

Wencheng Jin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

392
citations

687363

13
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	Coal permeability model on the effect of gas extraction within effective influence zone. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2015, 1, 15-27.	2.9	46
2	Fluid-driven transition from damage to fracture in anisotropic porous media: a multi-scale XFEM approach. <i>Acta Geotechnica</i> , 2020, 15, 113-144.	5.7	36
3	A Review of Computational Models for the Flow of Milled Biomass Part I: Discrete-Particle Models. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6142-6156.	6.7	31
4	Anisotropic nonlocal damage model for materials with intrinsic transverse isotropy. <i>International Journal of Solids and Structures</i> , 2018, 139-140, 29-42.	2.7	25
5	A Review of Computational Models for the Flow of Milled Biomass Part II: Continuum-Mechanics Models. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6157-6172.	6.7	22
6	Estimation of the equivalent elastic modulus in shale formation: Theoretical model and experiment. <i>Journal of Petroleum Science and Engineering</i> , 2017, 151, 468-479.	4.2	21
7	Computational model coupling mode II discrete fracture propagation with continuum damage zone evolution. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017, 41, 223-250.	3.3	21
8	Micromechanics based discrete damage model with multiple non-smooth yield surfaces: Theoretical formulation, numerical implementation and engineering applications. <i>International Journal of Damage Mechanics</i> , 2018, 27, 611-639.	4.2	19
9	A density dependent Drucker-Prager/Cap model for ring shear simulation of ground loblolly pine. <i>Powder Technology</i> , 2020, 368, 45-58.	4.2	19
10	Elliptical fracture network modeling with validation in Datong Mine, China. <i>Environmental Earth Sciences</i> , 2015, 73, 7089-7101.	2.7	17
11	Relevance between abutment pressure and fractal dimension of crack network induced by mining. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 925-930.	10.3	16
12	Discrete equivalent wing crack based damage model for brittle solids. <i>International Journal of Solids and Structures</i> , 2017, 110-111, 279-293.	2.7	16
13	Flow characterization of compressible biomass particles using multiscale experiments and a hypoplastic model. <i>Powder Technology</i> , 2021, 383, 396-409.	4.2	16
14	Analytical expressions for the size distribution function of elliptical joints. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 70, 201-211.	5.8	15
15	Characterization of particle size and moisture content effects on mechanical and feeding behavior of milled corn (<i>Zea mays</i> L.) stover. <i>Powder Technology</i> , 2022, 405, 117535.	4.2	14
16	Fracture size estimation using data from multiple boreholes. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2016, 86, 29-41.	5.8	10
17	Modeling root system growth around obstacles. <i>Scientific Reports</i> , 2020, 10, 15868.	3.3	10
18	Flow and Arching of Biomass Particles in Wedge-Shaped Hoppers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15303-15314.	6.7	10

#	ARTICLE	IF	CITATIONS
19	XFEM to couple nonlocal micromechanics damage with discrete mode I cohesive fracture. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 357, 112617.	6.6	9
20	Nonlocal enrichment of a micromechanical damage model with tensile softening: Advantages and limitations. <i>Computers and Geotechnics</i> , 2018, 94, 196-206.	4.7	8
21	On the Fidelity of Computational Models for the Flow of Milled Loblolly Pine: A Benchmark Study on Continuum-Mechanics Models and Discrete-Particle Models. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	6
22	A general method to determine the stress intensity factor of multiple collinear cracks. <i>Mathematics and Mechanics of Solids</i> , 2013, 18, 397-408.	2.4	3
23	Coupling Continuum Damage Mechanics and Discrete Fracture Models: A Geomechanics Perspective. <i>Lecture Notes in Civil Engineering</i> , 2021, , 3-18.	0.4	1
24	A new theoretical model for guiding the gas extraction in coal mines. <i>Thermal Science</i> , 2017, 21, 293-300.	1.1	1