

Peng Hou

List of Publications by Year in descending order

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47
papers

1,157
citations

394421

19
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377865

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docs citations

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times ranked

897
citing authors

#	ARTICLE	IF	CITATIONS
1	ON ESTIMATING PLASTIC ZONES AND PROPAGATION ANGLES FOR MIXED MODE I/II CRACKS CONSIDERING FRACTAL EFFECT. <i>Fractals</i> , 2022, 30, .	3.7	13
2	Role of Liquid Nitrogen Cooling State in Physical and Tensile Properties of Sandstone. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	2.1	1
3	Changes in mechanical properties and fracture behaviors of heated marble subjected to liquid nitrogen cooling. <i>Engineering Fracture Mechanics</i> , 2022, 261, 108256.	4.3	14
4	Effect of liquid nitrogen cooling on mechanical characteristics and fracture morphology of layer coal under Brazilian splitting test. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 151, 105026.	5.8	69
5	Influence of Various Control Factors on Fracture Toughness and Fracture Energy of Sandstone Subjected to Liquid Nitrogen Cooling. <i>Energy & Fuels</i> , 2022, 36, 397-406.	5.1	4
6	A FRACTAL PERSPECTIVE ON STRUCTURAL DAMAGE AND FRACTURE CHARACTERISTICS OF COAL SUBJECTED TO LIQUID NITROGEN COOLING AT LABORATORY-SCALE. <i>Fractals</i> , 2022, 30, .	3.7	6
7	Effect of liquid nitrogen thermal shock on structure damage and brittleness properties of high-temperature marble. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	2.9	5
8	Numerical Evaluation on Stress and Permeability Evolution of Overlying Coal Seams for Gas Drainage and Gas Disaster Elimination in Protective Layer Mining. <i>Mining, Metallurgy and Exploration</i> , 2022, 39, 1027-1043.	0.8	5
9	Influence of Liquid Nitrogen Cooling State on Mechanical Properties and Fracture Characteristics of Coal. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 3817-3836.	5.4	16
10	Understanding Formulation and Temperature Effects on Dermal Transport Kinetics by IVPT and Multiphysics Simulation. <i>Pharmaceutical Research</i> , 2022, 39, 893-905.	3.5	3
11	Role of Fractal Effect in Predicting Crack Initiation Angle and Its Application in Hydraulic Fracturing. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 5491-5512.	5.4	4
12	Effect of Clay Minerals on Tensile Failure Characteristics of Shale. <i>ACS Omega</i> , 2022, 7, 24219-24230.	3.5	1
13	3D Multi-scale Reconstruction of Fractured Shale and Influence of Fracture Morphology on Shale Gas Flow. <i>Natural Resources Research</i> , 2021, 30, 2463-2481.	4.7	65
14	Multiphysics Modeling and Simulation of Subcutaneous Injection and Absorption of Biotherapeutics: Model Development. <i>Pharmaceutical Research</i> , 2021, 38, 607-624.	3.5	14
15	Quantitative visualization and characteristics of gas flow in 3D pore-fracture system of tight rock based on Lattice Boltzmann simulation. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 89, 103867.	4.4	55
16	A FRACTAL PERSPECTIVE ON FRACTURE INITIATION AND PROPAGATION OF RESERVOIR ROCKS UNDER WATER AND NITROGEN FRACTURING. <i>Fractals</i> , 2021, 29, .	3.7	45
17	Experimental investigation on the breakdown behaviours of sandstone due to liquid nitrogen fracturing. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108386.	4.2	21
18	Multiphysics Modeling and Simulation of Subcutaneous Injection and Absorption of Biotherapeutics: Sensitivity Analysis. <i>Pharmaceutical Research</i> , 2021, 38, 1011-1030.	3.5	15

