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Evaluation of Methods for Determining Crack Initiation in Compression Tests on Low-Porosity Rocks

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#	Paper	IF	Citations
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219	Damage stress and acoustic emission characteristics of the Beishan granite. 2013 , 64, 258-269		176
218	Crack initiation stress in low porosity crystalline and sedimentary rocks. 2013 , 154, 64-76		97
217	Onset of Crack Initiation in Uniaxial and Triaxial Compression Tests of Dolomite Samples. 2014 , 36, 23-27		6
216	Analysis of the Approaches to Determine Crack Initiation Stress of Rock Materials in Compression Tests. 2014 , 556-562, 2857-2861		1
215	Factors Affecting Crack Initiation in Low Porosity Crystalline Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 1165-1181	5.7	90
214	Use of Descartes Folium Equation for Deriving a Relation between Total Aperture of Fractures after Uniaxial Compression and Strain Parameters of Different Rocks Exhibiting Negative Total Volumetric Strains. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 2075-2086	5.7	1
213	Crack Initiation and Crack Propagation in Heterogeneous Sulfate-Rich Clay Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 1849-1865	5.7	39
212	A method for estimating crack-initiation stress of rock materials by porosity. 2014 , 84, 397-405		19
211	Physical property relationships of the Rotokawa Andesite, a significant geothermal reservoir rock in the Taupo Volcanic Zone, New Zealand. 2014 , 2,		53
210	A Study on Crack Damage Stress Thresholds of Different Rock Types Based on Uniaxial Compression Tests. <i>Rock Mechanics and Rock Engineering</i> , 2014 , 47, 1183-1195	5.7	119
209	A Volumetric Strain-Based Method to Determine Crack Initiation Stress of Low-Porosity Rocks. 2014 ,		1
208	A Potential Strain Indicator for Brittle Failure Prediction of Low-porosity Rock: Part I Experimental Studies Based on the Uniaxial Compression Test. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1763-1772	5.7	20
207	Spalling Experiments on Large Hard Rock Specimens. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1485-1503	5.7	9
206	Objective Determination of Crack Initiation Stress of Brittle Rocks Under Compression Using AE Measurement. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 2473-2484	5.7	76
205	Micro-textural effects on crack initiation and crack propagation of andesitic rocks. 2015 , 193, 267-275		37
204	Strength comparison between cylindrical and prism specimens of Beishan granite under uniaxial compression. 2015 , 76, 10-17		45

203	Preliminary Application of X-ray Computed Tomograph on Characterisation of Polish Gas Shale Mechanical Properties. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 4935-4943	5-7	8
202	Numerical simulation of microstructure of brittle rock using a grain-breakable distinct element grain-based model. 2016 , 78, 203-217		70
201	Near-surface rock stress orientations in alpine topography derived from exfoliation fracture surface markings and 3D numerical modelling. 2016 , 85, 129-151		9
200	A Reconsideration of the Extension Strain Criterion for Fracture and Failure of Rock. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 4667-4679	5-7	8
199	Effects of Confining Pressure and Pore Water Pressure on the Strain Behavior and Deformation Property of Aji Granite under Triaxial Compression Test. 2016 , 122, 603-615		4
198	Assessment of mineralogical and petrographic factors affecting petro-physical properties, strength and cracking processes of volcanic rocks. 2016 , 210, 10-22		38
197	Prediction of Brittle Failure for TBM Tunnels in Anisotropic Rock: A Case Study from Northern Norway. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 2131-2153	5-7	10
196	Effects of Thermal Damage and Confining Pressure on the Mechanical Properties of Coarse Marble. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 2043-2054	5-7	51
195	Detection of Cracking Levels in Brittle Rocks by Parametric Analysis of the Acoustic Emission Signals. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 785-800	5-7	143
194	Analysis of size effects on the geomechanical parameters of intact granite samples under unconfined conditions. 2017 , 12, 1229-1242		27
193	Grain-Based Discrete-Element Modeling Study on the Effects of Cementation on the Mechanical Behavior of Low-Porosity Brittle Rocks. 2017 , 17, 04017061		17
192	Stress-strain behavior of soil-rock mixture at medium strain rates [Response to seismic dynamic loading. 2017 , 93, 7-17		24
191	Fracturing process and effect of fracturing degree on wave velocity of a crystalline rock. 2017 , 9, 797-806		16
190	Experimental assessment of pore fluid distribution and geomechanical changes in saline sandstone reservoirs during and after CO ₂ injection. 2017 , 63, 356-369		16
189	Scale Effects Observed in Compression Testing of Stanstead Granite Including Post-peak Strength and Dilatancy. 2017 , 36, 1091		7
188	Characterisation and multifaceted anisotropy assessment of Corvio sandstone for geological CO ₂ storage studies. 2017 , 65, 1293-1311		10
187	Evaluation of rock property variability. 2017 , 11, 22-41		29
186	Size effects on granite behavior under unloading rockburst test. 2017 , 76, 1183-1197		29

