Xiao-Ping Zhou

List of Publications by Year
in descending order

157	5,311	94381 37	114418 63
papers	citations	h-index	g-index

158	158	158	1671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drucker-Prager plasticity model in the framework of OSB-PD theory with shear deformation. Engineering With Computers, 2023, 39, 1395-1414.	3.5	16
2	Peridynamic simulation of the mechanical responses and fracturing behaviors of granite subjected to uniaxial compression based on CT heterogeneous data. Engineering With Computers, 2023, 39, 307-329.	3.5	10
3	A novel method for accurate simulations of concentrated forces in finite element analysis. Engineering With Computers, 2022, 38, 2791-2803.	3.5	2
4	Novel coolingâ€“solidification annealing reconstruction of rock models. Acta Geotechnica, 2022, 17, 1785-1802.	2.9	7
5	Smoothed Bond-Based Peridynamics. Journal of Peridynamics and Nonlocal Modeling, 2022, 4, 452-474.	1.4	3
6	Digital Evaluation of Micro-Pore Water Effects on Mechanical and Damage Characteristics of Sandstone Subjected to Uniaxial, Cyclic Loadingâ€“Unloading Compression by 3D Reconstruction Technique. Rock Mechanics and Rock Engineering, 2022, 55, 147-167.	2.6	16
7	Investigation of creep damage mechanical behaviors of red sandstone considering temperature effect. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 411-424.	1.7	14
8	Creep damage behaviors of red sandstone subjected to uniaxial compression after highâ€temperature heat treatment using acoustic emission technology. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 302-322.	1.7	15
9	DQNN: Pore-scale variables-based digital permeability assessment of carbonates using quantum mechanism-based machine-learning. Science China Technological Sciences, 2022, 65, 458-469.	2.0	6
10	A stateâ€ofâ€theâ€art review on creep damage mechanics of rocks. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 627-652.	1.7	25
11	Novel Three-Dimensional Sarma Method with Vertical Slices for Stability Analysis of Rock Slopes. International Journal of Geomechanics, 2022, 22, .	1.3	2
12	From statistical mechanics to nonlocal theory. Acta Mechanica, 2022, 233, 869-887.	1.1	10
13	Dynamic mechanical properties and cracking behaviours of persistent fractured granite under impact loading with various loading rates. Theoretical and Applied Fracture Mechanics, 2022, 118, 103281.	2.1	19
14	A viscoelastic model of geometry-constraint-based non-ordinary state-based peridynamics with progressive damage. Computational Mechanics, 2022, 69, 1413-1441.	2.2	10
15	Experimental study on the fracture and fatigue behaviors of flawed sandstone under coupled freezeâ€“thaw and cyclic loads. Theoretical and Applied Fracture Mechanics, 2022, 119, 103299.	2.1	13
16	Experimental study on the progressive failure of doubleâ€flawed granite samples subjected to impact loads. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 653-670.	1.7	11
17	The peridynamic Druckerâ€Prager plastic model with fractional order derivative for the numerical simulation of tunnel excavation. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 1620-1659.	1.7	6
18	Stickâ€“slip shear failure along bimaterial interfaces: An experimental study on granite and basalt. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2023-2046.	1.7	2

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19	Numerical modelling of compressible hyperelasticity via smoothed state-based peridynamics. Engineering Analysis With Boundary Elements, 2022, 140, 476-493.	2.0	7
20	A novel kinematic-constraint-inspired non-ordinary state-based peridynamics. Applied Mathematical Modelling, 2022, 109, 709-740.	2.2	8
21	Experimental study on triaxial creep behavior of red sandstone under different pore pressures based on ultrasonic measurement. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2388-2402.	1.7	1
22	Digital analysis for pore-scale compressive strength and permeability of foamed cement with realistic microstructures by X-ray-Î¼CT imaging. Construction and Building Materials, 2022, 346, 128456.	3.2	2
