Feng Dai

List of Publications by Year
in descending order

149 papers	8,580 citations	28242 55 h-index	51562 86 g-index
150 all docs	150 docs citations	150 times ranked	3047 citing authors

#	Article	IF	Citations
1	A fracture model for assessing tensile mode crack growth resistance of rocks. Journal of Rock Mechanics and Geotechnical Engineering, 2023, 15, 395-411.	3.7	32
2	Mechanical behaviors of conjugate-flawed rocks subjected to coupled staticâ€“dynamic compression. Acta Geotechnica, 2022, 17, 1765-1784.	2.9	34
3	Deformation mechanisms of sidewall in layered rock strata dipping steeply against the inner space of large underground powerhouse cavern. Tunnelling and Underground Space Technology, 2022, 120, 104305.	3.0	12
4	Experimental and numerical investigation on the mechanical responses and cracking mechanism of 3D confined single-flawed rocks under dynamic loading. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 477-493.	3.7	26
5	Experimental assessment on the dynamic mechanical response of rocks under cyclic coupled compression-shear loading. International Journal of Mechanical Sciences, 2022, 216, 106970.	3.6	22
6	Dynamic mechanical behaviors of pre-fractured sandstone with noncoplanar and unparallel flaws. Mechanics of Materials, 2022, 166, 104219.	1.7	9
7	Fracture analysis of threeâ€point bending notched granite beams under prepeak and postpeak cyclic loading by digital image correlation and acoustic emission techniques. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 904-920.	1.7	14
8	Experimental evaluation of sandstone under cyclic coupled compression-shear loading: fatigue mechanical response and failure behavior. Acta Geotechnica, 2022, 17, 3315-3336.	2.9	16
9	Effect of Confining Pressure and Strain Rate on Mechanical Behaviors and Failure Characteristics of Sandstone Containing a Pre-existing Flaw. Rock Mechanics and Rock Engineering, 2022, 55, 2091-2109.	2.6	41
10	Characteristics of microseismic b-value associated with rock mass large deformation in underground powerhouse caverns at different stress levels. Journal of Central South University, 2022, 29, 693-711.	1.2	24
11	Application of machine learning in predicting the rate-dependent compressive strength of rocks. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1356-1365.	3.7	20
12	Influence of Inter-Particle Friction and Damping on the Dynamics of Spherical Projectile Impacting Onto a Soil Bed. Frontiers in Earth Science, 2022, 10, .	0.8	4
13	Experimental evaluation of the transient propagation fracture properties of rocks under dynamic mode I loading: An insight from digital image correlation. Theoretical and Applied Fracture Mechanics, 2022, 119, 103370.	2.1	15
14	Experimental assessment on the fatigue mechanical properties and fracturing mechanism of sandstone exposed to freeze-thaw treatment and cyclic uniaxial compression. Engineering Geology, 2022, 306, 106724.	2.9	24
15	Tensile mechanical behavior and fracture characteristics of sandstone exposed to freeze-thaw treatment and dynamic loading. International Journal of Mechanical Sciences, 2022, 226, 107405.	3.6	21
16	Dynamic Compressionâ€“Shear Response and Failure Criterion of Rocks with Hydrostatic Confining Pressure: An Experimental Investigation. Rock Mechanics and Rock Engineering, 2021, 54, 955-971.	2.6	23
17	Discrete element analysis of dry granular flow impact on slit dams. Landslides, 2021, 18, 1143-1152.	2.7	24
18	Effects of dynamic strain rate on the energy dissipation and fragment characteristics of cross-fissured rocks. International Journal of Rock Mechanics and Minings Sciences, 2021, 138, 104600.	2.6	59

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19	Frequency Characteristics of Acoustic Emissions Induced by Crack Propagation in Rock Tensile Fracture. Rock Mechanics and Rock Engineering, 2021, 54, 2053-2065.	2.6	52
20	An asymmetric semi-circular bend method for investigating fracture behavior of brittle rocks under dynamic mixed mode I/II loading. Review of Scientific Instruments, 2021, 92, 035112.	0.6	11
