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List of Publications by Year in descending order

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186
papers

3,984
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126708

33
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149479

56
g-index

214
all docs

214
docs citations

214
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of shape and locations of initial 3-D cracks on their growth in uniaxial compression. <i>Engineering Fracture Mechanics</i> , 2003, 70, 2115-2136.	2.0	228
2	Mechanisms of brittle fracture of rock with pre-existing cracks in compression. <i>Pure and Applied Geophysics</i> , 1994, 143, 117-149.	0.8	191
3	A study of the mechanism of flexural toppling failure of rock slopes. <i>Rock Mechanics and Rock Engineering</i> , 1997, 30, 75-93.	2.6	186
4	Crack growth under biaxial compression. <i>Engineering Fracture Mechanics</i> , 2002, 69, 2187-2198.	2.0	145
5	Fracture mechanisms and instability of openings in compression. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2000, 37, 263-284.	2.6	144
6	Modelling of Progressive and Instantaneous Failures of Foliated Rock Slopes. <i>Rock Mechanics and Rock Engineering</i> , 2007, 40, 349-362.	2.6	129
7	Topological interlocking as a material design concept. <i>Materials Science and Engineering C</i> , 2011, 31, 1189-1194.	3.8	102
8	Experiments on 3-D crack growth in uniaxial compression. <i>International Journal of Fracture</i> , 1994, 65, R77-R83.	1.1	90
9	Toughening by Fragmentation – How Topology Helps. <i>Advanced Engineering Materials</i> , 2001, 3, 885.	1.6	87
10	A Cosserat continuum model for layered materials. <i>Computers and Geotechnics</i> , 1997, 20, 15-45.	2.3	83
11	Fracture Resistant Structures Based on Topological Interlocking with Non-planar Contacts. <i>Advanced Engineering Materials</i> , 2003, 5, 116-119.	1.6	80
12	Topological interlocking of platonic solids: A way to new materials and structures. <i>Philosophical Magazine Letters</i> , 2003, 83, 197-203.	0.5	80
13	A new concept in design of materials and structures: assemblies of interlocked tetrahedron-shaped elements. <i>Scripta Materialia</i> , 2001, 44, 2689-2694.	2.6	79
14	A 3-D model of wing crack growth and interaction. <i>Engineering Fracture Mechanics</i> , 1999, 63, 81-110.	2.0	77
15	Materials and structures with macroscopic negative Poisson's ratio. <i>International Journal of Engineering Science</i> , 2012, 52, 103-114.	2.7	71
16	Negative stiffness of a layer with topologically interlocked elements. <i>Scripta Materialia</i> , 2004, 50, 291-294.	2.6	65
17	Title is missing!. <i>International Journal of Fracture</i> , 1997, 83, 191-206.	1.1	63
18	Point loading of assemblies of interlocked cube-shaped elements. <i>International Journal of Engineering Science</i> , 2008, 46, 1228-1238.	2.7	56