23	Digital microstructure insights to phase evolution and thermal flow properties of hydrates by X-ray computed tomography. Science China Technological Sciences, 2021, 64, 187-202.	2.0	4
24	A coupled hydro-mechanical non-ordinary state-based peridynamics for the fissured porous rocks. Engineering Analysis With Boundary Elements, 2021, 123, 133-146.	2.0	19
25	Cracking behaviours of rockâ€like materials containing three preexisting flaws after highâ€temperature treatments. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 622-635.	1.7	16
26	Permeability prediction of porous geomaterials subjected to freeze-thaw cycles based on 3D reconstruction technology. Cold Regions Science and Technology, 2021, 181, 103180.	1.6	8
27	Damage analysis of sandstone during the creep stage under the different levels of uniaxial stress using NMR measurements. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 719-732.	1.7	34
28	State-of-the-Art Review on the Progressive Failure Characteristics of Geomaterials in Peridynamic Theory. Journal of Engineering Mechanics - ASCE, 2021, 147, .	1.6	46
29	Rapid uniaxial compressive strength assessment by microstructural properties using X-ray CT imaging and virtual experiments. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	4
30	Cracking behaviors and chaotic characteristics of sandstone with unfilled and filled dentate flaw. Theoretical and Applied Fracture Mechanics, 2021, 112, 102876.	2.1	30
31	Compressionâ€induced crack initiation and growth in flawed rocks: A review. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1681-1707.	1.7	54
32	Failure characteristics of coarse and fine sandstone containing two parallel fissures subjected to true triaxial stresses. Theoretical and Applied Fracture Mechanics, 2021, 112, 102932.	2.1	16
33	Compressive-shear fracture model of the phase-field method coupled with a modified Hoekâ€“Brown criterion. International Journal of Fracture, 2021, 229, 161-184.	1.1	8
34	A 2D novel non-local lattice bond model for initiation and propagation of cracks in rock materials. Engineering Analysis With Boundary Elements, 2021, 126, 181-199.	2.0	8
35	Experimental study on the whole failure process of anti-dip rock slopes subjected to external loading. Bulletin of Engineering Geology and the Environment, 2021, 80, 6597-6613.	1.6	5
36	Smoothed peridynamics for the extremely large deformation and cracking problems: Unification of peridynamics and smoothed particle hydrodynamics. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2444-2461.	1.7	21

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37	DRPCTS: A digital computation theory framework system for rock property parameters using microâ€CT images. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1934-1948.	1.7	2
38	Experimental investigation of rigid confinement effects of radial strain on dynamic mechanical properties and failure modes of concrete. International Journal of Mining Science and Technology, 2021, 31, 939-951.	4.6	17
39	A continuum-kinematics-inspired peridynamic model of anisotropic continua: Elasticity, damage, and fracture. International Journal of Mechanical Sciences, 2021, 199, 106413.	3.6	29
40	The Nonlinear Creep Behaviors of Sandstone Under the Different Confining Pressures Based on NMR Technology. Rock Mechanics and Rock Engineering, 2021, 54, 4889-4904.	2.6	22
41	Fracture analysis of rock reconstruction models based on coolingâ€“solidification annealing algorithms. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2503-2523.	1.7	8
42	Damage progression and acoustic emission in brittle failure of granite and sandstone. International Journal of Rock Mechanics and Minings Sciences, 2021, 143, 104789.	2.6	70
43	Nonlinear Creep Model for Rocks Considering Damage Evolution Based on the Modified Nishihara Model. International Journal of Geomechanics, 2021, 21, .	1.3	23
44	Laboratory earthquake prediction of granite. Tribology International, 2021, 160, 107003.	3.0	10
45	A field-enriched finite element method for brittle fracture in rocks subjected to mixed mode loading. Engineering Analysis With Boundary Elements, 2021, 129, 105-124.	2.0	30
