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Shear strength criteria for rock, rock joints, rockfill and rock masses: Problems and some solutions

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239	Variation in the Shear Strength of Red Shale. 2014 , 130, 473-478		
238	Geological Conceptual Model for Underground Works Design. 2014 , 53-96		
237	Rhyolites Hard to produce, but easy to recycle and sequester: Integrating microgeochemical observations and numerical models. 2014 , 10, 930-957		64
236	An approach to predicting the overall strengths of unwelded bimrocks and bimsoils. <i>Engineering Geology</i> , 2014 , 183, 65-79	6	72
235	Indirect measure of shale shear strength parameters by means of rock index tests through an optimized artificial neural network. 2014 , 55, 487-498		98
234	Post-yield plastic frictional parameters of a rock salt using the concept of mobilized strength. <i>Engineering Geology</i> , 2014 , 177, 25-31	6	17
233	Predictions of the highest potential transmissivity of fractures in fault zones from rock rheology: Preliminary results. 2015 , 120, 2220-2241		21
232	Numerical Modelling of Slope Instability. 2015 , 15, 309-314		8
231	Fractal model for rockfill shear strength based on particle fragmentation. 2015 , 17, 753-761		16
230	A nonlinear criterion for triaxial strength of inherently anisotropic rocks. <i>Rock Mechanics and Rock Engineering</i> , 2015 , 48, 1387-1405	5.7	60
229	Rock Strength Anisotropy in High Stress Conditions: A Case Study for Application to Shaft Stability Assessments. 2015 , 37, 115-125		7
228	Nonlinearity of the Rock Joint Shear Strength. 2015 , 47, 205-212		3
227	Computing in-situ strength of rock masses based upon RQD and modified joint factor: Using pressure and damage sensitive constitutive relationship. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2015 , 7, 540-565	5.3	13
226	Wedge failure hazard assessment by means of a probabilistic approach for an unstable sea-cliff. 2015 , 76, 1219-1239		12
225	Numerical determination of strength and deformability of fractured rock mass by FEM modeling. <i>Computers and Geotechnics</i> , 2015 , 64, 20-31	4.4	35
224	Influence of Discontinuity Inclination on the Shear Strength of Mont Terri Opalinus Claystones. 2016 ,		1
223	An Experimental Study on the Water-Induced Strength Reduction in Zigong Argillaceous Siltstone with Different Degree of Weathering. 2016 , 2016, 1-12		13

222	Effects of Displacement Velocity on Rock Fracture Shear Strengths under Large Confinements. 2016 , 5, 32		1
221	Creep Behavior of Rocks with Rough Surfaces. 2016 , 28, 04016063		15
220	Constitutive and numerical framework for modeling joints and faults in rock. 2016 , 40, 1253-1283		5
219	Fracture Properties Characterization of Shale Rocks. 2016 ,		4
218	Identification and Mitigation of Error in the Terzaghi Bias Correction for Inhomogeneous Material Discontinuities. 2016 , 48, 825-833		3
217	Forecast Jointed Rock Mass Compressive Strength Using a Numerical Model. 2016 , 73, 04006		
216	Predicting uniaxial compressive strength and deformation modulus of volcanic bimrock considering engineering dimension. 2016 , 86, 91-103		35
215	Improvements to field and remote sensing methods for mapping discontinuity persistence and intact rock bridges in rock slopes. <i>Engineering Geology</i> , 2016 , 208, 136-153	6	40
214	An improved unified constitutive model for rock material and guidelines for its application in numerical modelling. <i>Computers and Geotechnics</i> , 2016 , 80, 261-282	4.4	11
213	A transient fault-valve mechanism operating in upper crustal level, Sierras Pampeanas, Argentina. 2016 , 101, 142-154		8
212	Implementation of an Empirical Joint Constitutive Model into Finite-Discrete Element Analysis of the Geomechanical Behaviour of Fractured Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 4799-4816	5.7	47