185	The three stages of stress relaxation - Observations for the time-dependent behaviour of brittle rocks based on laboratory testing. 2017 , 216, 56-75		34
184	Cement-bentonite in comparison with other cemented materials. 2017 , 4, 353-372		4
183	Acoustic emission pattern of shale under uniaxial deformation. 2017 , 7, 323-329		1
182	Folded fabric tunes rock deformation and failure mode in the upper crust. 2017 , 7, 15290		4
181	A new method to evaluate the brittleness for brittle rock using crack initiation stress level from uniaxial stress-strain curves. 2017 , 76, 1		9
180	Generic transformation models for some intact rock properties. 2018 , 55, 1702-1741		16
179	Study on crack initiation and damage stress in sandstone under true triaxial compression. 2018 , 106, 117-123		51
178	Effects of Thermal Damage on Strain Burst Mechanism for Brittle Rocks Under True-Triaxial Loading Conditions. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 1657-1682	5-7	55
177	Evaluation of methods for determining crack initiation stress under compression. 2018 , 235, 81-97		33
176	Crack Damage Parameters and Dilatancy of Artificially Jointed Granite Samples Under Triaxial Compression. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 1637-1656	5-7	16
175	Experimental investigation on the fracture behaviour of black shale by acoustic emission monitoring and CT image analysis during uniaxial compression. 2018 , 213, 660-675		21
174	Mechanical properties of brittle rock governed by micro-geometric heterogeneity. 2018 , 104, 358-372		68
173	A Quantitative Strain Energy Indicator for Predicting the Failure of Laboratory-Scale Rock Samples: Application to Shale Rock. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 2689-2707	5-7	10
172	New Method for Obtaining the Homogeneity Index m of Weibull Distribution Using Peak and Crack-Damage Strains. 2018 , 18, 04018034		12
171	Relation between crack initiation-damage stress thresholds and failure strength of intact rock. 2018 , 77, 709-724		20
170	Effect of brine-CO ₂ fracture flow on velocity and electrical resistivity of naturally fractured tight sandstones. 2018 , 83, WA37-WA48		13
169	Estimation of Crack Initiation and Propagation Thresholds of Confined Brittle Coal Specimens Based on Energy Dissipation Theory. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 119-134	5-7	71
168	Time-Dependent Behaviour of Brittle Rocks Based on Static Load Laboratory Tests. 2018 , 36, 337-376		24