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19	Numerical modelling of the flexural deformation of foliated rock slopes. International Journal of Rock Mechanics and Mining Sciences, 1996, 33, 595-606.	0.3	55
20	A new principle in design of composite materials: reinforcement by interlocked elements. Composites Science and Technology, 2003, 63, 483-491.	3.8	51
21	The principle of topological interlocking in extraterrestrial construction. Acta Astronautica, 2005, 57, 10-21.	1.7	47
22	A continuum model of layered rock masses with non-associative joint plasticity. , 1998, 22, 245-261.		45
23	Asymptotic analysis of crack interaction with free boundary. International Journal of Solids and Structures, 2000, 37, 857-886.	1.3	44
24	Physical Modelling of Stress-dependent Permeability in Fractured Rocks. Rock Mechanics and Rock Engineering, 2013, 46, 67-81.	2.6	41
25	Effect of the intermediate principal stress on 3-D crack growth. Engineering Fracture Mechanics, 2018, 204, 404-420.	2.0	41
26	Planar isotropic structures with negative Poisson's ratio. International Journal of Solids and Structures, 2012, 49, 2239-2253.	1.3	40
27	Percolation mechanism of failure of a planar assembly of interlocked osteomorphic elements. Engineering Fracture Mechanics, 2007, 74, 1222-1232.	2.0	39
28	Negative Poisson's ratio in hollow sphere materials. International Journal of Solids and Structures, 2015, 54, 192-214.	1.3	39
29	On the role of stress fluctuations in brittle fracture. International Journal of Fracture, 1999, 100, 29-53.	1.1	37
30	Elastic composite with negative stiffness inclusions in antiplane strain. International Journal of Engineering Science, 2012, 58, 45-56.	2.7	37
31	Sustained acoustic emissions following tensile crack propagation in a crystalline rock. International Journal of Fracture, 2015, 193, 87-98.	1.1	37
32	Strength and Damage Response of Sandstone and Granodiorite under Different Loading Conditions of Multistage Uniaxial Cyclic Compression. International Journal of Geomechanics, 2020, 20, .	1.3	37
33	Hybrid materials with negative Poisson's ratio inclusions. International Journal of Engineering Science, 2015, 89, 100-120.	2.7	36
34	Experimental and Numerical Study into 3D Crack Growth from a Spherical Pore in Biaxial Compression. Rock Mechanics and Rock Engineering, 2020, 53, 77-102.	2.6	36
35	Fatigue damage response of typical crystalline and granular rocks to uniaxial cyclic compression. International Journal of Fatigue, 2020, 138, 105667.	2.8	36
36	Mortarless structures based on topological interlocking. Frontiers of Structural and Civil Engineering, 2012, 6, 188.	1.2	35

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37	Influence of drilling mud rheology on the reduction of vertical vibrations in deep rotary drilling. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 375-383.	2.1	34
38	Comparative analysis of mechanisms of 3-D brittle crack growth in compression. <i>Engineering Fracture Mechanics</i> , 2019, 220, 106656.	2.0	34
39	Periodic motions and resonances of impact oscillators. <i>Journal of Sound and Vibration</i> , 2012, 331, 2856-2873.	2.1	33
40	Chains of oscillators with negative stiffness elements. <i>Journal of Sound and Vibration</i> , 2014, 333, 6676-6687.	2.1	30
41	Digital Image Correlation with Dynamic Subset Selection. <i>Optics and Lasers in Engineering</i> , 2016, 84, 1-9.	2.0	30
42	Effective characteristics and stress concentrations in materials with self-similar microstructure. <i>International Journal of Solids and Structures</i> , 2005, 42, 477-502.	1.3	29
43	Mechanical effect of rotating non-spherical particles on failure in compression. <i>Philosophical Magazine</i> , 2012, 92, 3451-3473.	0.7	27
44	Thermal stresses in hybrid materials with auxetic inclusions. <i>Composite Structures</i> , 2016, 138, 313-321.	3.1	27
45	A model of crack growth in microcracked rock. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 1993, 30, 813-820.	0.3	26
46	Topological interlocking of protective tiles for the space shuttle. <i>Philosophical Magazine Letters</i> , 2003, 83, 351-355.	0.5	26
47	Review of unloading tests of dynamic rock failure in compression. <i>Engineering Fracture Mechanics</i> , 2020, 225, 106289.	2.0	24
48	3D Crack Growth in Biaxial Compression: Influence of Shape and Inclination of Initial Cracks. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 3161-3183.	2.6	24
49	Discontinuous Digital Image Correlation to reconstruct displacement and strain fields with discontinuities: Dislocation approach. <i>Engineering Fracture Mechanics</i> , 2018, 189, 273-292.	2.0	23
50	On the Possibility of Elastic Strain Localisation in a Fault. <i>Pure and Applied Geophysics</i> , 2004, 161, 2309.	0.8	22
51	Orthogonal crack approaching an interface. <i>Engineering Fracture Mechanics</i> , 2009, 76, 2476-2485.	2.0	22
52	Modelling the large deformations in stratified media—the Cosserat continuum approach. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 4, 195-213.	1.2	20
53	A numerical study of flexural buckling of foliated rock slopes. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2001, 25, 871-884.	1.7	20
54	The rock stress memory unrecoverable by the Kaiser effect method. <i>International Journal of Rock Mechanics and Mining Sciences</i> , 2015, 75, 190-195.	2.6	20

