

## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanical and microseismic characteristics of sandstones subject to moderate low-frequency differential cyclic loading (DCL) followed by monotonic loading up to failure. Acta Geotechnica, 2023, 18, 187-215.	2.9	10
2	A novel AE source localization method using clustering detection to eliminate abnormal arrivals. International Journal of Mining Science and Technology, 2022, 32, 51-62.	4.6	14
3	The Permeability Alternation of Shale Fractures due to Sc-CO2 Soaking: Implications for Sc-CO2 Fracturing and Deep CO2 Sequestration in Shale Reservoirs. Advances in Materials Science and Engineering, 2022, 2022, 1-12.	1.0	0
4	The role of water content in rate dependence of tensile strength of a fine-grained sandstone. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	1.9	20
5	A novel robust method for acoustic emission source location using DBSCAN principle. Measurement: Journal of the International Measurement Confederation, 2022, 191, 110812.	2.5	9
6	Analysis of mechanical behaviour and fracture interaction of multi-hole rock mass with DIC measurement. Measurement: Journal of the International Measurement Confederation, 2022, 191, 110794.	2.5	17
7	Water saturation effects on mechanical performances and failure characteristics of rock-concrete disc with different interface dip angles. Construction and Building Materials, 2022, 324, 126684.	3.2	24
8	Regressive and Big-Data-Based Analyses of Rock Drillability Based on Drilling Process Monitoring (DPM) Parameters. Mathematics, 2022, 10, 628.	1.1	6
9	Mechanical behaviour of medium-grained sandstones exposed to differential cyclic loading with distinct loading and unloading rates. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1849-1871.	3.7	18
10	Mining Stress Evolution Law of Inclined Backfilled Stopes Considering the Brittle-Ductile Transition in Deep Mining. Mathematics, 2022, 10, 1308.	1.1	4
11	A novel robust AE/MS source location method using optimized M-estimate consensus sample. International Journal of Mining Science and Technology, 2022, 32, 779-791.	4.6	10
12	A New Algebraic Solution for Acoustic Emission Source Localization without Premeasuring Wave Velocity. Sensors, 2021, 21, 459.	2.1	10
13	Mechanical behavior of marble exposed to freeze-thaw-fatigue loading. International Journal of Rock Mechanics and Minings Sciences, 2021, 138, 104648.	2.6	73
14	Coupled Effects of Water and Low Temperature on Quasistatic and Dynamic Mechanical Behavior of Sandstone. Geofluids, 2021, 2021, 1-12.	0.3	6
15	A novel linear-correction localization method of acoustic emission source for velocity-free system. Ultrasonics, 2021, 115, 106458.	2.1	8
16	Dynamic response and fracture evolution of marble specimens containing rectangular cavities subjected to dynamic loading. Bulletin of Engineering Geology and the Environment, 2021, 80, 7701-7716.	1.6	23
17	Failure mechanism analysis of rock in particle discrete element method simulation based on moment tensors. Computers and Geotechnics, 2021, 136, 104215.	2.3	19
18	Constrained total least squares method using TDOA measurements for jointly estimating acoustic emission source and wave velocity. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109758.	2.5	26

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#	Article	IF	CITATIONS
19	Analytical stress solution for rock mass containing two holes based on an improved Schwarz alternating method. Theoretical and Applied Fracture Mechanics, 2021, 116, 103092.	2.1	11
20	Estimating Macrofracture Toughness of Sandstone Based on Nanoindentation. Geofluids, 2021, 2021, 1-10.	0.3	3
