

Yu Wang

List of Publications by Year in descending order

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671
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#	ARTICLE	IF	CITATIONS
1	Fracture Evolution and Energy Characteristics During Marble Failure Under Triaxial Fatigue Cyclic and Confining Pressure Unloading (FC-CPU) Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 799-818.	5.4	127
2	Investigation on the effect of freeze-thaw on fracture mode classification in marble subjected to multi-level cyclic loads. <i>Theoretical and Applied Fracture Mechanics</i> , 2021, 111, 102847.	4.7	91
3	Rock bridge fracturing characteristics in granite induced by freeze-thaw and uniaxial deformation revealed by AE monitoring and post-test CT scanning. <i>Cold Regions Science and Technology</i> , 2020, 177, 103115.	3.5	80
4	Mechanical behavior of marble exposed to freeze-thaw-fatigue loading. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 138, 104648.	5.8	73
5	A strain-based fatigue damage model for naturally fractured marble subjected to freeze-thaw and uniaxial cyclic loads. <i>International Journal of Damage Mechanics</i> , 2021, 30, 1594-1616.	4.2	63
6	Effect of rock bridge length on fracture and damage modelling in granite containing hole and fissures under cyclic uniaxial increasing-amplitude decreasing-frequency (CUIADF) loads. <i>International Journal of Fatigue</i> , 2022, 158, 106741.	5.7	60
7	On anisotropic fracture and energy evolution of marble subjected to triaxial fatigue cyclic-confining pressure unloading conditions. <i>International Journal of Fatigue</i> , 2020, 134, 105524.	5.7	55
8	On the effect of stress amplitude on fracture and energy evolution of pre-flawed granite under uniaxial increasing-amplitude fatigue loads. <i>Engineering Fracture Mechanics</i> , 2020, 240, 107366.	4.3	48
9	Investigation on fracture behaviors and damage evolution modeling of freeze-thawed marble subjected to increasing- amplitude cyclic loads. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102679.	4.7	47
10	Macro-meso failure behavior of pre-flawed hollow-cylinder granite under multi-level cyclic loads: Insights from acoustic emission and post-test CT scanning. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108074.	4.3	45
11	X-ray micro-tomography for investigation of meso-structural changes and crack evolution in Longmaxi formation shale during compressive deformation. <i>Journal of Petroleum Science and Engineering</i> , 2018, 164, 278-288.	4.2	44
12	Macro-Meso Fracture and Instability Behaviors of Hollow-Cylinder Granite Containing Fissures Subjected to Freeze-Thaw-Fatigue Loads. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 4051-4071.	5.4	41
13	Fracture failure analysis of freeze-thawed granite containing natural fracture under uniaxial multi-level cyclic loads. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 110, 102782.	4.7	30
14	Anisotropic fatigue behaviour of interbedded marble subjected to uniaxial cyclic compressive loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1170-1183.	3.4	30
15	Effect of fatigue loading-confining stress unloading rate on marble mechanical behaviors: An insight into fracture evolution analyses. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 1249-1262.	8.1	29
16	Experimental investigation of fatigue crack propagation in interbedded marble under multilevel cyclic uniaxial compressive loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 933-951.	3.4	29
17	In situ X-ray micro-CT for investigation of damage evolution in black shale under uniaxial compression. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	26
18	Mechanical behaviours of granite containing two flaws under uniaxial increasing-amplitude fatigue loading conditions: An insight into fracture evolution analyses. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2055-2070.	3.4	24