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55	Extracting real-crack properties from non-linear elastic behaviour of rocks: abundance of cracks with dominating normal compliance and rocks with negative Poisson ratios. <i>Nonlinear Processes in Geophysics</i> , 2017, 24, 543-551.	0.6	20
56	Internally architected materials with directionally asymmetric friction. <i>Scientific Reports</i> , 2015, 5, 10732.	1.6	19
57	The increase in Young's modulus of rocks under uniaxial compression. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 70, 425-434.	2.6	18
58	Asymptotic analysis of bilinear oscillators with preload. <i>International Journal of Engineering Science</i> , 2016, 106, 125-141.	2.7	18
59	Cracks of higher modes in Cosserat continua. <i>International Journal of Fracture</i> , 2006, 140, 189-199.	1.1	17
60	Computational monitoring in real time: review of methods and applications. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2018, 4, 235-271.	1.3	16
61	Bridges outside fracture process zone: Their existence and effect. <i>Engineering Fracture Mechanics</i> , 2020, 225, 106453.	2.0	16
62	On a possibility of reconstruction of Cosserat moduli in particulate materials using long waves. <i>Acta Mechanica</i> , 2014, 225, 2409-2422.	1.1	15
63	Structure of resonances and formation of stationary points in symmetrical chains of bilinear oscillators. <i>Journal of Sound and Vibration</i> , 2014, 333, 6590-6606.	2.1	15
64	Asymptotic analysis of fracture propagation in materials with rotating particles. <i>Engineering Fracture Mechanics</i> , 2015, 150, 1-18.	2.0	15
65	Extracting shear and normal compliances of crack-like defects from pressure dependences of elastic-wave velocities. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 97, 122-133.	2.6	15
66	Asymptotic solution for long cracks emanated from a pore in compression. <i>International Journal of Fracture</i> , 1993, 62, 307-324.	1.1	15
67	Self-similar crack patterns induced by spatial stress fluctuations. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2002, 25, 187-200.	1.7	14
68	Continuum Fractal Mechanics of the Earth's Crust. <i>Pure and Applied Geophysics</i> , 2004, 161, 1979.	0.8	14
69	Slope Failure in a Foliated Rock Mass with Non-Uniform Joint Spacing: a Comparison Between Numerical and Centrifuge Model Results. <i>Rock Mechanics and Rock Engineering</i> , 2015, 48, 403-407.	2.6	14
70	Topological Interlocking Materials. <i>Springer Series in Materials Science</i> , 2019, , 23-49.	0.4	14
71	Interlocking properties of buckyballs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 319, 373-378.	0.9	13
72	Rotations and pattern formation in granular materials under loading. <i>Philosophical Magazine</i> , 2015, 95, 3122-3145.	0.7	13