46	A field-enriched finite element method for crack propagation in fiber-reinforced composite lamina without remeshing. Composite Structures, 2021, 270, 114074.	3.1	23
47	Fracture analysis of functionally graded materials by the field-enriched finite element method. Engineering Fracture Mechanics, 2021, 253, 107875.	2.0	10
48	Microscopic Characterizations of Heterogeneous Pores, ITZs, Multipleâ€Solids, and Their Impacts on Damage Property of Sandstone by Lowâ€High Resolution 3D Reconstruction. Geophysical Research Letters, 2021, 48, e2021GL095001.	1.5	11
49	A two-dimensional ordinary state-based peridynamic model for plastic deformation based on Drucker-Prager criteria with non-associated flow rule. International Journal of Rock Mechanics and Minings Sciences, 2021, 146, 104857.	2.6	13
50	Field-Enriched Finite-Element Method for Simulating Crack Propagation and Coalescence in Geomaterials. Journal of Engineering Mechanics - ASCE, 2021, 147, .	1.6	8
51	Forecast of time-of-instability in rocks under complex stress conditions using spatial precursory AE response rate. International Journal of Rock Mechanics and Minings Sciences, 2021, 147, 104908.	2.6	16
52	An energy-based criterion of crack branching and its application on the multidimensional space method. International Journal of Solids and Structures, 2020, 182-183, 179-192.	1.3	13
53	Dynamic splitting tensile properties of concrete and cement mortar. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 757-770.	1.7	27
54	Fracture damage prediction in fissured red sandstone under uniaxial compression: acoustic emission bâ€value analysis. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 175-190.	1.7	62

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55	Digital evaluation of nanoscale-pore shale fractal dimension with microstructural insights into shale permeability. Journal of Natural Gas Science and Engineering, 2020, 75, 103137.	2.1	16
56	Phase field model for simulating the fracture behaviors of some disc-type specimens. Engineering Fracture Mechanics, 2020, 226, 106870.	2.0	34
57	Simple and effective approach to modeling crack propagation in the framework of extended finite element method. Theoretical and Applied Fracture Mechanics, 2020, 106, 102452.	2.1	26
58	Real-time experiment investigations on the coupled thermomechanical and cracking behaviors in granite containing three pre-existing fissures. Engineering Fracture Mechanics, 2020, 224, 106797.	2.0	50
59	A coupled thermomechanical nonordinary stateâ€based peridynamics for thermally induced cracking of rocks. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 371-386.	1.7	15
60	Digital voxel-based fracture extraction: Insights to characterization of single fracture flow and anisotropy permeability. Journal of Natural Gas Science and Engineering, 2020, 84, 103635.	2.1	4
61	Three-Dimensional Stability Analysis of Bank Slopes with Reservoir Drawdown Based on Rigorous Limit Equilibrium Method. International Journal of Geomechanics, 2020, 20, .	1.3	13
62	Fracture and Time-Varying Multifractal Behaviors of Single-Flawed Red Sandstone with Different Wavilness Angles. Journal of Materials in Civil Engineering, 2020, 32, 04020272.	1.3	10
63	Forecasting Catastrophic Rupture in Brittle Rocks Using Precursory AE Time Series. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019276.	1.4	61
64	Understanding the fracture mechanism of ring Brazilian disc specimens by the phase field method. International Journal of Fracture, 2020, 226, 17-43.	1.1	31
65	An experimental study of the mechanism of coal and gas outbursts in the tectonic regions. Engineering Geology, 2020, 279, 105883.	2.9	30
66	AE event rate characteristics of flawed granite: from damage stress to ultimate failure. Geophysical Journal International, 2020, 222, 795-814.	1.0	116
67	Establishment of numerical cracking constitutive models using 3D reconstruction and X-ray CT images of geomaterials. International Journal of Mechanical Sciences, 2020, 183, 105814.	3.6	25