211	Hybrid finite-discrete element modelling of asperity degradation and gouge grinding during direct shearing of rough rock joints. 2016 , 3, 295-310		13
210	Modeling rock joint behavior using a rough-joint model. 2016 , 89, 14-25		25
209	Discontinuum Modelling Approach for Stress Analysis at a Seismic Source: Case Study. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 4749-4765	5.7	8
208	Displacement velocity effects on rock fracture shear strengths. 2016 , 90, 48-60		15
207	A simple approach for the estimation of CO2 penetration depth into a caprock layer. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2016 , 8, 75-86	5.3	19
206	Strength and Dilatancy Behaviors of Dense Modeled Rockfill Material in General Stress Space. <i>International Journal of Geomechanics</i> , 2016 , 16, 04016015	3.1	18
205	Faults simulations for three-dimensional reservoir-geomechanical models with the extended finite element method. 2016 , 86, 1-18		35

204	Implementation of displacement-dependent Barton-Bandis rock joint model into discontinuous deformation analysis. <i>Computers and Geotechnics</i> , 2017 , 86, 1-8	4.4	16
203	Direct Shear Tests of Sandstone Under Constant Normal Tensile Stress Condition Using a Simple Auxiliary Device. <i>Rock Mechanics and Rock Engineering</i> , 2017 , 50, 1425-1438	5.7	28
202	Computational Shear Strength of Ultrahigh-Performance API Class H Cement-Silica-Fume Paste Cylinders via Direct Shear Tests. 2017 , 29, 04017113		1
201	Experimental Study of S-wave Propagation Through a Filled Rock Joint. <i>Rock Mechanics and Rock Engineering</i> , 2017 , 50, 2645-2657	5.7	12
200	Dynamic interface behaviour of a bi-material poroelastic cracked plate. 2017 , 87, 1199-1211		
199	Back analysis of a large landslide in a flysch rock mass. 2017 , 14, 2041-2058		17
198	Pull Experiment to Validate Photogrammetrically Predicted Friction Angle of Rock Discontinuities. 2017 , 191, 378-385		4
197	Rock Engineering Design in Frozen and Thawing Rock: Current Approaches and Future Directions. 2017 , 191, 656-665		9
196	Modelling jointed rock mass as a continuum with an embedded cohesive-frictional model. <i>Engineering Geology</i> , 2017 , 228, 107-120	6	26
195	Dynamic mechanical behaviors of Fangshan marble. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017 , 9, 807-817	5.3	15
194	Geomechanical analysis of location and conditions for mining-induced tremors in LGOM copper mines. 2017 , 16, 94-103		3
193	Strength Criterion for Intact Rock. 2017 , 47, 261-264		2
192	Three-dimensional bonded-cell model for grain fragmentation. 2017 , 4, 441-450		15
191	Mechanical behaviour of Australian Strathbogie granite under in-situ stress and temperature conditions: An application to geothermal energy extraction. 2017 , 65, 44-59		103
190	Correlating damage condition with historical seismic activity in underground sepulchral monuments of Cyprus. 2017 , 14, 734-741		5
189	Implementing an ANN model optimized by genetic algorithm for estimating cohesion of limestone samples. 2018 , 34, 307-317		49
188	A step towards the end of the scale effect conundrum when predicting the shear strength of large in situ discontinuities. 2018 , 105, 210-219		13
187	Thermal effects on shearing resistance of fractures in Tak granite. 2018 , 111, 64-74		11

186	An experimental investigation on stable arch formation in cohesionless granular materials using developed trapdoor test. 2018 , 330, 137-146		17
185	The mechanism of earthquake. 2018 , 32, 1850080		3
184	Geostructural stability assessment of cave using rock surface discontinuity extracted from terrestrial laser scanning point cloud. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018 , 10, 534-544	5.3	23
183	Arcades: Products of stress-controlled and discontinuity-related weathering. 2018 , 180, 159-184		16
182	Mechanical Properties of Strongly Weathered Rock-Soil Mixtures with Different Rock Block Contents. <i>International Journal of Geomechanics</i> , 2018 , 18, 04018026	3.1	16