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73	Deep geothermal: The "Moon Landing"™ mission in the unconventional energy and minerals space. Journal of Earth Science (Wuhan, China), 2015, 26, 2-10.	1.1	13
74	Effective properties of layered auxetic hybrids. Composite Structures, 2019, 209, 391-400.	3.1	13
75	Virial expansions in problems of effective characteristics. 2. Antiplanar deformation of a fiber composite. analysis of self-consistent methods. Mechanics of Composite Materials, 1994, 30, 234-243.	0.9	12
76	The mechanism of the deformation memory effect and the deformation rate analysis in layered rock in the low stress region. Computers and Geotechnics, 2012, 44, 83-92.	2.3	12
77	The use of soft computing methods for the prediction of rock properties based on measurement while drilling data. , 2017, , .		12
78	Size effect in tensile strength caused by stress fluctuations. International Journal of Fracture, 2001, 108, 43-61.	1.1	11
79	Deformations in Transform Faults with Rotating Crustal Blocks. Pure and Applied Geophysics, 2006, 163, 2011-2030.	0.8	11
80	Deformation analysis of reinforced "core auxetic assemblies by close "range photogrammetry. Physica Status Solidi (B): Basic Research, 2016, 253, 1342-1358.	0.7	11
81	A comparative study of techniques of distant reconstruction of displacement and strain fields using the DISTRESS simulator. Optik, 2016, 127, 11288-11305.	1.4	11
82	Wave propagation in materials with negative Cosserat shear modulus. International Journal of Engineering Science, 2016, 100, 152-161.	2.7	11
83	Modelling the deformation of underground excavations in layered rock masses. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 5.e1-5.e12.	2.6	10
84	Finite deformation model of simple shear of fault with microrotations: apparent strain localisation and en-echelon fracture pattern. Philosophical Magazine, 2006, 86, 3339-3371.	0.7	10
85	Ghost Kaiser effect at low stress. International Journal of Rock Mechanics and Minings Sciences, 2014, 68, 15-21.	2.6	10
86	Extending Digital Image Correlation to Reconstruct Displacement and Strain Fields around Discontinuities in Geomechanical Structures under Deformation. , 2015, , .		10
87	Stability of chains of oscillators with negative stiffness normal, shear and rotational springs. International Journal of Engineering Science, 2016, 108, 16-33.	2.7	10
88	Architected Materials with Inclusions Having Negative Poisson's Ratio or Negative Stiffness. Springer Series in Materials Science, 2019, , 51-87.	0.4	10
89	Oscillations in sliding with dry friction. Friction reduction by imposing synchronised normal load oscillations. International Journal of Engineering Science, 2020, 154, 103313.	2.7	10
90	Sources of variability in laboratory rock test results. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 985-1001.	3.7	10

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91	Virial expansions in problems of effective characteristics. 1. General concepts. Mechanics of Composite Materials, 1994, 30, 157-167.	0.9	9
92	Random trajectories of crack growth caused by spatial stress fluctuations. International Journal of Fracture, 2004, 128, 95-103.	1.1	9
93	Self-similar pattern formation and continuous mechanics of self-similar systems. Hydrology and Earth System Sciences, 2007, 11, 665-676.	1.9	9
94	In situ fragmentation and rock particle sorting on arid hills. Journal of Geophysical Research F: Earth Surface, 2013, 118, 17-28.	1.0	9
95	Behavior of Extreme Auxetic and Incompressible Elastic Materials. Physica Status Solidi (B): Basic Research, 2017, 254, 1600851.	0.7	9
96	Negative Stiffness Produced by Rotation of Non-spherical Particles and Its Effect on Frictional Sliding. Physica Status Solidi (B): Basic Research, 2019, 256, 1800003.	0.7	9
97	Microstructure-induced giant elastic nonlinearity of threshold origin: Mechanism and experimental demonstration. Europhysics Letters, 2009, 86, 44005.	0.7	8
98	Shifted impact oscillator: Tuned multiple resonances and step load. International Journal of Engineering Science, 2020, 147, 103203.	2.7	8
99	Fracture mechanics approach to the problem of subsidence induced by resource extraction. Engineering Fracture Mechanics, 2020, 236, 107173.	2.0	8
100	A possible mechanism of failure in dynamic uniaxial compression and the size effect. Engineering Fracture Mechanics, 2021, 257, 108005.	2.0	8
101	Friction and Localization Associated with Non-spherical Particles. Springer Series in Geomechanics and Geoengineering, 2011, , 53-58.	0.0	8
102	Formation and Modelling of Self-Similar Crack Distributions. International Journal of Fracture, 2001, 112, 41-46.	1.1	7
103	Topological Interlocking in Design of Structures and Materials. Materials Research Society Symposia Proceedings, 2009, 1188, 112.	0.1	7
104	Bifurcation in rolling of non-spherical grains and fluctuations in macroscopic friction. Acta Mechanica, 2014, 225, 2217-2226.	1.1	7
105	Stability of 2D discrete mass-spring systems with negative stiffness springs. Physica Status Solidi (B): Basic Research, 2016, 253, 1395-1409.	0.7	7
106	The Phenomenon of Anomalous Rock Embrittlement. , 2005, , .		7
107	Fracture mechanics of spallation. Engineering Fracture Mechanics, 2022, 260, 108186.	2.0	7
108	Possible mechanism of spallation in rock samples under uniaxial compression. Engineering Fracture Mechanics, 2022, 269, 108577.	2.0	7