68	3D Digital Analysis of Cracking Behaviors of Rocks through 3D Reconstruction Model under Triaxial Compression. Journal of Engineering Mechanics - ASCE, 2020, 146, 04020084.	1.6	13
69	A novel liquid metal sensor with three microchannels embedded in elastomer. Smart Materials and Structures, 2020, 29, 045011.	1.8	5
70	Digital spatial cracking behaviors of fineâ€grained sandstone with precracks under uniaxial compression. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 1770-1787.	1.7	13
71	Probabilistic Assessment for Slope Using the Generalized Chebyshev Inequalities. International Journal of Geomechanics, 2020, 20, .	1.3	8
72	Evaluation of fracture mode classification in flawed red sandstone under uniaxial compression. Theoretical and Applied Fracture Mechanics, 2020, 107, 102528.	2.1	60

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73	Pore-scale effect on the hydrate variation and flow behaviors in microstructures using X-ray CT imaging. Journal of Hydrology, 2020, 584, 124678.	2.3	30
74	Fracture Analysis in Brittle Sandstone by Digital Imaging and AE Techniques: Role of Flaw Length Ratio. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	38
75	XFEM based node scheme for the frictional contact crack problem. Computers and Structures, 2020, 231, 106221.	2.4	23
76	Fracture characterization and permeability prediction by pore scale variables extracted from X-ray CT images of porous geomaterials. Science China Technological Sciences, 2020, 63, 755-767.	2.0	22
77	Continuous smoothed particle hydrodynamics for cracked nonconvex bodies by diffraction criterion. Theoretical and Applied Fracture Mechanics, 2020, 108, 102584.	2.1	13
78	Cracking behaviors and hydraulic properties evaluation based on fractural microstructure models in geomaterials. International Journal of Rock Mechanics and Minings Sciences, 2020, 130, 104304.	2.6	16
79	Temporal dominant frequency evolution characteristics during the fracture process of flawed red sandstone. Theoretical and Applied Fracture Mechanics, 2020, 110, 102838.	2.1	22
80	Numerical simulations of failure characteristics of rock materials under blasting loads using the conjugated bond-pair-based peridynamics. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 024607.	0.2	4
81	Digital measurement of 2D and 3D cracks in sandstones through improved pseudo color image enhancement and 3D reconstruction method. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 2565-2584.	1.7	23
82	Comprehensive study on the crack tip parameters of two types of disc specimens under combined confining pressure and diametric concentrated forces. Theoretical and Applied Fracture Mechanics, 2019, 103, 102317.	2.1	21
83	Size effect of thermal shock crack patterns in ceramics: Insights from a nonlocal numerical approach. Mechanics of Materials, 2019, 137, 103133.	1.7	35
84	A modified axisymmetric ordinary state-based peridynamics with shear deformation for elastic and fracture problems in brittle solids. European Journal of Mechanics, A/Solids, 2019, 77, 103810.	2.1	22
85	Numerical simulation of supershear ruptures in rock mass based on general particle dynamics. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 905-918.	1.7	7
86	Extended finite element simulation of step-path brittle failure in rock slopes with non-persistent en-echelon joints. Engineering Geology, 2019, 250, 65-88.	2.9	60
87	Digital energy gradeâ€based approach for crack path prediction based on 2D Xâ€ray CT images of geomaterials. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1292-1307.	1.7	12
88	Experimental investigation of progressive cracking processes in granite under uniaxial loading using digital imaging and AE techniques. Journal of Structural Geology, 2019, 126, 129-145.	1.0	170
89	Analysis of fracture properties of three-dimensional reconstructed rock model using hierarchical-fractal annealing algorithm. Engineering Geology, 2019, 256, 39-56.	2.9	17
90	Progressive failure of brittle rocks with nonâ€isometric flaws: Insights from acoustoâ€opticâ€mechanical (AOM) data. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1787-1802.	1.7	102