181	A New Stochastic Approach to Predict Peak and Residual Shear Strength of Natural Rock Discontinuities. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 69-99	5.7	23
180	Prediction Model for Performance Evaluation of Tunnel Excavation in Blocky Rock Mass. <i>International Journal of Geomechanics</i> , 2018 , 18, 04017125	3.1	5
179	Time-dependent behavior of rough discontinuities under shearing conditions. 2018 , 15, 51-61		7
178	Determination of Cohesion values of Rock Materials using Double Shear Jaws. 2018 ,		1
177	Natural experiments in rock mechanics using high precision monitoring of chalk sea cliffs. 2018 ,		
176	Deformation Monitoring and Stability Analysis of Shaft Lining in Weakly Cemented Stratum. 2018 , 2018, 1-12		6
175	Evaluation of the Effect of Fault on the Stability of Underground Workings of Coal Mine through DEM and Statistical Analysis. 2018 , 92, 732-742		17
174	Contact mechanics of a dilatant region located at a compressed elastic interface. 2018 , 133, 144-168		14
173	Microscale Analysis of Fractured Rock Sealed With Microbially Induced CaCO ₃ Precipitation: Influence on Hydraulic and Mechanical Performance. 2018 , 54, 8295-8308		20
172	Surface Morphology of Structural Plane and Effects of the Shear Strength Parameters. 2018 , 2018, 1-7		5
171	Extension Strain and Rock Strength Limits for Deep Tunnels, Cliffs, Mountain Walls and the Highest Mountains. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3945-3962	5.7	8
170	A Novel True Triaxial Apparatus for Testing Shear Seepage in Gas-Solid Coupling Coal. 2018 , 2018, 1-9		8
169	New insights on fracture roughness and wall mismatch in carbonate reservoir rocks. 2018 , 14, 1851-1859		10

168	An experimental and analytical study of the effects of shear displacement, fluid type, joint roughness, shear strength, friction angle and dilation angle on proppant embedment development in tight gas sandstone reservoirs. 2018 , 107, 94-109		16
167	Shear properties of cemented rockfills. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018 , 10, 635-644	5-3	10
166	Numerical Analysis for the Progressive Failure of Binary-Medium Interface under Shearing. 2018 , 2018, 1-11		5
165	An approximate nonlinear modified Mohr-Coulomb shear strength criterion with critical state for intact rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018 , 10, 645-652	5-3	29
164	Multiporosity/Multipermeability Inclined-Wellbore Solutions With Mudcake Effects. 2018 , 23, 1723-1747		22
163	An approach to measure infill matrix suction of irregular infilled rock joints under constant normal stiffness shearing. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018 , 10, 653-660	5-3	9
162	Non-linear Shear Strength Criterion for a Rock Joint with Consideration of Friction Variation. 2018 , 36, 3731-3741		9
161	Effect of joint type on the shear behavior of synthetic rock. 2019 , 78, 3395-3412		13
160	Elastoplastic constitutive model for hydraulic aperture analysis of hydro-shearing in geothermal energy development. 2019 , 95, 861-872		1
159	Experimental study of effects of shearing on proppant embedment behaviour of tight gas sandstone reservoirs. 2019 , 172, 228-246		11
158	Determination of shear failure regions of rock joints based on point clouds and image segmentation. <i>Engineering Geology</i> , 2019 , 260, 105250	6	9
157	Introduction to Geologic Structural Discontinuities. 2019 , 1-26		0
156	Elastic Rock Rheology and Stress Concentration. 2019 , 27-74		0
155	Stress, Mohr Circles, and Deformation at Peak Strength. 2019 , 75-142		
154	Cracks and Anticracks. 2019 , 143-169		
153	Discontinuity Patterns and Their Interpretation. 2019 , 170-208		1
152	Faults. 2019 , 209-264		
151	Deformation Bands. 2019 , 265-331		

150	Fracture Mechanics: A Tour of Basic Principles. 2019 , 332-399		1