#	ARTICLE	IF	CITATIONS
109	Materials with Novel Architectonics: Assemblies of Interlocked Elements. Solid Mechanics and Its Applications, 2002, , 51-55.	0.1	6
110	Digital image correlation for small strain measurement in deformable solids and geomechanical structures. , 2015, , .		6
111	Analysis of wave propagation in a discrete chain of bilinear oscillators. Nonlinear Processes in Geophysics, 2017, 24, 455-460.	0.6	6
112	Rotational waves in layered solids with many sliding layers. International Journal of Engineering Science, 2018, 125, 40-50.	2.7	6
113	Measuring of Cosserat Effects and Reconstruction of Moduli Using Dispersive Waves. Advances in Mechanics and Mathematics, 2010, , 71-78.	0.2	6
114	Mixed Class I/Class II post-peak curves of mortar models of rock samples. Theoretical and Applied Fracture Mechanics, 2022, 117, 103178.	2.1	6
115	On the possibility of bifurcation in linear periodic arrays of 2-D cracks. International Journal of Fracture, 1994, 67, R31-R36.	1.1	5
116	Solutions for dilating shear cracks in elastic plane. International Journal of Fracture, 2001, 109, 325-344.	1.1	5
117	Mechanisms of thermal fracturing and spallation in cementitious materials. Australian Journal of Mechanical Engineering, 2003, 1, 1-4.	1.5	5
118	Multifractal properties of self-similar stress distributions. Philosophical Magazine, 2006, 86, 3117-3136.	0.7	5
119	Vertical Vibrations in Rotary Drilling Systems. Australian Journal of Multi-Disciplinary Engineering, 2013, 10, 198-208.	0.5	5
120	Multiscale rotational mechanism of fracture propagation in geomaterials. Philosophical Magazine, 2015, 95, 3167-3191.	0.7	5
121	Generation and propagation of stick-slip waves over a fault with rate-independent friction. Nonlinear Processes in Geophysics, 2017, 24, 343-349.	0.6	5
122	Intermediate scales in granular matter. , 2017, , 157-160.		5
123	Crack interaction and fracturing of geomaterials with multiscale cracks. International Journal of Rock Mechanics and Minings Sciences, 2022, 153, 105084.	2.6	5
124	A model for borehole breakouts in brittle rocks. , 1994, , .		4
125	Towards affordable and robust remote photogrammetric sensing for early warning of fracturing and structural failure. , 2015, , .		4
126	Characteristics of Color Digital Image Correlation for Deformation Measurement in Geomechanical Structures. , 2016, , .		4