21	A novel method for automatic identification of rock fracture signals in microseismic monitoring. Measurement: Journal of the International Measurement Confederation, 2021, 175, 109129.	2.5	17
22	Numerical assessment of the rate-dependent cracking behaviours of single-flawed rocks in split Hopkinson pressure bar tests. Engineering Fracture Mechanics, 2021, 247, 107656.	2.0	20
23	Influence of particle size on the buffering efficiency of soil cushion layer against rockfall impact. Natural Hazards, 2021, 108, 1469-1488.	1.6	15
24	Seismic Performance Assessment of Velocity Pulse-Like Ground Motions Under Near-Field Earthquakes. Rock Mechanics and Rock Engineering, 2021, 54, 3799-3816.	2.6	8
25	Investigation of the influence of intermediate principal stress on the dynamic responses of rocks subjected to true triaxial stress state. International Journal of Mining Science and Technology, 2021, 31, 913-926.	4.6	39
26	Influences of Loading Method and Notch Type on Rock Fracture Toughness Measurements: From the Perspectives of T-Stress and Fracture Process Zone. Rock Mechanics and Rock Engineering, 2021, 54, 4965-4986.	2.6	81
27	Dynamic stability evaluation of underground cavern sidewalls against flexural toppling considering excavation-induced damage. Tunnelling and Underground Space Technology, 2021, 112, 103903.	3.0	78
28	Dynamic Cracking Behaviors and Energy Evolution of Multi-flawed Rocks Under Static Pre-compression. Rock Mechanics and Rock Engineering, 2021, 54, 5117-5139.	2.6	58
29	New insights into the fracture mechanism of flattened Brazilian disc specimen using digital image correlation. Engineering Fracture Mechanics, 2021, 252, 107810.	2.0	25
30	Crack propagation process and acoustic emission characteristics of rock-like specimens with double parallel flaws under uniaxial compression. Theoretical and Applied Fracture Mechanics, 2021, 114, 102983.	2.1	32
31	Experimental Investigation of the Dynamic Tensile Properties of Naturally Saturated Rocks Using the Coupled Staticâ€“Dynamic Flattened Brazilian Disc Method. Energies, 2021, 14, 4784.	1.6	14
32	Laboratory-scale mixed-mode I/II fracture tests on columnar saline ice. Theoretical and Applied Fracture Mechanics, 2021, 114, 102982.	2.1	15
33	A wing-crack extension model for tensile response of saturated rocks under coupled static-dynamic loading. International Journal of Rock Mechanics and Minings Sciences, 2021, 146, 104893.	2.6	19
34	A review of experimental and theoretical research on the deformation and failure behavior of rocks subjected to cyclic loading. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 1203-1230.	3.7	142
35	Experimental and Numerical Investigation on the Dynamic Failure Envelope and Cracking Mechanism of Precompressed Rock under Compression-Shear Loads. International Journal of Geomechanics, 2021, 21, .	1.3	4
36	Triaxial Fatigue Behavior and Acoustic Emission Characteristics of Saturated Tuff. International Journal of Geomechanics, 2021, 21, .	1.3	6

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37	Experimental investigation of pre-flawed rocks under combined static-dynamic loading: Mechanical responses and fracturing characteristics. International Journal of Mechanical Sciences, 2021, 211, 106755.	3.6	27
38	Fast Marching Method for Microseismic Source Location in Cavern-Containing Rockmass: Performance Analysis and Engineering Application. Engineering, 2021, 7, 1023-1034.	3.2	70
39	Experimental investigation of mechanical damage and acoustic emission characteristics of tuff under triaxial compression. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3
40	Influence of two unparallel fissures on the mechanical behaviours of rock-like specimens subjected to uniaxial compression. European Journal of Environmental and Civil Engineering, 2020, 24, 1643-1663.	1.0	10
41	Laboratory Investigation on Shear Behaviors of Boltâ€“Grout Interface Subjected to Constant Normal Stiffness. Rock Mechanics and Rock Engineering, 2020, 53, 1333-1347.	2.6	16