149	Beyond Linear Elastic Fracture Mechanics. 2019 , 400-503		
148	Glossary. 2019 , 504-528		
147	References. 2019 , 529-586		
146	Index. 2019 , 587-592		
145	Coupling between fluids and rock deformation in the continental crust: Preface. 2019 , 10, 2085-2092		3
144	Estimation of the shear strength of fractured Gosford sandstone based on fractal theory and numerical modelling. 2019 , 182, 106278		7
143	Rockslides and rock avalanches in the Central Andes of Argentina and their possible association with permafrost degradation. 2019 , 30, 330-347		10
142	Characterization of peak shear strength of rough rock joints using limited displacement multi-stage direct shear (LDMDS) tests. 2019 , 92, 13011		
141	Mechanical Anisotropy and Failure Characteristics of Columnar Jointed Rock Masses (CJRM) in Baihetan Hydropower Station: Structural Considerations Based on Digital Image Processing Technology. 2019 , 12, 3602		3
140	Dynamic Mohr-Coulomb and Hoek-Brown strength criteria of sandstone at high strain rates. 2019 , 115, 48-59		44
139	Simulating interface characteristics by using a particulate interface model of a discrete element method. <i>Computers and Geotechnics</i> , 2019 , 109, 1-11	4-4	5
138	Rock strengths and rock failure criteria. 2019 , 85-131		0
137	Estimating the friction angle of black shale core specimens with hybrid-ANN approaches. 2019 , 145, 744-755		30
136	Random Forests and Cubist Algorithms for Predicting Shear Strengths of Rockfill Materials. 2019 , 9, 1621		91
135	A modified JRC-JCS model and its applicability to weathered joints of granite and quartzite. 2019 , 78, 6089-6099		4
134	Roughness Effects on the Shear Strength of Concrete and Rock Joints in Dams Based on Experimental Data. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 3867-3888	5-7	12
133	Effects of Rock Foundation Roughness on the Sliding Stability of Concrete Gravity Dams Based on Topographic Surveys. 2019 , 145, 04019043		4

132	Influence of surface roughness and hydrophilicity on bonding strength of concrete-rock interface. <i>Construction and Building Materials</i> , 2019 , 213, 156-166	6.7	76
131	Crack Patterns in Heterogenous Rocks Using a Combined Phase Field-Cohesive Interface Modeling Approach: A Numerical Study. 2019 , 12, 965		11
130	Influence of weathering-induced iron precipitation on properties of sandstone in a tropical environment. 2019 , 52, 46-60		3
129	Evaluation of Conductive Fracture Aperture Based on a Detailed Geomechanical Model: Myth or Reality in the Context of Complex Fractured Reservoir?. 2019 ,		
128	Evaluation of Conductive Fracture Aperture Based on a Detailed Geomechanical Model: Myth or Reality in the Context of Complex Fractured Reservoir? (Russian). 2019 ,		
127	Effect of confining pressure on mechanics and deformation behavior of sandstone containing a single inclined joint. 2019 , 1-24		4
126	Prediction of rock interlocking by developing two hybrid models based on GA and fuzzy system. 2019 , 35, 1419-1430		7
125	Numerical Investigation on Factors Affecting Stability of Roadway Surrounding Rock with Fractured Roof. 2019 , 37, 2373-2385		8
124	Multiple failure state triaxial testing of the Montney Formation. 2019 , 173, 122-135		3
123	Constitutive model for inherent anisotropic rocks: Ubiquitous joint model based on the Hoek-Brown failure criterion. <i>Computers and Geotechnics</i> , 2019 , 105, 99-109	4.4	20
122	Assessing cohesion of the rocks proposing a new intelligent technique namely group method of data handling. 2020 , 36, 783-793		1
121	Stability assessment of landslide-prone road cut rock slopes in Himalayan terrain: A finite element method based approach. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020 , 12, 59-73	5.3	38
120	Dynamic Modelling of Induced Seismicity by Using Seismic Efficiency Constraints and a New Scaling Law for Slip-Weakening Distance. 2020 , 177, 637-659		2