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91	Peridynamic simulation of thermal failure behaviors in rocks subjected to heating from boreholes. International Journal of Rock Mechanics and Minings Sciences, 2019, 117, 31-48.	2.6	64
92	An experimental study of the mechanical and fracturing behavior in PMMA specimen containing multiple 3D embedded flaws under uniaxial compression. Theoretical and Applied Fracture Mechanics, 2019, 101, 207-216.	2.1	35
93	3D numerical simulation of initiation, propagation and coalescence of cracks using the extended non-ordinary state-based peridynamics. Theoretical and Applied Fracture Mechanics, 2019, 101, 254-268.	2.1	39
94	The enhanced extended finite element method for the propagation of complex branched cracks. Engineering Analysis With Boundary Elements, 2019, 104, 46-62.	2.0	42
95	Simulation of cracking behaviours in interlayered rocks with flaws subjected to tension using a phaseâ€field method. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1679-1698.	1.7	15
96	Three-dimensional numerical study on the failure characteristics of intermittent fissures under compressive-shear loads. Acta Geotechnica, 2019, 14, 1161-1193.	2.9	127
97	Experimental study on effects of freezeâ€thaw fatigue damage on the cracking behaviors of sandstone containing two unparallel fissures. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1322-1340.	1.7	52
98	The improvement of crack propagation modelling in triangular 2D structures using the extended finite element method. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 397-414.	1.7	15
99	Liquid metal antenna-based pressure sensor. Smart Materials and Structures, 2019, 28, 025019.	1.8	13
100	Visco-plastic deformation analysis of rock tunnels based on fractional derivatives. Tunnelling and Underground Space Technology, 2019, 85, 209-219.	3.0	62
101	Failure behavior and crack evolution mechanism of a non-persistent jointed rock mass containing a circular hole. International Journal of Rock Mechanics and Minings Sciences, 2019, 114, 101-121.	2.6	137
102	Numerical Simulation of the Dynamic Frictional Contact Problem for Crack Slip Based on the Multidimensional Space Method. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	11
103	Three-dimensional stability analysis of seismically induced landslides using the displacement-based rigorous limit equilibrium method. Bulletin of Engineering Geology and the Environment, 2019, 78, 4743-4756.	1.6	9
104	An integrated method for 3D reconstruction model of porous geomaterials through 2D CT images. Computers and Geosciences, 2019, 123, 83-94.	2.0	37
105	An improved coupled thermo-mechanic bond-based peridynamic model for cracking behaviors in brittle solids subjected to thermal shocks. European Journal of Mechanics, A/Solids, 2019, 73, 282-305.	2.1	102
106	Fracturing Behavior Study of Three-Flawed Specimens by Uniaxial Compression and 3D Digital Image Correlation: Sensitivity to Brittleness. Rock Mechanics and Rock Engineering, 2019, 52, 691-718.	2.6	103
107	A stability analysis of a layered-soil slope based on random field. Bulletin of Engineering Geology and the Environment, 2019, 78, 2611-2625.	1.6	14
108	Cracking Behaviors of Rock-Like Specimens Containing Two Sets of Preexisting Cross Flaws under Uniaxial Compression. Journal of Testing and Evaluation, 2019, 47, 838-867.	0.4	10

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109	A coupled thermo-mechanical bond-based peridynamics for simulating thermal cracking in rocks. International Journal of Fracture, 2018, 211, 13-42.	1.1	84
110	Peridynamic investigation on thermal fracturing behavior of ceramic nuclear fuel pellets under power cycles. Ceramics International, 2018, 44, 11512-11542.	2.3	65
111	3D Numerical Reconstruction of Porous Sandstone Using Improved Simulated Annealing Algorithms. Rock Mechanics and Rock Engineering, 2018, 51, 2135-2151.	2.6	21
112	Experimental Study on the Growth, Coalescence and Wrapping Behaviors of 3D Cross-Embedded Flaws Under Uniaxial Compression. Rock Mechanics and Rock Engineering, 2018, 51, 1379-1400.	2.6	167