42	Mechanical responses and failure mechanism of hydrostatically pressurized rocks under combined compression-shear impacting. International Journal of Mechanical Sciences, 2020, 165, 105219.	3.6	102
43	Dynamic response and failure mechanism of hydrostatically pressurized rocks subjected to high loading rate impacting. Soil Dynamics and Earthquake Engineering, 2020, 129, 105927.	1.9	47
44	Dynamic tensile behavior of rocks under static pre-tension using the flattened Brazilian disc method. International Journal of Rock Mechanics and Minings Sciences, 2020, 126, 104208.	2.6	41
45	Numerical modelling of the near-field velocity pulse-like ground motions of the Northridge earthquake. Acta Geophysica, 2020, 68, 993-1006.	1.0	10
46	Experimental investigations of the dynamic mechanical properties and fracturing behavior of cracked rocks under dynamic loading. Bulletin of Engineering Geology and the Environment, 2020, 79, 5535-5552.	1.6	49
47	Simulating the near-field pulse-like ground motions of the Imperial Valley, California, earthquake. Soil Dynamics and Earthquake Engineering, 2020, 138, 106347.	1.9	17
48	Mechanical Properties and Acoustic Emission Characteristics of the Bedrock of a Hydropower Station under Cyclic Triaxial Loading. Rock Mechanics and Rock Engineering, 2020, 53, 5203-5221.	2.6	35
49	Experimental investigation of fracture damage of notched granite beams under cyclic loading using DIC and AE techniques. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1583-1596.	1.7	47
50	An automatic classification method for microseismic events and blasts during rock excavation of underground caverns. Tunnelling and Underground Space Technology, 2020, 101, 103425.	3.0	24
51	DEM investigation on the mechanical behaviors of flawed specimens subjected to coupled static-dynamic loads. Soil Dynamics and Earthquake Engineering, 2020, 135, 106220.	1.9	16
52	Dynamic Strength and Cracking Behaviors of Single-Flawed Rock Subjected to Coupled Staticâ€“Dynamic Compression. Rock Mechanics and Rock Engineering, 2020, 53, 4289-4298.	2.6	59
53	Numerical analyses of mesh size effects on core discing. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	2
54	Microseismic monitoring and stability analysis for the large-scale underground caverns at the Wudongde hydropower station. Bulletin of Engineering Geology and the Environment, 2020, 79, 3559-3573.	1.6	27

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55	Numerical investigation on dynamic fracture behavior of cracked rocks under mixed mode I/II loading. Engineering Fracture Mechanics, 2020, 235, 107176.	2.0	34
56	Experimental and numerical studies on compression-shear behaviors of brittle rocks subjected to combined static-dynamic loading. International Journal of Mechanical Sciences, 2020, 175, 105520.	3.6	52
57	Experimental study on the crack propagation and acoustic emission characteristics of notched rock beams under post-peak cyclic loading. Engineering Fracture Mechanics, 2020, 226, 106890.	2.0	47
58	Continuum analysis of the structurally controlled displacements for large-scale underground caverns in bedded rock masses. Tunnelling and Underground Space Technology, 2020, 97, 103288.	3.0	98
59	Discrete Element Analyses of a Realistic-shaped Rock Block Impacting Against a Soil Buffering Layer. Rock Mechanics and Rock Engineering, 2020, 53, 3807-3822.	2.6	22
60	Experimental and numerical investigation on the mechanical properties and progressive failure mechanism of intermittent multi-jointed rock models under uniaxial compression. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	17
61	Dynamic analysis of rock mass deformation in large underground caverns considering microseismic data. International Journal of Rock Mechanics and Minings Sciences, 2019, 122, 104078.	2.6	50
62	Analysis of a Complex Flexural Toppling Failure of Large Underground Caverns in Layered Rock Masses. Rock Mechanics and Rock Engineering, 2019, 52, 3157-3181.	2.6	33