119	A novel shearing fracture morphology method to assess the influence of freeze-thaw actions on concrete-granite interface. 2020 , 169, 102900		40
118	Graphic Examples of a Logical Nonlinear Strength Criterion for Intact Rock. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 71-75	5.7	0
117	Investigation of the Long-Term Strength Properties of a Discontinuity by Shear Relaxation Tests. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 831-840	5.7	4
116	Representation of faults in reservoir-scale geomechanical finite element models [A comparison of different modelling approaches. 2020 , 131, 103931		2
115	Structural characteristics of columnar jointed basalt in drainage tunnel of Baihetan hydropower station and its influence on the behavior of P-wave anisotropy. <i>Engineering Geology</i> , 2020 , 264, 105304	6	15

114	Influence of Roughness on the Apparent Cohesion of Rock Joints at Low Normal Stresses. 2020 , 146, 04020003		6
113	Effect of Thermal Treatment on the Basic Friction Angle of Rock Joint. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 1973-1990	5-7	35
112	Experimental Study on the Mechanical Properties of Rock Fracture after Grouting Reinforcement. 2020 , 13, 4814		2
111	Controls on the intrinsic flow properties of mudrock fractures: A review of their importance in subsurface storage. 2020 , 211, 103390		5
110	Shear Failure of Bolted Joints considering Mesoscopic Deformation Characteristics of Rock. 2020 , 2020, 1-8		
109	Three-Dimensional Combined Finite-Discrete Element Modeling of Shear Fracture Process in Direct Shearing of Rough Concrete Rock Joints. 2020 , 10, 8033		4
108	Experimental verification of parameter m in Hoek-Brown failure criterion considering the effects of natural fractures. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020 , 12, 1036-1045	5-3	3
107	A shear hardening model for cohesive element method and its application in modeling shear hydraulic fractures in fractured reservoirs. 2020 , 83, 103580		6
106	Static and coupled dynamic testing of granite for geological disposal of high-level waste. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 570, 032016	0-3	0
105	Triaxial Strength Criteria in Mohr Stress Space for Intact Rocks. 2020 , 2020, 1-13		
104	Geo-Congress 2020. 2020 ,		
103	Numerical simulation of experimentally shear-tested contact specimens from existing dam joints. <i>Computers and Geotechnics</i> , 2020 , 125, 103630	4-4	4
102	Faults as Volumetric Weak Zones in Reservoir-Scale Hydro-Mechanical Finite Element Models: A Comparison Based on Grid Geometry, Mesh Resolution and Fault Dip. 2020 , 13, 2673		2
101	Experimental and numerical modeling of the shear behavior of filled rough joints. <i>Computers and Geotechnics</i> , 2020 , 121, 103479	4-4	7
100	A NEW FRACTAL TEMPORAL CONDUCTIVITY MODEL FOR PROPPED FRACTURE AND ITS APPLICATION IN TIGHT RESERVOIRS. 2020 , 28, 2050074		4
99	Frictional behaviour of timber-concrete contact pairs. <i>Construction and Building Materials</i> , 2020 , 243, 118273	6-7	8
98	Numerical Analysis of the Anisotropy and Scale Effects on the Strength Characteristics of Defected Rockmass. 2020 , 2020, 1-21		3
97	Influence of joint geometry and roughness on the multiscale shear behaviour of fractured rock mass using particle flow code. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1-8	10


96	Investigation of the Mechanical Behavior of 3D Printed Polyamide-12 Joints for Reduced Scale Models of Rock Mass. <i>Rock Mechanics and Rock Engineering</i> , 2020 , 53, 2687-2705	5.7	6
95	Hydromechanical properties of 3D printed fractures with controlled surface roughness: Insights into shear-permeability coupling processes. 2020 , 128, 104271		16
94	Considerations on the Laboratory Measurement of the Basic Friction Angle of Planar Rock Surfaces/Effect of Testing Methods and Surface Polishing. 2020 , 38, 2945-2956		2