167	A Comparative Study on Rock Properties in Splitting and Compressive Dynamic Tests. 2018 , 2018, 1-12		1
166	Dilatancy as a measure of fracturing development in the process of rock damage. 2018 , 10, 484-490		6
165	Experimental investigation of thermal cycling effect on physical and mechanical properties of bedrocks in geothermal fields. 2018 , 141, 174-185		56
164	Variability of crack initiation and crack damage for various rock types. 2018 , 11, 1		9
163	Experimental Study on the Damage Evolution of Brittle Rock Under Triaxial Confinement with Full Circumferential Strain Control. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3321-3341	5-7	39
162	Review of the Relationships between Crack Initiation Stress, Mode I Fracture Toughness and Tensile Strength of Geo-Materials. 2018 , 18, 04018136		18
161	Identifying crack initiation stress threshold in brittle rocks using axial strain stiffness characteristics. 2018 , 15, 1371-1382		9
160	Roles of model size and particle size distribution on macro-mechanical properties of Lac du Bonnet granite using flat-joint model. 2018 , 103, 43-60		40
159	Characteristic Stress Levels and Brittle Fracturing of Hard Rocks Subjected to True Triaxial Compression with Low Minimum Principal Stress. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3681-3697	5-7	30
158	Anisotropic Mechanical Properties of Sandstone Under Unloading Confining Pressure at High Temperatures. 2018 , 43, 5283-5294		5
157	A progressive S-shaped yield criterion and its application to rock pillar behavior. 2018 , 105, 98-109		21
156	Modeling of brittle rock failure considering inter- and intra-grain contact failures. 2018 , 101, 224-244		45
155	Influence of Temperature on Crack Initiation and Propagation in Granite. 2018 , 18, 04018094		10
154	Research on Characteristic Stress and Constitutive Equation of Confined Sandstone during Damage Evolution Based on Energy Evolution Analysis. 2019 , 2019, 1-13		3
153	Numerical Investigation of Mineral Grain Shape Effects on Strength and Fracture Behaviors of Rock Material. 2019 , 9, 2855		4
152	A Strain Based Method for Determining the Crack Closure and Initiation Stress in Compression Tests. 2019 , 23, 1819-1828		9
151	A comprehensive parametric study of grain-based models for rock failure process simulation. 2019 , 115, 60-76		25
150	Experimental Relationship Between Compressional Wave Attenuation and Surface Strains in Brittle Rock. 2019 , 124, 5770-5793		12

149	Specimen shape and cross-section effects on the mechanical properties of rocks under uniaxial compressive stress. 2019 , 78, 6061-6074		36
148	Experimental investigation on True Triaxial Deformation and Progressive Damage Behaviour of Sandstone. 2019 , 9, 3386		16
147	A study of rock pillar behaviors in laboratory and in-situ scales using combined finite-discrete element method models. 2019 , 118, 21-32		21
146	Detection of Cracking Levels in Granite by AE Signals Under Uniaxial Compression. 2019 , 37, 2565-2576		5
145	Cracking Mode Analysis of Crack Initiation in Rocks under Uniaxial Compression. 2019 , 2019, 1-9		4
144	Comparison of crack processes in single-flawed rock-like material using two bonded-particle models under compression. 2019 , 12, 1		6
143	Fracturing of Migmatite Monitored by Acoustic Emission and Ultrasonic Sounding. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 47-59	5-7	8
142	Acoustic Emission Associated with Self-Sustaining Failure in Low-Porosity Sandstone Under Uniaxial Compression. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 2067-2085	5-7	29
141	Numerical analyses of pillar behavior with variation in yield criterion, dilatancy, rock heterogeneity and length to width ratio. 2019 , 11, 46-60		4
140	Mechanical Behavior of a Granite from Wuyi Mountain: Insights from Strain-Based Approaches. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 719-736	5-7	4
139	Compressive and Tensile Behavior of 3D-Printed and Natural Sandstones. 2019 , 129, 559-581		11
138	A threshold stresses-based permeability variation model for microcracked porous rocks. 2020 , 24, 787-813		1
137	An experimental approach for determination of the Weibull homogeneity index of rock or rock-like materials. 2020 , 15, 375-391		1
136	Effect of Mechanical Damage on the Thermal Conductivity of Granite. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 1039-1051	5-7	2
135	Anisotropic creep characteristics and mechanism of shale under elevated deviatoric stress. 2020 , 185, 106670		11
134	Evaluation of an Ultrasonic Method for Damage Characterization of Brittle Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 2077-2094	5-7	10
133	Anisotropy of quartz mica schist based on quantitative extraction of fabric information. 2020 , 79, 2439-2456		5
132	Anisotropic characteristics of crack initiation and crack damage thresholds for shale. 2020 , 126, 104178		20