63	DEM analyses of rock block shape effect on the response of rockfall impact against a soil buffering layer. Engineering Geology, 2019, 249, 60-70.	2.9	60
64	Coupled effects of static-dynamic strain rates on the mechanical and fracturing behaviors of rock-like specimens containing two unparallel fissures. Engineering Fracture Mechanics, 2019, 207, 237-253.	2.0	51
65	A damage constitutive model for intermittent jointed rocks under cyclic uniaxial compression. International Journal of Rock Mechanics and Minings Sciences, 2018, 103, 289-301.	2.6	133
66	Focal mechanism determination for microseismic events and its application to the left bank slope of the Baihetan hydropower station in China. Environmental Earth Sciences, 2018, 77, 1.	1.3	12
67	Stability assessment of the left bank slope of the Baihetan Hydropower Station, Southwest China. International Journal of Rock Mechanics and Minings Sciences, 2018, 104, 34-44.	2.6	49
68	An Elasto-Plastic Damage Model for Rocks Based on a New Nonlinear Strength Criterion. Rock Mechanics and Rock Engineering, 2018, 51, 1413-1429.	2.6	13
69	Effects of strain rate on the mechanical and fracturing behaviors of rock-like specimens containing two unparallel fissures under uniaxial compression. Soil Dynamics and Earthquake Engineering, 2018, 110, 195-211.	1.9	60
70	Stability analysis and failure mechanism of the steeply inclined bedded rock masses surrounding a large underground opening. Tunnelling and Underground Space Technology, 2018, 77, 45-58.	3.0	60
71	Comprehensive evaluation of the stability of the left-bank slope at the Baihetan hydropower station in southwest China. Bulletin of Engineering Geology and the Environment, 2018, 77, 1567-1588.	1.6	33
72	Centrifuge Model Test on Unsaturated Expansive Soil Slopes with Cyclic Wettingâ€“Drying and Inundation at the Slope Toe. International Journal of Civil Engineering, 2018, 16, 1341-1360.	0.9	21

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73	Experimental and numerical investigation of cracked chevron notched Brazilian disc specimen for fracture toughness testing of rock. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 197-211.	1.7	58
74	Effects of coupled static and dynamic strain rates on mechanical behaviors of rock-like specimens containing pre-existing fissures under uniaxial compression. Canadian Geotechnical Journal, 2018, 55, 640-652.	1.4	65
75	Dynamic Response and Failure Mechanism of Brittle Rocks Under Combined Compression-Shear Loading Experiments. Rock Mechanics and Rock Engineering, 2018, 51, 747-764.	2.6	123
76	An experimental and theoretical comparison of CCNBD and CCNSCB specimens for determining mode I fracture toughness of rocks. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1002-1018.	1.7	45
77	Experimental and numerical investigation on the tensile fatigue properties of rocks using the cyclic flattened Brazilian disc method. Soil Dynamics and Earthquake Engineering, 2018, 105, 68-82.	1.9	59
78	A novel chevron notched short rod bend method for measuring the mode I fracture toughness of rocks. Engineering Fracture Mechanics, 2018, 190, 1-15.	2.0	72
79	Numerical Modeling of Stability of Fractured Reservoir Bank Slopes Subjected to Waterâ€“Rock Interactions. Rock Mechanics and Rock Engineering, 2018, 51, 2517-2531.	2.6	47
80	Large Deformation Characteristics and Reinforcement Measures for a Rock Pillar in the Houziyan Underground Powerhouse. Rock Mechanics and Rock Engineering, 2018, 51, 561-578.	2.6	29
81	Experimental Investigation on the Fatigue Mechanical Properties of Intermittently Jointed Rock Models Under Cyclic Uniaxial Compression with Different Loading Parameters. Rock Mechanics and Rock Engineering, 2018, 51, 47-68.	2.6	214
82	Behavior and Modeling of Fiber-Reinforced Clay under Triaxial Compression by Combining the Superposition Method with the Energy-Based Homogenization Technique. International Journal of Geomechanics, 2018, 18, .	1.3	87
83	Reduction of Landslide Shear Resistance by Gravel Fragmentation: Insights from DEM Modelling. , 2018, , 34-41.		0
