

Chengpeng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

528
citations

623188

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676716

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docs citations

22
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas adsorption characteristics changes in shale after supercritical CO ₂ -water exposure at different pressures and temperatures. <i>Fuel</i> , 2022, 310, 122260.	3.4	19
2	The Role of Pore Pressure on the Mechanical Behavior of Coal Under Undrained Cyclic Triaxial Loading. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 1375-1392.	2.6	9
3	Experimental and Theoretical Study on Comparisons of Some Gas Permeability Test Methods for Tight Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 3153-3169.	2.6	2
4	Chemical-mechanical coupling effects on the permeability of shale subjected to supercritical CO ₂ -water exposure. <i>Energy</i> , 2022, 248, 123591.	4.5	24
5	Mineral dissolution and pore alteration of coal induced by interactions with supercritical CO ₂ . <i>Energy</i> , 2022, 248, 123627.	4.5	48
6	Mechanical response and mineral dissolution of anthracite induced by supercritical CO ₂ saturation: Influence of saturation time. <i>Fuel</i> , 2022, 319, 123759.	3.4	20
7	Uncovering the creep deformation mechanism of rock-forming minerals using nanoindentation. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 283-294.	4.6	21
8	Numerical simulation on the deformation characteristics of borehole failure in gas-bearing coal seams considering the effective stress principle under complicated stress path conditions. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2022, 8, 1.	1.3	6
9	Effects of temperature and grain size on the mechanical properties of polycrystalline quartz. <i>Computational Materials Science</i> , 2021, 188, 110138.	1.4	15
10	Microstructure and mechanical properties alterations in shale treated via CO ₂ /CO ₂ -water exposure. <i>Journal of Petroleum Science and Engineering</i> , 2021, 196, 108088.	2.1	32
11	Adsorption Characteristics and Thermodynamic Analysis of CH ₄ and CO ₂ on Continental and Marine Shale. <i>Transport in Porous Media</i> , 2021, 140, 763-788.	1.2	25
12	Permeability enhancement and porosity change of coal by liquid carbon dioxide phase change fracturing. <i>Engineering Geology</i> , 2021, 287, 106106.	2.9	60
13	Effect of sub-/super-critical CO ₂ and brine exposure on the mechanical and acoustic emission characteristics of shale. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 90, 103921.	2.1	21
14	Mechanical properties of α -quartz using nanoindentation tests and molecular dynamics simulations. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021, 147, 104878.	2.6	15
15	Experimental investigation on the influence of sub- and super-critical CO ₂ saturation time on the permeability of fractured shale. <i>Energy</i> , 2020, 191, 116574.	4.5	50
16	Application of nanoindentation technology in rocks: a review. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	48
17	Experimental evaluation of gas flow characteristics in fractured siltstone under various reservoir and injection conditions: an application to CO ₂ -based fracturing. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	11
18	Comparison of CO ₂ Flow Behavior through Intact Siltstone Sample under Tri-Axial Steady-State and Transient Flow Conditions. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1092.	1.3	3

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19	Experimental Study of Matrix Permeability of Gas Shale: An Application to CO ₂ -Based Shale Fracturing. <i>Energies</i> , 2018, 11, 702.	1.6	14
20	The influence of particle size on the long-term electrochemical corrosion behavior of pipeline steel in a corrosive soil environment. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 846-857.	0.8	3
21	Influence of Water Saturation on the Mechanical Behaviour of Low-Permeability Reservoir Rocks. <i>Energies</i> , 2017, 10, 236.	1.6	46
22	Characteristics of Clay-Abundant Shale Formations: Use of CO ₂ for Production Enhancement. <i>Energies</i> , 2017, 10, 1887.	1.6	36