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127	Mode I crack in particulate materials with rotational degrees of freedom. Engineering Fracture Mechanics, 2017, 172, 181-195.	2.0	4
128	Residual Strain Mechanism of Aftershocks and Exponents of the Modified Omori's Law. Journal of Geophysical Research: Solid Earth, 2019, 124, 175-194.	1.4	4
129	Discrete self-similarity of multiscale materials and systems. Universality of scaling exponents. International Journal of Engineering Science, 2020, 149, 103244.	2.7	4
130	Effect of crack interaction and friction on the dynamic strength of rock-like materials with many cracks. Engineering Fracture Mechanics, 2021, 257, 108006.	2.0	4
131	Dynamic Instability in Geomaterials Associated with the Presence of Negative Stiffness Elements. Springer Series in Geomechanics and Geoengineering, 2015, , 155-160.	0.0	4
132	Fractures and Defects in Cosserat Continua Modelling Layered Materials. Solid Mechanics and Its Applications, 2002, , 127-131.	0.1	4
133	Fracturing of shales with slots under uniaxial compression parallel to bedding layers. Journal of Petroleum Science and Engineering, 2022, 211, 110163.	2.1	4
134	An investigation into the stress-field singularity at the mouth of a surface-breaking crack. International Journal of Solids and Structures, 1992, 29, 271-277.	1.3	3
135	Experimental Study of Self-Similar Crack Distributions. International Journal of Fracture, 2001, 112, 47-52.	1.1	3
136	Parallel Fault Systems with Evolving Self-similar Sliding Zones. Pure and Applied Geophysics, 2008, 165, 545-565.	0.8	3
137	Mesh scalability in direct finite element simulation of brittle fracture. Engineering Fracture Mechanics, 2008, 75, 4066-4084.	2.0	3
138	Frequency signatures of damage localisation. Philosophical Magazine, 2012, 92, 3665-3679.	0.7	3
139	The influence of sample bending on deformation rate analysis stress reconstruction. International Journal of Rock Mechanics and Minings Sciences, 2013, 64, 90-95.	2.6	3
140	Vertical vibrations in rotary drilling systems. Australian Journal of Multi-Disciplinary Engineering, 2013, 10, .	0.5	3
141	Development of non-smooth fracture surface by cracks propagating in heterogeneous and particulate materials. Engineering Fracture Mechanics, 2020, 225, 106450.	2.0	3
142	The Effect of Constriction in Hydraulic Fracturing. Springer Series in Geomechanics and Geoengineering, 2017, , 613-619.	0.0	3
143	Smart proppant concept for monitoring hydraulic fractures. APPEA Journal, 2011, 51, 527.	0.4	3
144	Rotational Mechanism of In-Plane Shear Crack Growth in Rocks Under Compression. , 2008, , .		3

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145	Mechanics of Fractal Materials. Solid Mechanics and Its Applications, 2002, , 73-82.	0.1	3
146	On modelling of defect interaction. International Journal of Fracture, 1995, 71, R79-R83.	1.1	2
147	Large-Scale Deformation Patterning in Geomaterials Associated with Grain Rotation. Advanced Materials Research, 0, 891-892, 872-877.	0.3	2
148	The Cyclic Loading as a Result of the Stick-Slip Motion. Advanced Materials Research, 0, 891-892, 878-883.	0.3	2
149	Cracks in heterogeneous materials with rotating constituents “ Small and Intermediate scale Cosserat continua. Engineering Fracture Mechanics, 2018, 187, 302-315.	2.0	2
150	Negative Stiffness, Incompressibility, and Strain Localisation in Particulate Materials. Applied Sciences (Switzerland), 2021, 11, 8751.	1.3	2
151	Apparent Strain Localization and Shear Wave Dispersion in Elastic Fault Gouge with Microrotations. Lecture Notes in Computer Science, 2003, , 873-882.	1.0	2
152	The Effect of Rotational Degrees of Freedom on the Formation of Deformation Patterns in Granular Materials Using Digital Image Correlation. Springer Series in Geomechanics and Geoengineering, 2015, , 127-133.	0.0	2
153	Topological Interlocking as a Design Principle for Hybrid Materials. , 2013, , 1525-1534.		2
154	Instability of Geomaterials Caused by Transitional Negative Stiffness. Springer Series in Geomechanics and Geoengineering, 2017, , 599-604.	0.0	2
155	A 2-d model of skin rock burst and its application to rock burst monitoring. , 2020, , 133-141.		2
156	Mining-Induced Seismicity Associated with Self-Similar Propagation of Sliding Zones. , 2005, , .		2
157	An Experimental Analysis of Microcrack Generation during Hydraulic Fracturing of Shale. Coatings, 2022, 12, 483.	1.2	2
158	A model of destruction of brittle rock with a system of oriented cracks under pressure. Soviet Mining Science, 1985, 21, 136-139.	0.0	1
159	Rotational Degrees of Freedom in Modeling Materials with Intrinsic Length Scale. Lecture Notes in Applied and Computational Mechanics, 2011, , 47-67.	2.0	1
160	Stick-Slip Motion and the Associated Frictional Instability Caused by Vertical Oscillations. Springer Series in Geomechanics and Geoengineering, 2015, , 135-141.	0.0	1
161	Digital image correlation to analyze nonlinear elastic behavior of materials. , 2017, , .		1
162	Continuum model of wave propagation in fragmented media: linear damping approximation. Nonlinear Processes in Geophysics, 2017, 24, 461-466.	0.6	1