113	Two-Dimensional Numerical Simulation of Rock Fragmentation by TBM Cutting Tools in Mixed-Face Ground. International Journal of Geomechanics, 2018, 18, .	1.3	21
114	Three-layer-stacked pressure sensor with a liquid metal-embedded elastomer. Journal of Micromechanics and Microengineering, 2018, 28, 085020.	1.5	7
115	Quasi-static fracturing in double-flawed specimens under uniaxial loading: the role of strain rate. International Journal of Fracture, 2018, 211, 75-102.	1.1	44
116	A three-dimensional long-term strength criterion of rocks based on micromechanical method. Theoretical and Applied Fracture Mechanics, 2018, 97, 409-418.	2.1	12
117	A 3-D conjugated bond-pair-based peridynamic formulation for initiation and propagation of cracks in brittle solids. International Journal of Solids and Structures, 2018, 134, 89-115.	1.3	250
118	A novel conjugated bond linear elastic model in bond-based peridynamics for fracture problems under dynamic loads. Engineering Fracture Mechanics, 2018, 188, 151-183.	2.0	78
119	Numerical studies on thermal shock crack branching instability in brittle solids. Engineering Fracture Mechanics, 2018, 204, 157-184.	2.0	35
120	Reliability Assessment of Tunnel Based on P -Wave Seismic Velocity. International Journal of Geomechanics, 2018, 18, .	1.3	22
121	A hierarchical-fractal approach for the rock reconstruction and numerical analysis. International Journal of Rock Mechanics and Minings Sciences, 2018, 109, 68-83.	2.6	20
122	New Technique for Frictional Contact on Crack Slip in the Extended Finite-Element Method Framework. Journal of Engineering Mechanics - ASCE, 2018, 144, .	1.6	12
123	Internal Morphology of Cracking of Two 3-D Pre-Existing Cross-Embedded Flaws under Uniaxial Compression. Geotechnical Testing Journal, 2018, 41, 329-339.	0.5	26
124	The modeling of crack propagation and coalescence in rocks under uniaxial compression using the novel conjugated bond-based peridynamics. International Journal of Mechanical Sciences, 2017, 128-129, 614-643.	3.6	181
125	Reliability analysis of a large-scale landslide using SOED-based RSM. Environmental Earth Sciences, 2017, 76, 1.	1.3	8
126	Time-dependent jamming mechanism for Single-Shield TBM tunneling in squeezing rock. Tunnelling and Underground Space Technology, 2017, 69, 209-222.	3.0	42

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127	Numerical Simulation of Failure Process of Rock-Like Materials Subjected to Impact Loads. International Journal of Geomechanics, 2017, 17, .	1.3	38
128	The Effects of Crack Openings on Crack Initiation, Propagation and Coalescence Behavior in Rock-Like Materials Under Uniaxial Compression. Rock Mechanics and Rock Engineering, 2016, 49, 3481-3494.	2.6	128
129	Numerical simulation of propagation and coalescence of flaws in rock materials under compressive loads using the extended non-ordinary state-based peridynamics. Engineering Fracture Mechanics, 2016, 163, 248-273.	2.0	234
130	Numerical simulation of crack curving and branching in brittle materials under dynamic loads using the extended non-ordinary state-based peridynamics. European Journal of Mechanics, A/Solids, 2016, 60, 277-299.	2.1	96
131	Numerical simulation of crack propagation and coalescence in pre-cracked rock-like Brazilian disks using the non-ordinary state-based peridynamics. International Journal of Rock Mechanics and Minings Sciences, 2016, 89, 235-249.	2.6	141
132	Numerical simulation of initiation, propagation and coalescence of cracks using the non-ordinary state-based peridynamics. International Journal of Fracture, 2016, 201, 213-234.	1.1	65
133	3D Numerical Study on the Growth and Coalescence of Pre-existing Flaws in Rocklike Materials Subjected to Uniaxial Compression. International Journal of Geomechanics, 2016, 16, .	1.3	41
134	Seismic bearing capacity of shallow foundations resting on rock masses subjected to seismic loads. KSCE Journal of Civil Engineering, 2016, 20, 216-228.	0.9	29