84	Mechanical behaviors of rock-like specimens with two non-coplanar fissures subjected to coupled static-dynamic loads. Engineering Fracture Mechanics, 2018, 199, 692-704.	2.0	30
85	Quantifying the impact of dry debris flow against a rigid barrier by DEM analyses. Engineering Geology, 2018, 241, 86-96.	2.9	120
86	Mechanical behavior of intermittent jointed rocks under random cyclic compression with different loading parameters. Soil Dynamics and Earthquake Engineering, 2018, 113, 12-24.	1.9	58
87	Numerical investigation on the dynamic strength and failure behavior of rocks under hydrostatic confinement in SHPB testing. International Journal of Rock Mechanics and Minings Sciences, 2018, 108, 43-57.	2.6	74
88	A Further Improved Maximum Tangential Stress Criterion for Assessing Mode I Fracture of Rocks Considering Non-singular Stress Terms of the Williams Expansion. Rock Mechanics and Rock Engineering, 2018, 51, 3471-3488.	2.6	50
89	Coupled DEM-CFD investigation on the formation of landslide dams in narrow rivers. Landslides, 2017, 14, 189-201.	2.7	79
90	Comprehensive evaluation of excavation-damaged zones in the deep underground caverns of the Houziyan hydropower station, Southwest China. Bulletin of Engineering Geology and the Environment, 2017, 76, 275-293.	1.6	42

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91	DEM investigation on fracture mechanism of the CCNSCB specimen under intermediate dynamic loading. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	9
92	Discussion on â€œA calibration methodology to obtain material parameters for the representation of fracture mechanics based on discrete element simulationsâ€• Computers and Geotechnics, 2017, 86, 246-248.	2.3	2
93	Experimental Investigation of the Influence of Joint Geometric Configurations on the Mechanical Properties of Intermittent Jointed Rock Models Under Cyclic Uniaxial Compression. Rock Mechanics and Rock Engineering, 2017, 50, 1453-1471.	2.6	126
94	Microseismic early warning of surrounding rock mass deformation in the underground powerhouse of the Houziyan hydropower station, China. Tunnelling and Underground Space Technology, 2017, 62, 64-74.	3.0	69
95	Fracture prediction of rocks under mode I and mode II loading using the generalized maximum tangential strain criterion. Engineering Fracture Mechanics, 2017, 186, 21-38.	2.0	104
96	An experimental and theoretical assessment of semi-circular bend specimens with chevron and straight-through notches for mode I fracture toughness testing of rocks. International Journal of Rock Mechanics and Minings Sciences, 2017, 99, 28-38.	2.6	127
97	Numerical investigation on the dynamic progressive fracture mechanism of cracked chevron notched semi-circular bend specimens in split Hopkinson pressure bar tests. Engineering Fracture Mechanics, 2017, 184, 202-217.	2.0	38
98	Analysis of impact-induced rock fragmentation using a discrete element approach. International Journal of Rock Mechanics and Minings Sciences, 2017, 98, 33-38.	2.6	66
99	Cyclic flattened Brazilian disc tests for measuring the tensile fatigue properties of brittle rocks. Review of Scientific Instruments, 2017, 88, 083902.	0.6	19
100	Analysis on velocity distribution and displacement along the profile of a slope using both empirical and analytical methods. Journal of Mountain Science, 2017, 14, 2589-2602.	0.8	0
101	Microseismic Monitoring of the Left Bank Slope at the Baihetan Hydropower Station, China. Rock Mechanics and Rock Engineering, 2017, 50, 225-232.	2.6	59
102	Numerical Investigation of the Dynamic Properties of Intermittent Jointed Rock Models Subjected to Cyclic Uniaxial Compression. Rock Mechanics and Rock Engineering, 2017, 50, 89-112.	2.6	67
103	Constant Strain Rate Uniaxial Compression of Green Sandstone during SHPB Tests Driven by Pendulum Hammer. Shock and Vibration, 2017, 2017, 1-12.	0.3	4
104	Testing DEM Approaches for Rockfall Impact Modeling. , 2017, , .		0