93	Strength and ultrasonic properties of cemented waste rock backfill considering confining pressure, dosage and particle size effects. <i>Construction and Building Materials</i> , 2020 , 242, 118132	6.7	20
92	Shear Resistance of Rock Joint under Nonuniform Normal Stress. 2020 , 2020, 1-8		3
91	Influence of Reinforcement Parameters on the Seismic Response of Reinforced Earth Dams. 2020 ,		3
90	Modeling the cyclic relaxation behavior of the artificial discontinuity. 2021 , 28, 111-117		0
89	Stress Localization in Brittle Rock-Like Samples of Particle-Filled Joints under Direct Shear Loading. 2021 , 25, 345-355		0
88	Deformation and mechanical characteristics of tunneling in squeezing ground: A case study of the west section of the Tawarazaka Tunnel in Japan. 2021 , 109, 103697		2
87	FracRough—Computer program to calculate fracture roughness from reservoir rock core. 2021 , 9, 100045		1
86	Evaluating the corollary of the interdependency of rock joint properties on subsurface fracturing. 2021 , 80, 567-597		2
85	Shear strength testing of consolidated claystones: breakpoint detection of shear stress versus shear displacement curves, a statistical approach. 2021 , 12, 1		2
84	Experimental Study on Shear Mechanism of Rock-Like Material Containing a Single Non-Persistent Rough Joint. 2021 , 14, 987		
83	Experimental Method for Direct Shear Tests of Hard Rock under Both Normal Stress and Lateral Stress. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021013	3.1	3
82	Mechanical behavior and acoustic emission characteristics of intact granite undergoing direct shear. 2021 , 245, 107581		4
81	Study on shear behavior of coral reef limestone—concrete interface. 1-10		1
80	The Establishment and Evaluation Method of Artificial Microcracks in Rocks. 2021 , 14, 2780		1
79	Unravelling the hydro-mechanical evolution of a porphyry-type deposit by using vein structures. 2021 , 133, 104074		3

78	Some aspects of andesitic Bimrock characterisation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 833, 012062	0.3	
77	Rock engineering challenges in post-mining. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 833, 012002	0.3	
76	Effect of sloppy sample preparation on results from uniaxial compressive strength tests. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 833, 012030	0.3	
75	A quantitative approach to predict tunnel overbreak based on the Q-system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 833, 012165	0.3	0
74	A temperature-dependent mechanical model to assess the stability of degrading permafrost rock slopes. 2021 , 9, 1125-1151		2
73	Influence of Material Strength on the Apparent Cohesion of Unbounded Gravity Dam Joints under Low Normal Stress. 2021 , 147, 06021012		1
72	Peak shear strength criterion for mismatched rock joints: Revisiting JRC-JMC criterion. 2021 , 147, 104894		1
71	A Note on Partial Safety Factors for In-situ Shear Strength Parameters of Rock-Mass. 2021 , 129-138		
70	Study on Tensile Properties and Failure Modes of BFRC. <i>IOP Conference Series: Earth and Environmental Science</i> , 643, 012008	0.3	
69	Evaluation of Geomechanical Properties of Soft Rock Masses by Laboratory and In Situ Testing. 2020 , 187-234		4
68	Shear Strength Parameters of Granite Rock Mass: A Case Study. 2019 , 273-280		2
67	Determination of shear properties and evaluation of fracture reactivation for a clay-rich shale: a case study from Svalbard, Arctic Norway. 2020 , 79, 4859-4872		2
66	3D modelling of the strength effect of backfill-rocks on controlling rockburst risk: a case study. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	10
65	Shear strength and interface friction characteristics of expandable foam grout. <i>Construction and Building Materials</i> , 2020 , 249, 118719	6.7	2
64	Geologic Fracture Mechanics. 2019 ,		7
63	New understanding on the principle of earthquake. 2021 , 35, 2150013		1
62	Charts for estimating rock mass shear strength parameters. 2016 , 10, 257-267		5
