-3177.	2.6	34
25	Stress evolution and support mechanism of a bolt anchored in a rock mass with a weak interlayer. <i>International Journal of Mining Science and Technology</i> , 2017, 27, 573-580.	4.6	33
26	Mechanical Characteristics of Granite After Heating and Water-Cooling Cycles. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 2015-2025.	2.6	33
27	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. <i>Construction and Building Materials</i> , 2021, 281, 122578.	3.2	33
28	Strength and deformation behaviors of veined marble specimens after vacuum heat treatment under conventional triaxial compression. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 886-898.	1.5	32
29	Laboratory Investigation of Granite Permeability after High-Temperature Exposure. <i>Processes</i> , 2018, 6, 36.	1.3	29
30	Study on the seepage characteristics of deep buried tunnels under variable high-pressure water heads. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 1477-1487.	1.6	28
31	Numerical simulations of failure behavior around a circular opening in a non-persistently jointed rock mass under biaxial compression. <i>International Journal of Mining Science and Technology</i> , 2016, 26, 729-738.	4.6	27
32	Pore characteristics and nonlinear flow behaviors of granite exposed to high temperature. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 1239-1257.	1.6	27
33	A four-element fractional creep model of weakly cemented soft rock. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 5569-5584.	1.6	27
34	Micro-Mesoscopic Creep Damage Evolution and Failure Mechanism of Sandy Mudstone. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	27
35	Experimental investigation on tensile strength and its loading rate effect of sandstone after high temperature treatment. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	25
36	Fractal analysis of pore structures in graphene oxide-carbon nanotube based cementitious pastes under different ultrasonication. <i>Nanotechnology Reviews</i> , 2019, 8, 107-115.	2.6	25

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37	Experimental and numerical study on mechanical and fracture behavior of rock-like specimens containing pre-existing holes flaws. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 299-319.	1.0	24
38	Particle size distribution of aggregates effects on mesoscopic structural evolution of cemented waste rock backfill. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16589-16601.	2.7	24
39	Dispersion of Multi-Walled Carbon Nanotubes Stabilized by Humic Acid in Sustainable Cement Composites. <i>Nanomaterials</i> , 2018, 8, 858.	1.9	23
40	Effects of thermal shock due to rapid cooling on the mechanical properties of sandstone. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	23
41	A new analytical model for consolidation with multiple vertical drains. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 1623-1640.	1.7	21
42	Strength and deformation behaviors of bedded rock mass under bolt reinforcement. <i>International Journal of Mining Science and Technology</i> , 2018, 28, 593-599.	4.6	21
43	Strength degradation and anchoring behavior of rock mass in the fault fracture zone. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	20
44	A Novel Model of the Ideal Point Method Coupled with Objective and Subjective Weighting Method for Evaluation of Surrounding Rock Stability. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-9.	0.6	19
45	Graphene oxide-assisted multi-walled carbon nanotube reinforcement of the transport properties in cementitious composites. <i>Journal of Materials Science</i> , 2020, 55, 603-618.	1.7	19
46	Physical Experiment and Numerical Modeling on the Failure Mechanism of Gob-Side Entry Driven in Thick Coal Seam. <i>Energies</i> , 2020, 13, 5425.	1.6	19
47	Consolidation of composite ground improved by granular columns with medium and high replacement ratio. <i>Soils and Foundations</i> , 2017, 57, 1088-1095.	1.3	17
48	Experimental study on seepage characteristics and water inrush of filled karst structure in tunnel. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	17
49	The Effect of Joint Dip Angle on the Mechanical Behavior of Infilled Jointed Rock Masses under Uniaxial and Biaxial Compressions. <i>Processes</i> , 2018, 6, 49.	1.3	16
50	An experimental study of the effect of fillings on hydraulic properties of single fractures. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	15
51	Quantitative Estimates of Nonlinear Flow Characteristics of Deformable Rough-Walled Rock Fractures with Various Lithologies. <i>Processes</i> , 2018, 6, 149.	1.3	15
52	Investigation on the Creep Failure Mechanism of Sandy Mudstone Based on Micromesoscopic Mechanics. <i>Geofluids</i> , 2021, 2021, 1-19.	0.3	14
53	Surface roughness and boundary load effect on nonlinear flow behavior of fluid in real rock fractures. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4917-4932.	1.6	13
54	Assessment of cemented waste rock backfill for recycling gangue and controlling strata: creep experiments and models. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35924-35940.	2.7	13