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19	On the effect of confining pressure on fatigue failure of block-in-matrix soils exposed to multistage cyclic triaxial loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 2481-2498.	3.4	23
20	On fracture and damage evolution modelling of fissure-hole containing granite induced by multistage constant-amplitude variable-frequency cyclic loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 1332-1348.	3.4	21
21	Dynamic mechanical behaviors of interbedded marble subjected to multi-level uniaxial compressive cyclic loading conditions: An insight into fracture evolution analysis. <i>Engineering Fracture Mechanics</i> , 2021, 241, 107410.	4.3	20
22	X-ray computed tomography (CT) observations of crack damage evolution in soil-rock mixture during uniaxial deformation. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	18
23	A new method to evaluate the brittleness for brittle rock using crack initiation stress level from uniaxial stress-strain curves. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	15
24	In situ X-ray computed tomography (CT) investigation of crack damage evolution for cemented paste backfill with marble waste block admixture under uniaxial deformation. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	12
25	Fatigue failure identification using deformation and energy rate for hole-fissure contained granite under freeze-thaw and variable-frequency variable-amplitude cyclic loads. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 834-851.	3.4	12
26	Anisotropic energy and ultrasonic characteristics of black shale under triaxial deformation revealed utilizing real-time ultrasonic detection and post-test CT imaging. <i>Geophysical Journal International</i> , 2019, 219, 260-270.	2.4	10
27	Using X-ray computed tomography to investigate the effect of confining pressure on meso-structural changes and crack damage evolution in soil and rock mixture during triaxial deformation. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 757-772.	2.1	10
28	Anisotropic fracture and energy dissipation characteristics of interbedded marble subjected to multilevel uniaxial compressive cyclic loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 366-382.	3.4	10
29	Influence of time-lagged unloading paths on fracture behaviors of marble using energy analysis and post-test CT visualization. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	2.7	10
30	Monitoring of internal failure evolution in cemented paste backfill under uniaxial deformation using in-situ X-ray computed tomography. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	9
31	Laboratory Investigation of the Effect of Injection Rate on Hydraulic Fracturing Performance in Artificial Transversely Laminated Rock Using 3D Laser Scanning. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 2121-2133.	1.7	9
32	X-ray computed tomography characterization of soil and rock mixture under cyclic triaxial testing: the effects of confining pressure on meso-structural changes. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	7
33	Geomechanical and Ultrasonic Characteristics of Black Shale During Triaxial Deformation Revealed Using Real-Time Ultrasonic Detection Dependence Upon Bedding Orientation and Confining Pressure. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 6773-6794.	1.7	7
34	Mechanical behaviors of bimsoils during triaxial deformation revealed using real-time ultrasonic detection and post-test CT image analysis. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	6
35	Investigation on the effect of confining pressure on the geomechanical and ultrasonic properties of black shale using ultrasonic transmission and post-test CT visualization. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106630.	4.2	6
36	Experimental Investigation on Frost Heaving Force (FHF) Evolution in Preflawned Rocks Exposed to Cyclic Freeze-Thaw Conditions. <i>Geofluids</i> , 2021, 2021, 1-12.	0.7	6

