

Fakai Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2981427/publications.pdf>

Version: 2024-02-01

21
papers

143
citations

1307594

7
h-index

1281871

11
g-index

21
all docs

21
docs citations

21
times ranked

164
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Study on the influence factors of the initial expansion energy of released gas. <i>Chemical Engineering Research and Design</i> , 2018, 117, 582-592. | 5.6 | 19 |
| 2 | Calculation Model and Rapid Estimation Method for Coal Seam Gas Content. <i>Processes</i> , 2018, 6, 223. | 2.8 | 17 |
| 3 | Desorption characterization of soft and hard coal and its influence on outburst prediction index. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 2807-2821. | 2.3 | 17 |
| 4 | Study on the permeability characteristics of coal containing coalbed methane under different loading paths. <i>Energy Science and Engineering</i> , 2018, 6, 475-483. | 4.0 | 15 |
| 5 | Sampling Methane-Bearing Coal Seams by Freezing Method: Coalbed Methane Desorption and Inhibition Characteristics Under Freezing Temperature. <i>Natural Resources Research</i> , 2020, 29, 1351-1360. | 4.7 | 11 |
| 6 | Correlation between coal and gas outburst risk and adsorption properties of coal seams. <i>Energy Science and Engineering</i> , 2019, 7, 974-985. | 4.0 | 10 |
| 7 | Study on the gas desorption law and indicator influencing factors of fixed-size coal samples. <i>Scientific Reports</i> , 2019, 9, 17134. | 3.3 | 10 |
| 8 | Orthogonal Experimental Study on Multifactor Conditions for Gas Desorption in Coal. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-12. | 0.7 | 8 |
| 9 | Research progress of disaster factors and a prevention alarm index of coal and gas outbursts. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1. | 1.3 | 7 |
| 10 | Study on the change of permeability of gas-containing coal under many factors. <i>Energy Science and Engineering</i> , 2019, 7, 194-206. | 4.0 | 6 |
| 11 | Influence of water injection on the desorption characteristics of coalbed methane. <i>Energy Science and Engineering</i> , 2020, 8, 4222-4228. | 4.0 | 5 |
| 12 | Experimental study on adsorption promotion and desorption restraint of gas-containing coal in low-temperature environment. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1. | 1.3 | 5 |
| 13 | Determination of Key Technical Parameters in the Study of New Pressure Sealing Technology for Coal Seam Gas Extraction. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4968. | 2.6 | 5 |
| 14 | Study on the Permeability Change Characteristic of Gas-Bearing Coal under Cyclic Loading and Unloading Path. <i>Geofluids</i> , 2021, 2021, 1-12. | 0.7 | 3 |
| 15 | Thermal drying dehydration and moisture migration in anthracite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 1518-1524. | 2.3 | 2 |
| 16 | Experimental study on principles of isothermal dehydration of anthracite. <i>Drying Technology</i> , 2019, 37, 38-46. | 3.1 | 1 |
| 17 | Study on Factors Influencing the Viscosity of Sodium Carboxymethyl Cellulose Used in Capsule-Mucous Sealers. <i>Geofluids</i> , 2022, 2022, 1-9. | 0.7 | 1 |
| 18 | Moisture Content on Methane Desorption Characteristics in Coal and Its Effect on Outburst Prediction. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | Compaction characteristics and permeability evolution characteristics of broken coal body under triaxial stress. , 2020, , . | | 0 |
| 20 | Research on uniaxial stress compression mechanical properties and uniaxial stress failure mode of pre-cracked rock. , 2020, , . | | 0 |
| 21 | Gas Adsorption and Desorption Performance of Coal with Different Degree of Metamorphism. , 2021, , . | | 0 |