

Gang Bai

List of Publications by Year in descending order

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18
papers

212
citations

1307594

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18
docs citations

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times ranked

130
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of CO ₂ injection on CH ₄ desorption rate in poor permeability coal seams: An experimental study. <i>Energy</i> , 2022, 238, 121674.	8.8	62
2	Coal Seam Gas Extraction by Integrated Drillings and Punchings from the Floor Roadway considering Hydraulic-Mechanical Coupling Effect. <i>Geofluids</i> , 2022, 2022, 1-10.	0.7	28
3	Influence of Carbon Dioxide on the Adsorption of Methane by Coal Using Low-Field Nuclear Magnetic Resonance. <i>Energy & Fuels</i> , 2020, 34, 6113-6123.	5.1	22
4	Quantitative experimental investigation of CO ₂ enhancement of the desorption rate of adsorbed CH ₄ in coal. <i>Energy Reports</i> , 2020, 6, 2336-2344.	5.1	14
5	Quantitative analysis of carbon dioxide replacement of adsorbed methane in different coal ranks using low-field NMR technique. <i>Fuel</i> , 2022, 326, 124980.	6.4	14
6	Experimental study on the influence of water immersion on spontaneous combustion of anthracite with high concentrations of sulfur-bearing minerals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 893-903.	3.6	12
7	Simulation and optimization of fire safety emergency evacuation in university library. <i>AIP Advances</i> , 2021, 11, .	1.3	12
8	Evaluation of lignite combustion characteristics and gas explosion risks under different air volumes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-15.	2.3	10
9	Experimental study of the influence of water on spontaneous combustion of coal containing pyrite. <i>International Journal of Coal Preparation and Utilization</i> , 2022, 42, 1357-1372.	2.1	8
10	An experimental investigation of the effect of acid stimulation on gas extraction from coal. <i>AIP Advances</i> , 2020, 10, .	1.3	6
11	Research method of pressure relief and permeability enhancement in low permeability coal seam: A review. <i>AIP Advances</i> , 2022, 12, .	1.3	6
12	Vent burst doors as an effective method of suppressing the dangers of gas explosions. <i>AIP Advances</i> , 2021, 11, 035112.	1.3	5
13	Experimental study on the effect of acidity on coal spontaneous combustion at different oxygen concentrations. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-10.	2.3	4
14	Removal of CO Generated by a Gas Explosion Using a Cu ²⁺ /Mn Elimination Agent. <i>ACS Omega</i> , 2021, 6, 16140-16150.	3.5	3
15	Influence of air supply on coal spontaneous combustion during support withdrawal in fully mechanized coal mining and its prevention. <i>Scientific Reports</i> , 2021, 11, 19330.	3.3	3
16	Influence of CO on Explosion Limits and Characteristics of the CH ₄ /Air Mixture. <i>ACS Omega</i> , 2022, 7, 24766-24776.	3.5	2
17	Effect of Sn on the CO Catalytic Activity and Water Resistance of Cu ²⁺ /Mn Catalyst. <i>ACS Omega</i> , 2022, 7, 12390-12400.	3.5	1
18	Experimental research on rapid removing characteristics of carbon monoxide generated during gas explosions. <i>PLoS ONE</i> , 2022, 17, e0267553.	2.5	0