

Dameng Liu

List of Publications by Year in descending order

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139
papers

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50244

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140
all docs

140
docs citations

140
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	Petrophysical characterization of coals by low-field nuclear magnetic resonance (NMR). <i>Fuel</i> , 2010, 89, 1371-1380.	3.4	689
2	Fractal characterization of adsorption-pores of coals from North China: An investigation on CH ₄ adsorption capacity of coals. <i>International Journal of Coal Geology</i> , 2008, 73, 27-42.	1.9	618
3	Pore structure and its impact on CH ₄ adsorption capacity and flow capability of bituminous and subbituminous coals from Northeast China. <i>Fuel</i> , 2013, 103, 258-268.	3.4	554
4	Comparison of low-field NMR and mercury intrusion porosimetry in characterizing pore size distributions of coals. <i>Fuel</i> , 2012, 95, 152-158.	3.4	521
5	Fractal characterization of seepage-pores of coals from China: An investigation on permeability of coals. <i>Computers and Geosciences</i> , 2009, 35, 1159-1166.	2.0	291
6	Geological controls on prediction of coalbed methane of No. 3 coal seam in Southern Qinshui Basin, North China. <i>International Journal of Coal Geology</i> , 2011, 88, 101-112.	1.9	257
7	Fractal characterization of pore-fracture in low-rank coals using a low-field NMR relaxation method. <i>Fuel</i> , 2016, 181, 218-226.	3.4	200
8	Non-destructive characterization of coal samples from China using microfocus X-ray computed tomography. <i>International Journal of Coal Geology</i> , 2009, 80, 113-123.	1.9	191
9	Preliminary evaluation of the coalbed methane production potential and its geological controls in the Weibei Coalfield, Southeastern Ordos Basin, China. <i>International Journal of Coal Geology</i> , 2009, 78, 1-15.	1.9	180
10	Permeability evolution in fractured coal – Combining triaxial confinement with X-ray computed tomography, acoustic emission and ultrasonic techniques. <i>International Journal of Coal Geology</i> , 2014, 122, 91-104.	1.9	178
11	Characterizations of full-scale pore size distribution, porosity and permeability of coals: A novel methodology by nuclear magnetic resonance and fractal analysis theory. <i>International Journal of Coal Geology</i> , 2018, 196, 148-158.	1.9	174
12	Quantitative characterization of methane adsorption on coal using a low-field NMR relaxation method. <i>International Journal of Coal Geology</i> , 2014, 131, 32-40.	1.9	169
13	Coal reservoir characteristics and coalbed methane resource assessment in Huainan and Huaibei coalfields, Southern North China. <i>International Journal of Coal Geology</i> , 2009, 79, 97-112.	1.9	164
14	Application of nuclear magnetic resonance (NMR) in coalbed methane and shale reservoirs: A review. <i>International Journal of Coal Geology</i> , 2020, 218, 103261.	1.9	148
15	Advanced characterization of pores and fractures in coals by nuclear magnetic resonance and X-ray computed tomography. <i>Science China Earth Sciences</i> , 2010, 53, 854-862.	2.3	144
16	Petrophysical characterization of Chinese coal cores with heat treatment by nuclear magnetic resonance. <i>Fuel</i> , 2013, 108, 292-302.	3.4	144
17	Multi-scale quantitative characterization of 3-D pore-fracture networks in bituminous and anthracite coals using FIB-SEM tomography and X-ray μ -CT. <i>Fuel</i> , 2017, 209, 43-53.	3.4	140
18	Insights into matrix compressibility of coals by mercury intrusion porosimetry and N ₂ adsorption. <i>International Journal of Coal Geology</i> , 2018, 200, 199-212.	1.9	119