61	Study on Grouting Penetration in Soil Rock Mixture and the Mechanical Behavior after Grouting Reinforcement. 2019 , 47, 20170761		2

60	Numerical experiments concerning long-term deformation of rock samples. 2019 , 13, 18-27	3
59	On the mechanism of earthquake. 2014 , 63, 219101	
58	A New Assessment Method for Structural-Control Failure Mechanisms in Rock Slopes [Case Examples. 2016 , 2, 214-230	4
57	Modeling Roughness Effect of Joint Using Rough-Joint Model. 2017 , 1171-1182	
56	Encyclopedia of Engineering Geology. 2018 , 293-295	
55	Encyclopedia of Engineering Geology. 2018 , 1-4	
54	Experimental Studies on the Basic Friction Angle of Planar Rock Surfaces by Tilt Test. 2019 , 47, 20170308	2
53	A Conceptual Model for Estimation on the Strength of Soil Rock Mixture After Grouting Reinforcement. 2019 , 163-173	
52	Nonlinear criteria and the influence of the average principal stress on rocks destruction. 2018 , 12, 37-45	1
51	Preface. 2019 , xi-xv	
50	Integrated development of iron ore deposits based on competitive underground geotechnologies. 250, 569-577	0
49	A Piecewise Yield Failure Criterion including the Critical State for Brittle Rock. 2020 , 2020, 1-18	
48	Evidence of layered piezometry system within the Chalk aquifer in parts of SE England. 2021 , 54, qjgeh2019-175	
47	Quantitative description of the joint surface roughness considering the influence of shear direction. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 570, 032015	0.3
46	The effects of rock-infill interfacial properties on the compressive damage behaviour of flawed rocks: Results from a DEM study. 2022 , 117, 103166	0
45	On the role of fracture process zone size in specifying fracturing mechanism under dominant mode II loading. 2022 , 117, 103150	0
44	Multiyield-Surface Implementation of a Simplified Three-Dimensional Hoek-Brown Strength Criterion. <i>International Journal of Geomechanics</i> , 2022 , 22,	3.1 0
43	A gradient enhanced transversely isotropic damage plasticity model for rock - formulation and comparison of different approaches.	0

42	Dynamic Shear Failure of Freeze-Thawed Tibet Hornfels Subjected to Multilevel Cyclic Shear (MLCS) Loads: Insights into Structural Dependent Failure Characteristics. 2022 , 2021,		1
41	Volumetric and shear strain localization throughout triaxial compression experiments on rocks. 2022 , 822, 229181		1
40	Discussion. 2022 , 193-232		
39	Hazard Assessment of Rocky Slopes: An Integrated PhotogrammetryGIS Approach Including Fracture Density and Probability of Failure Data. <i>Remote Sensing</i> , 2022 , 14, 1438	5	1
38	A study on shear transfer behavior between fractured layers of a concrete composite structure. <i>Construction and Building Materials</i> , 2022 , 328, 127066	6.7	1
37	On the selection of joint constitutive models for geomechanics simulation of fractured rocks. <i>Computers and Geotechnics</i> , 2022 , 145, 104707	4.4	0
36	Are Engineered Geothermal Energy Systems a Viable Solution for Arctic Off-Grid Communities? A Techno-Economic Study. <i>Water (Switzerland)</i> , 2021 , 13, 3526	3	0
35	Artesian conditions in the Chilterns Chalk aquifer (NW of the London Basin) and the implications for surface watergroundwater interactions. <i>Geological Society Special Publication</i> , SP517-2020-144	1.7	
34	Method for visualizing the shear process of rock joints using 3D laser scanning and 3D printing techniques. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022 ,	5.3	0
33	Insight into the dynamic shear fracture and instability of Tibet hornfels subjected to multi-level cyclic shear loads revealed by digital image correlation. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	
32	Unloading effect of the shear resistance of rock joints. <i>Environmental Earth Sciences</i> , 2022 , 81,	2.9	1
31	Shear behaviour of reproduced rough and bolted marble joints using the 3D carving technique. <i>Arabian Journal of Geosciences</i> , 2022 , 15,	1.8	1