131	Research on Stress Threshold of Deep Buried Coal Rock under Quasi-Static Strain Rate Based on Acoustic Emission. 2020 , 2020, 1-13		1
130	A novel observation method for determining the crack stress thresholds of rock based on Hooke's law. 2020 , 43, 3050-3062		1
129	Analysis of Dynamic Damage-Induced Porosity Changes of Granites in Leaching Mining Technique Based on SHPB Test. 2020 , 2020, 1-12		0
128	Characteristic Analysis of Crack Initiation and Crack Damage Stress of Sandstone and Mudstone under Low-Temperature Condition. 2020 , 34, 04020020		3
127	Discrete Element Modeling of Crack Initiation Stress of Marble Based on Griffith's Strength Theory. 2020 , 2020, 1-11		1
126	Elasto-plastic behavior of the Fontainebleau sandstone based on a refined continuous strain deviation approach. 2020 , 1-17		1
125	Influence of Drying/Wetting Cycle of Acid Solution on the Mechanical Properties of Sandstone. 2020 , 570, 032049		
124	Geo-Congress 2020. 2020 ,		
123	A Novel Method for Determining the Crack Closure Stress of Brittle Rocks Subjected to Compression. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 4279-4287	5:7	3
122	Illumination of Damage in Intact Rocks by Ultrasonic Transmission-Reflection and Digital Image Correlation. 2020 , 125, e2020JB019526		4
121	Investigation of the Micromechanical Damage Process in a Granitic Rock Using an Inelastic Bonded Block Model (BBM). 2020 , 125, e2019JB018844		6
120	Crack initiation of granite under uniaxial compression tests: A comparison study. 2020 , 12, 656-666		16
119	Full-field strain evolution and characteristic stress levels of rocks containing a single pre-existing flaw under uniaxial compression. 2020 , 79, 3145-3161		24
118	Evaluation of Crack Initiation and Damage in Intact Barre Granite Rocks Using Acoustic Emission. 2020 ,		0
117	Performance of rock crack stress thresholds determination criteria and investigating strength and confining pressure effects. 2020 , 243, 118263		21
116	A Simple Time-Dependent Chart of Extension Fracture Initiation within Brittle Homogenous and Heterogeneous Rock Pillars in Hard Rock Mining. 2020 , 38, 2803-2833		5
115	Investigations on Fracture Evolution of Coal Measure Sandstones from Mineralogical and Textural Points of View. 2020 , 50, 1024-1040		4
114	Experimental and numerical investigations on crack development and mechanical behavior of marble under uniaxial cyclic loading compression. 2020 , 130, 104289		9

113	A new quantitative method to identify the crack damage stress of rock using AE detection parameters. 2021 , 80, 519-531		21
112	Variation of pore-network, mechanical and hydrological characteristics of sandstone specimens through CO ₂ -enriched brine injection. 2021 , 26, 100217		8
111	A Novel True Triaxial Apparatus for Simulating Strain Bursts Under High Stress. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 759-775	5-7	2
110	Identifying Accurate Crack Initiation and Propagation Thresholds in Siliceous Siltstone and Limestone. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 973-980	5-7	5
109	Experimental investigation of influence of alternating cyclic loadings on creep behaviors of sandstone. 2021 , 25, 1-19		3
108	Failure characteristics of surrounding rocks along the radial direction of underground excavations: An experimental study. 2021 , 281, 105984		3
107	Experimental Investigation on Physical and Mechanical Properties of Granite Subjected to Cyclic Heating and Liquid Nitrogen Cooling. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 2383-2403	5-7	9
106	Effects of bedding orientation on the failure pattern and acoustic emission activity of shale under uniaxial compression. 2021 , 7, 1		5
105	New Systematic Method to Determine Elastic Constants and Crack Propagation Thresholds of Brittle Rocks Under Triaxial Compression. 2021 , 39, 3931-3945		0
104	A Method to Correct Indirect Strain Measurements in Laboratory Uniaxial and Triaxial Compressive Strength Tests. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 2643-2670	5-7	0
103	Experimental study correlating damage and permeability in concrete using confined, flattened Brazilian disks. 105678952199872		2
102	Progressive failure mechanical behaviour and response characteristics of sandstone under stress-seepage coupling. 2021 , 18, 200-218		6
101	Brittleness Evaluation of Saturated Coal Based on Energy Method from Stress-Strain Curves of Uniaxial Compression. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 3193-3207	5-7	2
100	Crack initiation stress of brittle rock with different porosities. 2021 , 80, 4559-4574		0
99	Compression-induced crack initiation and growth in flawed rocks: A review. 2021 , 44, 1681		15
98	Damage evaluation and deformation behavior of mine tailing-based Geopolymer under uniaxial cyclic compression. 2021 , 47, 10773-10785		14
97	Laboratory Experiments and Grain Based Discrete Element Numerical Simulations Investigating the Thermo-Mechanical Behaviour of Sandstone. 2021 , 39, 4795-4815		3
96	Failure characteristics of coarse and fine sandstone containing two parallel fissures subjected to true triaxial stresses. 2021 , 112, 102932		3