21	Rock mass watering for rock-burst prevention: some thoughts on the mechanisms deduced from laboratory results. Bulletin of Engineering Geology and the Environment, 2021, 80, 8725-8743.	1.6	31
22	Mechanical Responses of a Deeply Buried Granite Exposed to Multilevel Uniaxial and Triaxial Cyclic Stresses: Insights into Deformation Behavior, Energy Dissipation, and Hysteresis. Advances in Materials Science and Engineering, 2021, 2021, 1-29.	1.0	7
23	Global Wave Velocity Change Measurement of Rock Material by Full-Waveform Correlation. Sensors, 2021, 21, 7429.	2.1	1
24	Dynamic Response and Energy Evolution of Sandstone Under Coupled Static–Dynamic Compression: Insights from Experimental Study into Deep Rock Engineering Applications. Rock Mechanics and Rock Engineering, 2020, 53, 1305-1331.	2.6	204
25	Environmental Evaluation of Coal Mines Based on Generalized Linear Model and Nonlinear Fuzzy Analytic Hierarchy. Geofluids, 2020, 2020, 1-10.	0.3	5
26	Water saturation effects on dynamic behavior and microstructure damage of sandstone: Phenomena and mechanisms. Engineering Geology, 2020, 276, 105760.	2.9	106
27	Interval Nonprobabilistic Reliability Analysis for Ancient Landslide considering Strain-Softening Behavior: A Case Study. Advances in Civil Engineering, 2020, 2020, 1-13.	0.4	2
28	Acoustic emission source location considering refraction in layered media with cylindrical surface. Transactions of Nonferrous Metals Society of China, 2020, 30, 789-799.	1.7	20
29	Static and dynamic tensile behavior of rock-concrete bi-material disc with different interface inclinations. Construction and Building Materials, 2020, 256, 119424.	3.2	51
30	A Weighted Linear Least Squares Location Method of an Acoustic Emission Source without Measuring Wave Velocity. Sensors, 2020, 20, 3191.	2.1	13
31	An Improved Onset Time Picking Method for Low SNR Acoustic Emission Signals. IEEE Access, 2020, 8, 47756-47767.	2.6	9
32	Water Saturation Effects on Thermal Infrared Radiation Features of Rock Materials During Deformation and Fracturing. Rock Mechanics and Rock Engineering, 2020, 53, 4839-4856.	2.6	68
33	Permeability Experiment of Fractured Rock with Rough Surfaces under Different Stress Conditions. Geofluids, 2020, 2020, 1-15.	0.3	5
34	A Closed-Form Method of Acoustic Emission Source Location for Velocity-Free System Using Complete TDOA Measurements. Sensors, 2020, 20, 3553.	2.1	11
35	Bearing characteristics and fatigue damage mechanism of multi-pillar system subjected to different cyclic loads. Journal of Central South University, 2020, 27, 542-553.	1.2	9
36	Water Infusion on the Stability of Coal Specimen under Different Static Stress Conditions. Applied Sciences (Switzerland), 2020, 10, 2043.	1.3	4

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#	Article	IF	CITATIONS
37	Water-induced variations in dynamic behavior and failure characteristics of sandstone subjected to simulated geo-stress. International Journal of Rock Mechanics and Minings Sciences, 2020, 130, 104339.	2.6	77
38	Fracture behavior and damage mechanisms of sandstone subjected to wetting-drying cycles. Engineering Fracture Mechanics, 2020, 234, 107109.	2.0	85
39	Permeability Evolution of Fractured Rock Subjected to Cyclic Axial Load Conditions. Geofluids, 2020, 2020, 1-12.	0.3	8
40	Micromechanism of the diffusion of cement-based grouts in porous media under two hydraulic operating conditions: constant flow rate and constant pressure. Acta Geotechnica, 2019, 14, 825-841.	2.9	28
41	A New Acoustic Emission Source Location Method Using Tri-Variate Kernel Density Estimator. IEEE Access, 2019, 7, 158379-158388.	2.6	16
42	Water-Weakening Effects on the Mechanical Behavior of Different Rock Types: Phenomena and Mechanisms. Applied Sciences (Switzerland), 2019, 9, 4450.	1.3	98