#	ARTICLE	IF	CITATIONS
163	A coupled time integration algorithm for discontinuous deformation analysis using the numerical manifold method. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 1145-1169.	1.7	1
164	Subsidence, Uplift and Shift Due to Fluid Extraction and Production in a Finite Reservoir. , 2021, , .		1
165	Energy Criterion of In-plane Fracture Propagation in Geomaterials with Rotating Particles. Springer Series in Geomechanics and Geoengineering, 2015, , 149-154.	0.0	1
166	A NEW CLASS OF COMPOSITE MATERIALS BASED ON TOPOLOGICAL INTERLOCKING. , 2002, , .		1
167	Effects of Fracture Intersections on Seismic Dispersion - Theoretical Predictions Versus Numerical Simulations. , 2016, , .		1
168	On the Determination of Rock Anisotropy for Stress Measurements. , 2008, , .		1
169	Opening of Mode I Fractures in Geomaterials with Rotating Particles: Small-Scale Cosserat Continuum Approach and Its Verification. Springer Series in Geomechanics and Geoengineering, 2017, , 547-555.	0.0	1
170	Catastrophic sliding over a fault caused by accumulation of dilation zones. , 2018, , 69-74.		1
171	Skin Rockbursts and Microseismicity in Underground Mining. , 2020, , .		1
172	The influence of multiple frequency perturbations on particle chaotization in a cell. Communications in Nonlinear Science and Numerical Simulation, 2015, 23, 28-38.	1.7	0
173	Classes of sustained microfracturing produced after formation of hydraulic fractures. International Journal of Rock Mechanics and Minings Sciences, 2020, 130, 104318.	2.6	0
174	Accumulation and Localization of Interacting Uni-directional Microcracks. , 2021, , 295-302.		0
175	Fracture mechanism of pre-split blasting. , 2000, , 235-240.		0
176	A MECHANISM OF THERMAL FRACTURING OF CEMENTICIOUS MATERIALS. , 2002, , .		0
177	Mesh Scalability Concept for Explicit Simulation of Rock Failure. , 2008, , .		0
178	Scaling of Effective Moduli of Generalised Continua. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 189-198.	0.1	0
179	Cracks in Cosserat Continuumâ€™ Macroscopic Modeling. Advances in Mechanics and Mathematics, 2010, , 37-45.	0.2	0
180	Estimation of in situ stress using the memory technique for deep mining. , 2014, , .		0

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181	Crack Development in Spatially Random Stress Fields Generated by Point Defects. Fracture in Compression. , 1999, , 63-74.		0
182	Influence of salinity and suction on slope stability in transported material. , 2016, , .		0
183	Deformations in Transform Faults with Rotating Crustal Blocks. , 2006, , 2011-2030.		0
184	Parallel Fault Systems with Evolving Self-similar Sliding Zones. , 2008, , 545-565.		0
185	Shear Zone Formation in 2D Random Granular Specimens within Enhanced Hypoplasticity. , 2007, , 301-317.		0
186	Towards integrated modeling of deformations, time-lapse seismic changes, and failure stresses caused by massive underground fluid operations. , 2020, , .		0