95	Anisotropic energy-based progressive damage model for laminated geomaterials. 2021 , 93, 563-577		5
94	The influence of temperature and confining pressure on the cracks damage threshold and shape parameter m of igneous rock. 2021 , 7, 1		1
93	Influence of Intermediate Principal Stress on the Strainburst Characteristics of Beishan Granite with Consideration of End Effect. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 4771-4791	5-7	1
92	Evolution of Strength Parameters for Sandstone Specimens during Triaxial Compression Tests. 2021 , 2021, 1-11		
91	Research on macro and meso damage model of pre-flawed granites subjected to coupling action of freeze-thaw and loading. 2021 , 14, 1		2
90	Ion-species in pore fluids with opposite effects on limestone fracturing. 2021 , 26, 100233		2
89	An Objective Crack Initiation Stress Identification Method for Brittle Rock Under Compression Using a Reference Line. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 54, 4283-4298	5-7	0
88	Investigation of microcracking behaviors in brittle rock using polygonal grain-based distinct method. 2021 , 45, 1871-1899		4
87	Crack Initiation and Damage Evolution of Micritized Framework Reef Limestone in the South China Sea. <i>Rock Mechanics and Rock Engineering</i> , 1	5-7	3
86	Statistical Assessment of the Effects of Grain-Structure Representation and Micro-Properties on the Behavior of Bonded Block Models for Brittle Rock Damage Prediction. 2021 , 13, 7889		0
85	Investigation into the effects of grain size on strength and failure behaviors of granites using a breakable polygonal grain-based model. 2021 , 80, 6989-7007		0
84	Fracture behavior of cylindrical sandstone specimens with two pre-existing flaws: experimental investigation and PFC3D simulation. 1		1
83	Mechanical Failure Modes and Fractal Characteristics of Coal Samples under Repeated Drying-Saturation Conditions. 2021 , 30, 4439		4
82	An Extension Strain Type Mohr-Coulomb Criterion. <i>Rock Mechanics and Rock Engineering</i> , 2021 , 1	5-7	0
81	Crack Initiation Evolution Under Triaxial Loading Conditions. 2021 , 833, 012012		1
80	Effect of thermal damage on mechanical and permeability properties of sandstone. 2021 , 14, 1		0
79	Estimation of crack initiation and crack damage stress by means of mechanical, physical and dynamical properties in brecciated marbles. 2021 , 833, 012036		
78	Determining crack initiation stress in unconventional shales based on strain energy evolution. 2021 , 18, 642-652		1

77	Mechanical behavior of deep sandstone under high stress-seepage coupling. 1	3
76	Progressive Failure Process of Anisotropic Rock: Insight from Full-Field Strain Evolution. 1	0
75	Experimental study on mechanical properties and failure modes of pre-existing cracks in sandstone during uniaxial tension/compression testing. 2021 , 255, 107966	3
74	A statistical index indicating the degree and mechanical effects of grain size heterogeneity in rocks. 2021 , 293, 106292	0
73	Analysis of triaxial compression deformation and strength characteristics of limestone after high temperature. 2020 , 13, 1	7
72	Caprock integrity and public perception studies of carbon storage in depleted hydrocarbon reservoirs. 2020 , 98, 103057	12
71	Assessment of crack stress thresholds and development of a pre-failure indicator using Digital Image Correlation approach for coal specimen. 2021 , 7, 1	0
70	Strength and strain quantities under brittle compression process of hard rocks. 2018 , 12, 61-75	
69	Analysis of key mechanical parameters and their relations with brittleness in triaxial failure test. 2018 ,	
68	Effect of the Minor Principal Stress on Crack Initiation Stress Threshold. 2021 , 861, 042013	
67	Experimental Study on Ultrasonic Velocity, Suction Curve, and Gas Permeability of Damaged Granite. 2021 , 861, 022027	
66	Preliminary analysis on excavation stability of Beishan Underground Research Laboratory. 2021 , 861, 042108	
65	Investigating the Relationship between the Brittleness Index and Crack Initiation Stress for the Granite under Triaxial Compression. 2020 , 17,	
64	Experimental Investigation on Permeability Evolution of Granite Samples Containing a Grout Infilled Fracture under Triaxial Compression. 2020 , 570, 032021	
63	Strength, Deformation, and Acoustic Emission Characteristics of Raw Coal and Briquette Coal Samples under a Triaxial Compression Experiment. 2021 , 6, 31485-31498	0
62	Calibration and uniqueness analysis of microparameters for DEM cohesive granular material. 2021 , 32, 121-121	4
61	Strength and deformation properties of frozen sand under a true triaxial stress condition. 2021 ,	0
60	Fracture Network Localization Preceding Catastrophic Failure in Triaxial Compression Experiments on Rocks. 2021 , 9,	0