105	Fracture Toughness Determination of Cracked Chevron Notched Brazilian Disc Rock Specimen via Griffith Energy Criterion Incorporating Realistic Fracture Profiles. Rock Mechanics and Rock Engineering, 2016, 49, 3083-3093.	2.6	62
106	Deformation forecasting and stability analysis of large-scale underground powerhouse caverns from microseismic monitoring. International Journal of Rock Mechanics and Minings Sciences, 2016, 86, 269-281.	2.6	133
107	Microseismicity and its timeâ€“frequency characteristics of the left bank slope at the Jinping first-stage hydropower station during reservoir impoundment. Environmental Earth Sciences, 2016, 75, 1.	1.3	18
108	Experimental and Numerical Study on the Cracked Chevron Notched Semi-Circular Bend Method for Characterizing the Mode I Fracture Toughness of Rocks. Rock Mechanics and Rock Engineering, 2016, 49, 1595-1609.	2.6	67

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109	Loading-rate-dependent progressive fracturing of cracked chevron-notched Brazilian disc specimens in split Hopkinson pressure bar tests. International Journal of Rock Mechanics and Minings Sciences, 2016, 88, 49-60.	2.6	110
110	Discrete element simulation of dynamic semi-circular bend flexure tests of rocks using split Hopkinson pressure bar. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	12
111	Stress intensity factors and fracture process zones of ISRM-suggested chevron notched specimens for mode I fracture toughness testing of rocks. Engineering Fracture Mechanics, 2016, 168, 174-189.	2.0	98
112	Experimental and numerical study on the fracture process zone and fracture toughness determination for ISRM-suggested semi-circular bend rock specimen. Engineering Fracture Mechanics, 2016, 154, 43-56.	2.0	137
113	Microseismic Monitoring of Strainburst Activities in Deep Tunnels at the Jinping II Hydropower Station, China. Rock Mechanics and Rock Engineering, 2016, 49, 981-1000.	2.6	106
114	Numerical Investigation of Dynamic Rock Fracture Toughness Determination Using a Semi-Circular Bend Specimen in Split Hopkinson Pressure Bar Testing. Rock Mechanics and Rock Engineering, 2016, 49, 731-745.	2.6	123
115	Numerical Observation of Three-Dimensional Wing Cracking of Cracked Chevron Notched Brazilian Disc Rock Specimen Subjected to Mixed Mode Loading. Rock Mechanics and Rock Engineering, 2016, 49, 79-96.	2.6	33
116	Boundary setting method for the seismic dynamic response analysis of engineering rock mass structures using the discontinuous deformation analysis method. International Journal for Numerical and Analytical Methods in Geomechanics, 2015, 39, 1693-1712.	1.7	40
117	Stability Evaluation on Surrounding Rocks of Underground Powerhouse Based on Microseismic Monitoring. Shock and Vibration, 2015, 2015, 1-9.	0.3	10
118	Microseismic Signal Characterization and Numerical Simulation of Concrete Beam Subjected to Three-Point Bending Fracture. Journal of Sensors, 2015, 2015, 1-11.	0.6	245
119	Microseismic monitoring and stability evaluation for the large scale underground caverns at the Houziyan hydropower station in Southwest China. Engineering Geology, 2015, 188, 48-67.	2.9	101
120	Static and dynamic uniaxial compression tests on coal rock considering the bedding directivity. Environmental Earth Sciences, 2015, 73, 5933-5949.	1.3	84
121	Three-dimensional numerical evaluation of the progressive fracture mechanism of cracked chevron notched semi-circular bend rock specimens. Engineering Fracture Mechanics, 2015, 134, 286-303.	2.0	58
122	Scale dependence of shear strength for a coarse granular soil using a superimposition-nest type of direct shear apparatus. Arabian Journal of Geosciences, 2015, 8, 10301-10312.	0.6	3
123	Fractal analysis of acoustic emission during uniaxial and triaxial loading of rock. International Journal of Rock Mechanics and Minings Sciences, 2015, 79, 241-249.	2.6	79
124	A composite particle model for non-spherical particles in DEM simulations. Granular Matter, 2015, 17, 763-774.	1.1	56
125	Numerical investigation of the progressive fracture mechanisms of four ISRM-suggested specimens for determining the mode I fracture toughness of rocks. Computers and Geotechnics, 2015, 69, 424-441.	2.3	61