30	Empirical shear strength criteria for filled jointed of metasedimentary sandstone. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022 , 1022, 012030	0.3	
29	Stress state in parts of North-East India: borehole collapse modelling with sensitivity analysis. <i>Petroleum Geoscience</i> , petgeo2021-059	1.9	
28	Effects of near-fault stress evolution and surface asperities on rough fault slip: An evaluation based on photoelastic shear tests and additively printed models. <i>Engineering Geology</i> , 2022 , 305, 106715	6	0
27	A Progressive Approach to Account for Large-Scale Roughness of ConcreteRock Interface in Practical Stability Analyses for Dam Safety Evaluation. <i>International Journal of Geomechanics</i> , 2022 , 22,	3.1	0
26	An Instability Line for Spalling Around Circular Openings and the Limiting Effects of Scale. <i>Rock Mechanics and Rock Engineering</i> ,	5.7	
25	Effect of aggregate size distribution and confining pressure on mechanical property and microstructure of cemented gangue backfill materials. <i>Advanced Powder Technology</i> , 2022 , 33, 103686	4.6	0

24	Seismic Performance of Rock Slopes and Wedges Accounting for Progressive Strength Reduction of Joints. 2023 , 449-456	
23	Analysis of rock slope stability for Mohmand Dam A comparative study. 2022 , 9,	0
22	Representative sampling method for laboratory testing on shear strength of rock joints. 10,	0
21	On the Influence of Direction-Dependent Behavior of Rock Mass in Simulations of Deep Tunneling Using a Novel Gradient-Enhanced Transversely Isotropic DamagePlasticity Model. 2022 , 12, 8532	1
20	Effects of Cavities on Lining Structure behind Cold Zone Tunnels Based on Coupled Thermal Analysis. 2022 , 2022, 1-13	0
19	Crater-rim collapse at Stromboli volcano: understanding the mechanisms leading from the failure of hot rocks to the development of glowing avalanches.	0
18	Mechanical failure analysis during direct shear of double-joint rock mass. 2022 , 81,	2
17	Inversions of landslide strength as a proxy for subsurface weathering. 2022 , 13,	0
16	Evaluating rockfalls at a historical settlement in the Ihlara Valley (Cappadocia, Turkey) using kinematic, numerical, 2D trajectory, and risk rating methods.	1
15	Practical workflow for assessment of seismic hazard in low enthalpy geothermal systems. 2022 , 8,	0
14	Numerical study on tunnel damage subject to blast loads in jointed rock masses. 2022 , 81,	0
13	Triggering of Rain-Induced Landslides, with Applications in Southern Italy. 2023 , 15, 277	0
12	Rheology and breakdown energy of a shear zone undergoing flash heating in earthquake-like discrete element models. 2023 , 233, 1492-1514	0
11	An improved DEM-based mesoscale modeling of bimrocks with high-volume fraction. 2023 , 157, 105351	1
10	Investigation on mechanical behavior of pre-tensioned bolt in fractured rock mass using Continuum Discontinuum Element Method(CDEM). 2023 , 151, 30-40	0
9	Advances in joint roughness coefficient (JRC) and its engineering applications. 2023 ,	0
8	Effect of Anisotropy on Basic and Residual Friction Angles in Schist Rocks. 2023 , 23, 208-215	0
7	Testing the Shear Strength of Mass Concrete Lift Lines: A Comparison of Procedures. 2023 , 8, 55	0

- 6 The novel strength criterion and the associated constitutive model based on the finite deformation behavior for the rock under the disturbance stress paths. **2023**, 100456
- 5 Analysis and evaluation of direct shear tests on concrete joints in hydraulic structures.
- 4 Assessing flank instability of Stromboli volcano (Italy) by reappraising the 30 December 2002 tsunamigenic landslides.
- 3  Online first,
- 2 Study on the Mechanical Behavior and Constitutive Model of Layered Sandstone under Triaxial Dynamic Loading. **2023**, 11, 1959
- 1 Dynamic compressive failure of coal at different burial depths. **2023**, 9,