59	Experimental Investigation of Progressive Failure Processes Using 3D Acoustic Emission Tomography. 2021 , 9,		
58	Optimized differential evolution algorithm for solving DEM material calibration problem. 1		1
57	Macro- and Meso-Damage Evolution Characteristics of Coal Using Acoustic Emission and Keuence Testing Technique. 2022 , 31, 517		1
56	Shape ratio effects on the mechanical characteristics of rectangular prism rocks and isolated pillars under uniaxial compression. 2022 ,		7
55	Evolution of tensile and shear cracking in crystalline rocks under compression. 2022 , 118, 103254		1
54	Nonlinear statistical damage constitutive model of granite based on the energy dissipation ratio.. 2022 , 12, 5460		0
53	Investigating the effect of water quenching cycles on mechanical behaviors for granites after conventional triaxial compression. 2022 , 8, 1		8
52	Effect of thermal treatment on physical and mechanical properties of sandstone for thermal energy storage: a comprehensive experimental study. 1		0
51	Research on the Mechanical Properties and Damage Constitutive Model of Multi-Shape Fractured Sandstone under Hydro-Mechanical Coupling. 2022 , 12, 436		1
50	Fracture Behaviour of Two Microstructurally Different Rocks Exposed to High Static Stress and Cyclic Disturbances. <i>Rock Mechanics and Rock Engineering</i> , 1	5-7	0
49	A new method to determine the crack closure stress based on stress difference. 2022 , 119, 103337		4
48	Damage evaluation and precursor of sandstone under the uniaxial compression: Insights from the strain-field heterogeneity.. 2021 , 16, e0262054		0
47	The Effect of Unloading Path on the Time-Dependent Behavior of Beishan Granite. 2022 , 2022,		
46	Investigation on Hydration and Deformation Characteristics of Shale Using X-ray Computed Tomography. 2022 , 2022, 1-11		
45	A state-of-the-art review of mechanical characteristics and cracking processes of pre-cracked rocks under quasi-static compression. 2022 ,		1
44	A Pre-peak Elastoplastic Damage Model of Gosford Sandstone Based on Acoustic Emission and Ultrasonic Wave Measurement. <i>Rock Mechanics and Rock Engineering</i> ,	5-7	0
43	Determination of Tensile Strength at Crack Initiation in Dynamic Brazilian Disc Test for Concrete-like Materials. 2022 , 12, 797		0
42	Experimental study on crack evolution behavior and constitutive model of granite based on the deviatoric stress to peak strength ratio. 2022 , 81,		0