43	Effects of height/diameter ratio on failure and damage properties of granite under coupled bending and splitting deformation. Engineering Fracture Mechanics, 2019, 220, 106640.	2.0	105
44	Strength and filtration stability of cement grouts in porous media. Tunnelling and Underground Space Technology, 2019, 89, 1-9.	3.0	37
45	Comparison of Presplit and Smooth Blasting Methods for Excavation of Rock Wells. Shock and Vibration, 2019, 2019, 1-12.	0.3	13
46	Damage Evolution and Failure Behavior of Post-Mainshock Damaged Rocks under Aftershock Effects. Energies, 2019, 12, 4429.	1.6	28
47	An improved joint method for onset picking of acoustic emission signals with noise. Journal of Central South University, 2019, 26, 2878-2890.	1.2	14
48	Water saturation effects on dynamic fracture behavior of sandstone. International Journal of Rock Mechanics and Minings Sciences, 2019, 114, 46-61.	2.6	152
49	Cement grout transport within sand with fractal characteristics considering filtration. European Journal of Environmental and Civil Engineering, 2019, 23, 1497-1519.	1.0	11
50	Experimental Investigation of the Progressive Failure of Multiple Pillar–Roof System. Rock Mechanics and Rock Engineering, 2018, 51, 1629-1636.	2.6	47
51	Locating an Acoustic Emission Source in Multilayered Media Based on the Refraction Path Method. IEEE Access, 2018, 6, 25090-25099.	2.6	27
52	Effects of water content on fracture and mechanical behavior of sandstone with a low clay mineral content. Engineering Fracture Mechanics, 2018, 193, 47-65.	2.0	175
53	A Global Optimization-Based Method for the Prediction of Water Inrush Hazard from Mining Floor. Water (Switzerland), 2018, 10, 1618.	1.2	24
54	In-Situ and Numerical Investigation of Groundwater Inrush Hazard from Grouted Karst Collapse Pillar in Longwall Mining. Water (Switzerland), 2018, 10, 1187.	1.2	63

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#	Article	IF	CITATIONS
55	Experimental Investigation on Hydraulic Properties of Granular Sandstone and Mudstone Mixtures. Geofluids, 2018, 2018, 1-13.	0.3	38
56	Discrimination of Rock Fracture and Blast Events Based on Signal Complexity and Machine Learning. Shock and Vibration, 2018, 2018, 1-10.	0.3	10
57	Dynamic tensile properties of sandstone subjected to wetting and drying cycles. Construction and Building Materials, 2018, 182, 215-232.	3.2	161
58	A New Closed-Form Solution for Acoustic Emission Source Location in the Presence of Outliers. Applied Sciences (Switzerland), 2018, 8, 949.	1.3	18
59	Influence of cyclic wetting and drying on physical and dynamic compressive properties of sandstone. Engineering Geology, 2017, 220, 1-12.	2.9	163
60	Dynamic behavior of rock during its post failure stage in SHPB tests. Transactions of Nonferrous Metals Society of China, 2017, 27, 184-196.	1.7	44
61	Fracture evolution and failure behaviour of marble specimens containing rectangular cavities under uniaxial loading. Engineering Fracture Mechanics, 2017, 184, 183-201.	2.0	71
62	Experimental study on the location of an acoustic emission source considering refraction in different media. Scientific Reports, 2017, 7, 7472.	1.6	30
63	Experimental and Numerical Investigation on the Bearing and Failure Mechanism of Multiple Pillars Under Overburden. Rock Mechanics and Rock Engineering, 2017, 50, 995-1010.	2.6	39
64	Strength characteristics of dry and saturated rock at different strain rates. Transactions of Nonferrous Metals Society of China, 2016, 26, 1919-1925.	1.7	92
65	Influence of Water Content on Mechanical Properties of Rock in Both Saturation and Drying Processes. Rock Mechanics and Rock Engineering, 2016, 49, 3009-3025.	2.6	216