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55	Mechanical characteristics of dip basement effects on dump stability in the Shengli open pit mine in Inner Mongolia, China. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	12
56	Mechanical behavior and failure analysis of granite specimens containing two orthogonal fissures under uniaxial compression. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	12
57	Debonding Detection and Monitoring for CFRP Reinforced Concrete Beams Using Piezoceramic Sensors. <i>Materials</i> , 2019, 12, 2150.	1.3	12
58	Humic acid assisted stabilization of dispersed single-walled carbon nanotubes in cementitious composites. <i>Nanotechnology Reviews</i> , 2019, 8, 513-522.	2.6	12
59	Influence of ultrasonication energy on reinforcing-roles of CNTs to strengthen ITZ and corresponding anti-permeability properties of concrete. <i>Construction and Building Materials</i> , 2021, 303, 124451.	3.2	12
60	Experimental investigation on fracture behaviors and acoustic emission characteristics of sandstone under different strain rates. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	12
61	Influence of methylcellulose on the impermeability properties of carbon nanotube-based cement pastes at different water-to-cement ratios. <i>Construction and Building Materials</i> , 2020, 244, 118403.	3.2	11
62	Experimental Study on Stress-Dependent Nonlinear Flow Behavior and Normalized Transmissivity of Real Rock Fracture Networks. <i>Geofluids</i> , 2018, 2018, 1-16.	0.3	10
63	Investigation on Mechanical and AE Characteristics of Yellow Sandstone Undergoing Wetting-Drying Cycles. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 3267-3278.	0.9	9
64	Influence of Weak Interlayer on the Mechanical Performance of the Bolted Rock Mass with a Single Free Surface in Deep Mining. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 496.	0.8	9
65	Experimental Study on the Shear Behavior of Bolted Concrete Blocks with Oblique Shear Test. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-8.	0.4	8
66	Experimental Study on Shear Behavior of Bolted Cement Mortar Blocks under Constant Normal Stiffness. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 3724-3734.	0.9	8
67	Laboratory investigation of hydraulic properties of deformable rock samples subjected to different loading paths. <i>Hydrogeology Journal</i> , 2019, 27, 2617-2635.	0.9	8
68	Effect of Shear Direction Change on Shear-Flow-Transport Processes in Single Rough-Walled Rock Fractures. <i>Transport in Porous Media</i> , 2020, 133, 373-395.	1.2	8
69	Effect of Thermal Environment on the Mechanical Behaviors of Building Marble. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-8.	0.4	7
70	Analytical solutions for consolidation of composite ground improved by composite columns with circular and non-circular cross sections. <i>European Journal of Environmental and Civil Engineering</i> , 2020, , 1-17.	1.0	7
71	Experimental Investigation on Shear Behavior of Intact Sandstones under Constant Normal Stiffness Conditions. <i>International Journal of Geomechanics</i> , 2021, 21, 04020259.	1.3	7
72	Nonlinear Flow Characteristics of a System of Two Intersecting Fractures with Different Apertures. <i>Processes</i> , 2018, 6, 94.	1.3	6

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73	Experimental and numerical research on fracture behaviors of sandstone under different loading rates. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	6
74	Visualizing the effect of excavation rate on rock deformation and fracturing of tunnels using a transparent soft rock surrogate. <i>Acta Geotechnica</i> , 2022, 17, 1949-1969.	2.9	6
75	Stabilizing effect of methylcellulose on the dispersion of multi-walled carbon nanotubes in cementitious composites. <i>Nanotechnology Reviews</i> , 2020, 9, 93-104.	2.6	6
76	Gaseous detonation fabrication of CNTs and CNTs doping with Fe based composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 494-499.	1.0	5
77	Experimental study of the influence of loading rate on tensile mechanical behavior of sandstone damaged by blasting. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	5
78	Field Experimental Study on the Broken Rock Zone of Surrounding Rock and the Rock Borehole Shear Tests of the Large Deformation Tunnel. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.0	5
79	Numerical study of remote fracturing around a circular opening in rock. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1032-1050.	1.0	5
80	Hydraulic properties of single fractures grouted by different types of carbon nanomaterial-based cement composites. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 2411-2421.	1.6	5
81	Experimental investigation on the mechanical behavior of red sandstone under the coupled effects of temperature and acidic etching. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	4
82	Influences of Saturation and Wetting-Drying Cycle on Mechanical Performances of Argillaceous Limestones from Liupanshan Tunnel, China. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-10.	1.0	3
83	Experimental Investigation and Numerical Modelling on Strength and Fracture Behaviors of Sandstone with Weak Distributed Inclusions. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 2521-2531.	0.8	3
84	Spatiotemporal Evolution Characteristics of Fluid Flow through Large-Scale 3D Rock Mass Containing Filling Joints: An Experimental and Numerical Study. <i>Geofluids</i> , 2021, 2021, 1-23.	0.3	3
85	Experimental and Numerical Studies on Permeability Properties of Thermal Damaged Red Sandstone under Different Confining Pressures. <i>Geofluids</i> , 2021, 2021, 1-13.	0.3	3
86	Development and Application of a Test System for Modeling Tunnel Excavation with Transparent Rock Surrogate. <i>Geotechnical Testing Journal</i> , 2019, 42, 638-655.	0.5	3
87	Mechanical property and microstructure of cemented tailings backfill containing fly ash activated by calcium formate. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28572-28587.	2.7	3
88	Numerical investigation on the effect of bedding plane properties on mode I fracture characteristics of mudstone with FEM-CZM method. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	1.6	3
89	Structural Characteristics of the Overlying Strata in a Fully Mechanized Longwall Face with the Low-Position Thick-Hard Roof. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 4767-4777.	0.8	1
90	Physical modeling investigation on deformation characteristic and roof instability mechanism of deep rectangular roadway in layered rock mass. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	1

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91	Influence of carbon nanotubes-based cement grouting nano-reinforcement on the mechanical behavior of sandstone with a single through-fracture under uniaxial compression. <i>European Journal of Environmental and Civil Engineering</i> , 2020, , 1-16.	1.0	0
92	A water permeability model of nano-reinforced cement pastes based on GEM theory and multifractals. <i>Advances in Cement Research</i> , 0, , 1-24.	0.7	0
93	Estimates of strength and cracking behaviors of pre-flawed granite specimens treated by chemical corrosion under triaxial compression tests. <i>Frontiers of Earth Science</i> , 0, , 1.	0.9	0