41	Developing a Method for Preparing Callovo-Oxfordian Claystone Samples at a Desired Damage Level in Triaxial Cell. <i>Rock Mechanics and Rock Engineering</i> ,	5-7	○
40	Experimental investigation of the strain rate effect on crack initiation and crack damage thresholds of hard rock under quasi-static compression.		1
39	Influences of confining pressure, strain rate and temperature on crack damage stress thresholds and shape parameter m in sandstone: a review. 2022 , 15,		
38	Crack initiation and propagation thresholds of Hwangdeung granite under elevated temperature.		
37	Progressive Failure Characterization of Sandstone from Yingjinshan Area in Qinghai-Tibet Plateau.		○
36	Strain rate effects on characteristic stresses and acoustic emission properties of granite under quasi-static compression. 10,		
35	Experimental research on progressive failure characteristics of water-immersed coal: Implications for hydraulic fracturing. 2022 , 308, 106809		○
34	Resistivity Response of Thermally Treated Granite During the Compression Test. 2022 , 7, 31736-31743		○
33	Micromechanics of Fracture Propagation During Multistage Stress Relaxation and Creep in Brittle Rocks.		1
32	Cracking Behaviors and Acoustic Emission Characteristics in Brittle Failure of Flawed Sandstone: A True Triaxial Experiment Investigation.		○
31	Elastic and cracking behaviour of MX80 bentonite pellet at various suctions in uniaxial compression. 1-35		○
30	Estimation of Crack Initiation Stress Based on Axial Crack Strain Expansion Rate.		○
29	Effect of intermediate principal stress on the failure characteristics of an underground powerhouse. 2022 , 106914		○
28	Stress levels of precursory strain localization subsequent to the crack damage threshold in brittle rock. 2022 , 17, e0276214		1
27	Effect of Ambient Humidity on the Elasticity and Deformation of Unweathered Granite.		○
26	Identification of crack initiation and damage thresholds in sandstone using 3D digital image correlation. 2022 , 122, 103653		○
25	The Effect of Pore Pressure on the Mechanical Behavior of Coal with Burst Tendency at a Constant Effective Stress. 2022 , 14, 14568		○
24	Mechanical property and thermal degradation mechanism of granite in thermal-mechanical coupled triaxial compression. 2022 , 160, 105270		○

- 23 A micro-macro constitutive model for compressive failure of rock by using 4D lattice spring model. **2022**, 160, 105261 ○
- 22 Effect of disturbance on the progressive failure process of Eastern Himalayan Gneiss. **2022**, 106936 ○
- 21 Experimental Investigation of Damage Evolution Characteristics of Coral Reef Limestone Based on Acoustic Emission and Digital Volume Correlation Techniques. ○
- 20 Mechanical Properties and Failure Behavior of Dry and Water-Saturated Foliated Phyllite under Uniaxial Compression. **2022**, 15, 8962 ○
- 19 Dynamic Deformation and Failure Characteristics of Deep Underground Coal Measures Sandstone: The Influence of Accumulated Damage. **2022**, 12, 1589 ○
- 18 Continuous/Discontinuous Element Numerical Modeling of Damage and Fracture Characteristics of a Loaded Coal. ○
- 17 Validation of the Crack Mode-Changing Stress in Circular Tunnels Under Generalized Triaxial Tensile Stress States. **2023**, 1124, 012068 ○
- 16 Study on closing and cracking stress calculation method of fractured rock. 10, ○
- 15 Crack propagation law of rock with single fissure based on PFC2D. 10, ○
- 14 Experimental study of relationship between uniaxial compression strength and CaCO₃ bonding strength of a biogROUTED rock-like material. ○
- 13 Brittle failure modes of underground powerhouses: an insight based on true triaxial compression tests. **2023**, 82, ○
- 12 Damage characteristics of thermally treated granite under uniaxial compression: Insights from active and passive ultrasonic techniques. **2022**, 29, 4078-4093 ○
- 11 Study on the Constitutive Model and the Identification of Parameters of Granite Based on the Crack Closure Ratio. **2023**, 2437, 012090 ○
- 10 Mechanical properties of granite at high temperature subjected to true triaxial compression. **2023**, 164, 105313 ○
- 9 Numerical Simulation of Rockburst Characteristics of Tunnel Surrounding Rock Under Dilatancy Effect. **2023**, 163-173 ○
- 8 Experimental Study on Damage Behavior of Porous Coral Limestone from the Zhongsha Islands, South China Sea. ○
- 7 Study on mechanical properties and acoustic emission response of deep granite under hydro-mechanical coupling. **2023**, 27, 631-638 ○
- 6 Effects of cyclic loading and unloading rates on the energy evolution of rocks with different lithology. **2023**, 100455 ○

- 5 Experimental Study on Mechanical Properties of Deeply Buried Granite During Layered Excavation of Large Underground Caverns. ○
- 4 Spalling failure of deep hard rock caverns. **2023**, ○
- 3 Macro and meso crack evolution of granite specimens with non-straight fissures: A comparison between two bond models. **2023**, 125, 103890 ○
- 2 Experimental investigation on crack initiation and damage stresses of deep granite under triaxial compression using acoustic methods. **2023**, ○
- 1 Quantitative study of drilling-induced core damage through laboratory tests. ○