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19	Multiscale pharmacokinetic modeling of systemic exposure of subcutaneously injected biotherapeutics. <i>Journal of Controlled Release</i> , 2021, 337, 407-416.	9.9	13
20	Effect of liquid nitrogen freeze-thaw cycle on fracture toughness and energy release rate of saturated sandstone. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108066.	4.3	37
21	Enzyme-triggered fluorescence turn-off/turn-on of carbon dots for monitoring β -glucosidase and its inhibitor in living cells. <i>Luminescence</i> , 2020, 35, 222-230.	2.9	14
22	Shale gas transport mechanisms in inorganic and organic pores based on lattice Boltzmann simulation. <i>Energy Reports</i> , 2020, 6, 2641-2650.	5.1	20
23	Effect of acid-base corrosion on the tensile strength of shale under different temperature. <i>Thermal Science</i> , 2020, 24, 3961-3969.	1.1	0
24	Effect of thermal cycling on mechanical properties and energy evolution of sandstone. <i>Thermal Science</i> , 2020, 24, 4001-4009.	1.1	1
25	Experimental and Numerical Study of the Effects of Layer Orientation on the Mechanical Behavior of Shale. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 4725-4743.	3.0	11
26	Evaluation of the diffusive tortuosity by analyzing the molecular thermal motion displacement. <i>Thermal Science</i> , 2019, 23, 1433-1440.	1.1	2
27	Thermal diffusion and flow property of CO ₂ /CH ₄ in organic nanopores with fractal rough surface. <i>Thermal Science</i> , 2019, 23, 1577-1583.	1.1	5
28	Highly sensitive detection of hepatitis C virus DNA by using a one-donor-four-acceptors FRET probe. <i>Talanta</i> , 2018, 185, 118-122.	5.5	13
29	A Comparative Study on Fracture Characteristics of the Red Sandstone under Water and Nitrogen Gas Fracturing. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-15.	0.7	2
30	Changes in breakdown pressure and fracture morphology of sandstone induced by nitrogen gas fracturing with different pore pressure distributions. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 109, 84-90.	5.8	34
31	Mechanical behaviour and permeability evolution of gas-containing coal from unloading confining pressure tests. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 40, 336-346.	4.4	67
32	Numerical Investigation of Bedding Plane Parameters of Transversely Isotropic Shale. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 1183-1204.	5.4	38
33	Moment tensor analysis of transversely isotropic shale based on the discrete element method. <i>International Journal of Mining Science and Technology</i> , 2017, 27, 507-515.	10.3	24
34	Effect of water and nitrogen fracturing fluids on initiation and extension of fracture in hydraulic fracturing of porous rock. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 45, 38-52.	4.4	46
35	Effect of pore pressure distribution on fracture behavior of sandstone in nitrogen fracturing. <i>Energy Exploration and Exploitation</i> , 2017, 35, 609-626.	2.3	16
36	Preparation of nitrogen-doped carbon dots with high quantum yield from Bombyx mori silk for Fe(III) ions detection. <i>RSC Advances</i> , 2017, 7, 50584-50590.	3.6	45

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37	An active structure preservation method for developing functional graphitic carbon dots as an effective antibacterial agent and a sensitive pH and Al(^{III}) nanosensor. <i>Nanoscale</i> , 2017, 9, 17334-17341.	5.6	76
38	Numerical investigation of hydraulic fracturing in transversely isotropic shale reservoirs based on the discrete element method. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 46, 398-420.	4.4	35
39	Analytical solutions of linear diffusion and wave equations in semi-infinite domains by using a new integral transform. <i>Thermal Science</i> , 2017, 21, 71-78.	1.1	3
40	Lattice Boltzmann simulation of fluid flow induced by thermal effect in heterogeneity porous media. <i>Thermal Science</i> , 2017, 21, 193-200.	1.1	2
41	A fully coupled thermo-hydro-mechanical model associated with inertia and slip effects. <i>Thermal Science</i> , 2017, 21, 259-266.	1.1	1
42	Simulation and visualization of the displacement between CO ₂ and formation fluids at pore-scale levels and its application to the recovery of shale gas. <i>International Journal of Coal Science and Technology</i> , 2016, 3, 351-369.	6.0	15
43	Quantitative evaluation of stress-relief and permeability-increasing effects of overlying coal seams for coal mine methane drainage in Wulan coal mine. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 32, 122-137.	4.4	44
44	Effect of the layer orientation on mechanics and energy evolution characteristics of shales under uniaxial loading. <i>International Journal of Mining Science and Technology</i> , 2016, 26, 857-862.	10.3	49
45	Changes in pore structure and permeability of low permeability coal under pulse gas fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 1017-1026.	4.4	42
46	Experimental investigation on the failure and acoustic emission characteristics of shale, sandstone and coal under gas fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 211-223.	4.4	51
47	Evaluation of coal damage and cracking characteristics due to liquid nitrogen cooling on the basis of the energy evolution laws. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 30-36.	4.4	95