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37	Characteristics and Time-Space Evolution of Mining Stress in High Stope. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-15.	1.8	6
38	Investigation on the Effect of Dynamic Frequency on Fracture Evolution in Preflawned Rock under Multistage Cyclic Loads: Insight from Acoustic Emission Monitoring. <i>Geofluids</i> , 2020, 2020, 1-15.	0.7	5
39	Investigation on Crack Coalescence Behaviors for Granite Containing Two Flaws Induced by Cyclic Freeze-Thaw and Uniaxial Deformation in Beizhan Iron Mining, Xinjing, China. <i>Geofluids</i> , 2020, 2020, 1-19.	0.7	5
40	Insight into the fracture evolution behavior of pre-flawned hollow cylinder granite under multi-stage increasing amplitude cyclic loads: A lab-scale testing. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 285-301.	3.4	5
41	Fatigue-Damage Evolution Characteristics of Interbedded Marble Subjected to Dynamic Uniaxial Cyclic Loads. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 855-870.	1.7	4
42	Laboratory Investigation on the Effects of Natural Fracture on Fracture Evolution of Granite Exposed to Freeze-Thaw-Cyclic (FTC) Loads. <i>Geofluids</i> , 2021, 2021, 1-20.	0.7	4
43	Fatigue damage behaviors of pre-flawned granite containing hole and fissures exposed to variable-frequency multi-level constant amplitude (VFMLCA) cyclic loads. <i>International Journal of Damage Mechanics</i> , 0, , 105678952210958.	4.2	4
44	Acoustic emission and computed tomography investigation on fatigue failure of fissure-contained hollow cylinder granite: Cavity diameter effect. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 2243-2260.	3.4	4
45	Use of X-ray computed tomography to investigate the meso-mechanisms of localized deformation in soil-rock mixture under uniaxial compression. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1855-1864.	2.1	3
46	Investigation on Acoustic Emission Kaiser Effect and Frequency Spectrum Characteristics of Rock Joints Subjected to Multilevel Cyclic Shear Loads. <i>Geofluids</i> , 2021, 2021, 1-21.	0.7	2
47	Effects of the Rock Bridge Ligament on Fracture and Energy Evolution of Preflawned Granite Exposed to Dynamic Loads. <i>Shock and Vibration</i> , 2021, 2021, 1-14.	0.6	2
48	Full-Field Deformation Characteristics of Anisotropic Marble under Compression Revealed by 3D Digital Image Correlation. <i>Lithosphere</i> , 2021, 2021, .	1.4	2
49	On the Fracture Evolution and Instability of Pyrite-Filled Marble Exposed to Freeze-Thaw-Compression Loads. <i>Lithosphere</i> , 2021, 2021, .	1.4	2
50	Dynamic Shear Failure of Freeze-Thawed Tibet Hornfels Subjected to Multilevel Cyclic Shear (MLCS) Loads: Insights into Structural Dependent Failure Characteristics. <i>Lithosphere</i> , 2022, 2021, .	1.4	2
51	X-Ray CT Investigation on Fractal Characteristics of Fine-Grained Tailing Sand in Fujian's Makeng: Insight into the Mesoscopic Seepage Failure. <i>Geofluids</i> , 2021, 2021, 1-20.	0.7	2
52	Macro-meso fatigue damage and instability of a fault bimrock exposed to multistage cyclic triaxial loads with different confining pressure. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 0, , .	3.4	2
53	In Situ X-Ray Computed Tomography (CT) Investigation on Localized Deformation and Crack Damage Evolution in a Bimrock by Tracking Rock Blocks. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-14.	0.7	1
54	Experimental Evaluation of Multiple Frost Heaving Parameters for Preflawned Granite in Beizhan Iron Mining, Xinjiang, China. <i>Geofluids</i> , 2021, 2021, 1-13.	0.7	1

#	ARTICLE	IF	CITATIONS
55	In situ X-ray computed tomography study on the effect of rock blocks on fatigue damage evolution of a subgrade SRM. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 409-430.	2.1	0
56	Dynamic Fracture and Energy Evolution Characterization of Naturally Fractured Granite Subjected to Multilevel Cyclic Loads. <i>Geofluids</i> , 2021, 2021, 1-16.	0.7	0
57	Research on Fracture and Energy Evolution of Rock Containing Natural Fractures under Cyclic Loading Condition. <i>Geofluids</i> , 2021, 2021, 1-13.	0.7	0
58	Influence of rock bridge length on geomechanical behaviors of granite containing a hole and fissures under uniaxial increasing-amplitude decreasing-frequency cyclic loads. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0
59	On the Dynamic Mechanical Behaviors of a Fault Unwelded Bimrock Exposed to Freeze-Thaw-Fatigue Loads: A Lab-Scale Testing. <i>Geofluids</i> , 2022, 2022, 1-15.	0.7	0
60	A Slope Stability Based Realm Optimization Analysis for an Open Pit Mine in Cold Region: Taking Jiguanshan Molybdenum Mine for Example. <i>Geofluids</i> , 2022, 2022, 1-12.	0.7	0