126	Numerical Assessment of the Progressive Rock Fracture Mechanism of Cracked Chevron Notched Brazilian Disc Specimens. Rock Mechanics and Rock Engineering, 2015, 48, 463-479.	2.6	83

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127	The Dynamic Evaluation of Rock Slope Stability Considering the Effects of Microseismic Damage. Rock Mechanics and Rock Engineering, 2014, 47, 621-642.	2.6	110
128	A soil damage model expressed by a double scalar and its applications. Acta Mechanica, 2014, 225, 2667-2683.	1.1	1
129	Flattened Brazilian Disc Method for Determining the Dynamic Tensile Stress-Strain Curve of Low Strength Brittle Solids. Experimental Mechanics, 2013, 53, 1153-1159.	1.1	36
130	Static and Dynamic Flexural Strength Anisotropy of Barre Granite. Rock Mechanics and Rock Engineering, 2013, 46, 1589-1602.	2.6	75
131	Micromechanical model for the rate dependence of the fracture toughness anisotropy of Barre granite. International Journal of Rock Mechanics and Minings Sciences, 2013, 63, 113-121.	2.6	33
132	Laboratory measurements of the rate dependence of the fracture toughness anisotropy of Barre granite. International Journal of Rock Mechanics and Minings Sciences, 2013, 60, 57-65.	2.6	116
133	Evaluation of the frictional effect in dynamic notched semi-circular bend tests. International Journal of Rock Mechanics and Minings Sciences, 2013, 62, 148-151.	2.6	24
134	Laboratory characterization of the fracture toughness anisotropy of Barre granite. , 2013, , 199-205.		0
135	Establishment of a Dynamic Mohrâ€“Coulomb Failure Criterion for Rocks. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, 55-60.	0.4	15
136	Establishment of a Dynamic Mohrâ€“Coulomb Failure Criterion for Rocks. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, 55-60.	0.4	8
137	Excavation-induced microseismicity: microseismic monitoring and numerical simulation. Journal of Zhejiang University: Science A, 2012, 13, 445-460.	1.3	46
138	Suggested methods for determining the dynamic strength parameters and mode-I fracture toughness of rock materials. International Journal of Rock Mechanics and Minings Sciences, 2012, 49, 105-112.	2.6	616
139	Determination of dynamic rock Mode-I fracture parameters using cracked chevron notched semi-circular bend specimen. Engineering Fracture Mechanics, 2011, 78, 2633-2644.	2.0	166
140	Suggested Methods for Determining the Dynamic Strength Parameters and Mode-I Fracture Toughness of Rock Materials. , 2011, , 35-44.		40
141	Determination of Dynamic Tensile Properties for Low Strength Brittle Solids. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 321-326.	0.3	3
142	A Dynamic CCNBD Method for Measuring Dynamic Fracture Parameters. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 39-48.	0.3	1
143	Loading Rate Dependence of Tensile Strength Anisotropy of Barre Granite. Pure and Applied Geophysics, 2010, 167, 1419-1432.	0.8	109
144	Some Fundamental Issues in Dynamic Compression and Tension Tests of Rocks Using Split Hopkinson Pressure Bar. Rock Mechanics and Rock Engineering, 2010, 43, 657-666.	2.6	378

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145	A Semi-Circular Bend Technique for Determining Dynamic Fracture Toughness. Experimental Mechanics, 2010, 50, 783-791.	1.1	130
146	Rate dependence of the flexural tensile strength of Laurentian granite. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 469-475.	2.6	129
147	Dynamic cracked chevron notched Brazilian disc method for measuring rock fracture parameters. International Journal of Rock Mechanics and Minings Sciences, 2010, 47, 606-613.	2.6	107
148	Determination of dynamic fracture parameters using a semi-circular bend technique in split Hopkinson pressure bar testing. Engineering Fracture Mechanics, 2009, 76, 1268-1276.	2.0	198
149	Semicircular bend testing with split Hopkinson pressure bar for measuring dynamic tensile strength of brittle solids. Review of Scientific Instruments, 2008, 79, 123903.	0.6	71