135	A multi-dimensional space method for dynamic cracks problems using implicit time scheme in the framework of the extended finite element method. International Journal of Damage Mechanics, 2015, 24, 859-890.	2.4	26
136	Progressive failure processes of reinforced slopes based on general particle dynamic method. Journal of Central South University, 2015, 22, 4049-4055.	1.2	17
137	Stability analysis of two-dimensional landslides subjected to seismic loads. Acta Mechanica Solida Sinica, 2015, 28, 262-276.	1.0	11
138	Numerical simulations of propagation, bifurcation and coalescence of cracks in rocks. International Journal of Rock Mechanics and Minings Sciences, 2015, 80, 241-254.	2.6	66
139	Excavation-induced zonal disintegration of the surrounding rock around a deep circular tunnel considering unloading effect. International Journal of Rock Mechanics and Minings Sciences, 2013, 64, 246-257.	2.6	31
140	The zonal disintegration mechanism of surrounding rock around deep spherical tunnels under hydrostatic pressure condition: a non-euclidean continuum damage model. Acta Mechanica Solida Sinica, 2013, 26, 373-387.	1.0	11
141	Different crack sizes analyzed for surrounding rock mass around underground caverns in Jinping I hydropower station. Theoretical and Applied Fracture Mechanics, 2012, 57, 19-30.	2.1	26
142	Rock burst of deep circular tunnels surrounded by weakened rock mass with cracks. Theoretical and Applied Fracture Mechanics, 2011, 56, 79-88.	2.1	29
143	Non-euclidean continuum model of the zonal disintegration of surrounding rocks around a deep circular tunnel in a non-hydrostatic pressure state. Journal of Mining Science, 2011, 47, 37-46.	0.1	32
144	Effect of loading rate on fracture characteristics of rock. Central South University, 2010, 17, 150-155.	0.5	33

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145	The effect of the intermediate principal stress on the ultimate bearing capacity of a foundation on rock masses. Computers and Geotechnics, 2009, 36, 861-870.	2.3	17
146	Zonal disintegration mechanism of deep crack-weakened rock masses under dynamic unloading. Acta Mechanica Solida Sinica, 2009, 22, 240-250.	1.0	27
147	Elastoplastic solution for an eccentric crack loaded by two pairs of point tensile forces. Theoretical and Applied Fracture Mechanics, 2009, 51, 62-72.	2.1	4
148	The Constitutive Relation of Crack-Weakened Rock Masses under Axial-Dimensional Unloading. Acta Mechanica Solida Sinica, 2008, 21, 221-231.	1.0	7
149	Elastic-plastic analytical solution for centric crack loaded by two pairs of point shear forces in finite plate. Transactions of Nonferrous Metals Society of China, 2006, 16, 1009-1014.	1.7	7
150	Study on the coalescence mechanism of splitting failure of crack-weakened rock subjected to compressive loads. Mechanics Research Communications, 2005, 32, 161-171.	1.0	22
151	Elastoplastic analysis for infinite plate with centric crack loaded by two pairs of point shear forces. Central South University, 2005, 12, 189-193.	0.5	4
152	Analysis of deformation localization and the complete stressâ€“strain relation for brittle rock subjected to dynamic compressive loads. International Journal of Rock Mechanics and Minings Sciences, 2004, 41, 311-319.	2.6	53
153	Near crack line elasticâ€“plastic analysis for a infinite plate loaded by two pairs of point tensile forces. Mechanics Research Communications, 2004, 31, 415-420.	1.0	20
154	Analysis of the localization of deformation and the complete stressâ€“strain relation for mesoscopic heterogeneous brittle rock under dynamic uniaxial tensile loading. International Journal of Solids and Structures, 2004, 41, 1725-1738.	1.3	56
155	Bounds on the complete stressâ€“strain relation for a crack-weakened rock mass under compressive loads. International Journal of Solids and Structures, 2004, 41, 6173-6196.	1.3	14
156	A three-dimensional non-local lattice bond model for fracturing behavior prediction in brittle solids. International Journal of Fracture, 0, , 1.	1.1	3
157	The micromechanicsâ€based rateâ€dependent constitutive model of flawed rocks at intermediate strain rate. Fatigue and Fracture of Engineering Materials and Structures, 0, , .	1.7	2