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19	Experimental evaluation of CO ₂ enhanced recovery of adsorbed-gas from shale. <i>International Journal of Coal Geology</i> , 2017, 179, 211-218.	1.9	112
20	Fractal Analysis on Heterogeneity of Pore-Fractures in Middle-High Rank Coals with NMR. <i>Energy & Fuels</i> , 2016, 30, 5449-5458.	2.5	106
21	Adsorption pore structure and its fractal characteristics of coals by N ₂ adsorption/desorption and FESEM image analyses. <i>Fuel</i> , 2019, 257, 116031.	3.4	100
22	Investigations of CO ₂ -water wettability of coal: NMR relaxation method. <i>International Journal of Coal Geology</i> , 2018, 188, 38-50.	1.9	98
23	A new application of NMR in characterization of multiphase methane and adsorption capacity of shale. <i>International Journal of Coal Geology</i> , 2019, 201, 76-85.	1.9	96
24	Influences of igneous intrusions on coal rank, coal quality and adsorption capacity in Hongyang, Handan and Huaibei coalfields, North China. <i>International Journal of Coal Geology</i> , 2011, 88, 135-146.	1.9	92
25	Geological and hydrogeological controls on the accumulation of coalbed methane in the Weibei field, southeastern Ordos Basin. <i>International Journal of Coal Geology</i> , 2014, 121, 148-159.	1.9	92
26	Nuclear magnetic resonance T ₂ cutoffs of coals: A novel method by multifractal analysis theory. <i>Fuel</i> , 2019, 241, 715-724.	3.4	90
27	Evaluation of the reservoir permeability of anthracite coals by geophysical logging data. <i>International Journal of Coal Geology</i> , 2011, 87, 121-127.	1.9	85
28	Investigating the Effects of Seepage-Pores and Fractures on Coal Permeability by Fractal Analysis. <i>Transport in Porous Media</i> , 2016, 111, 479-497.	1.2	85
29	Evaluation of coal texture distributions in the southern Qinshui basin, North China: Investigation by a multiple geophysical logging method. <i>International Journal of Coal Geology</i> , 2015, 140, 9-22.	1.9	81
30	Assessing the Water Migration and Permeability of Large Intact Bituminous and Anthracite Coals Using NMR Relaxation Spectrometry. <i>Transport in Porous Media</i> , 2015, 107, 527-542.	1.2	81
31	3D characterization and quantitative evaluation of pore-fracture networks of two Chinese coals using FIB-SEM tomography. <i>International Journal of Coal Geology</i> , 2017, 174, 41-54.	1.9	78
32	Fractal Characteristics of Coal Pores Based on Classic Geometry and Thermodynamics Models. <i>Acta Geologica Sinica</i> , 2011, 85, 1150-1162.	0.8	68
33	Multi-scale fractal characterizations of lignite, subbituminous and high-volatile bituminous coals pores by mercury intrusion porosimetry. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 44, 338-350.	2.1	68
34	Geological and hydrological controls on the accumulation of coalbed methane within the No. 3 coal seam of the southern Qinshui Basin. <i>International Journal of Coal Geology</i> , 2017, 182, 94-111.	1.9	68
35	Effects of igneous intrusions on coal petrology, pore-fracture and coalbed methane characteristics in Hongyang, Handan and Huaibei coalfields, North China. <i>International Journal of Coal Geology</i> , 2012, 96-97, 72-81.	1.9	67
36	Nuclear magnetic resonance surface relaxivity of coals. <i>International Journal of Coal Geology</i> , 2019, 205, 1-13.	1.9	65

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37	Evaluation and modeling of gas permeability changes in anthracite coals. <i>Fuel</i> , 2013, 111, 606-612.	3.4	61
38	Effects of Pressure and Temperature on Gas Diffusion and Flow for Primary and Enhanced Coalbed Methane Recovery. <i>Energy Exploration and Exploitation</i> , 2014, 32, 601-619.	1.1	60
39	Investigation of methane diffusion in low-rank coals by a multiporous diffusion model. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 97-107.	2.1	59
40	Characteristics of Coal Matrix Compressibility: An Investigation by Mercury Intrusion Porosimetry. <i>Energy & Fuels</i> , 2014, 28, 3673-3678.	2.5	57
41	Partial coal pyrolysis and its implication to enhance coalbed methane recovery, Part I: An experimental investigation. <i>Fuel</i> , 2014, 132, 12-19.	3.4	55
42	Coal Structure and Its Implications for Coalbed Methane Exploitation: A Review. <i>Energy & Fuels</i> , 2021, 35, 86-110.	2.5	55
43	Geochemistry of sulfur and elements in coals from the Antaibao surface mine, Pingshuo, Shanxi Province, China. <i>International Journal of Coal Geology</i> , 2001, 46, 51-64.	1.9	53
44	Variable gas content, saturation, and accumulation characteristics of Weibei coalbed methane pilot-production field in the southeastern Ordos Basin, China. <i>AAPG Bulletin</i> , 2013, 97, 1371-1393.	0.7	53
45	Mineral occurrence and its impact on fracture generation in selected Qinshui Basin coals: An experimental perspective. <i>International Journal of Coal Geology</i> , 2015, 150-151, 35-50.	1.9	52
46	Dynamic permeability change during coalbed methane production and its controlling factors. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 25, 335-346.	2.1	51
47	Spontaneous imbibition in coal: Experimental and model analysis. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 67, 108-121.	2.1	50
48	Evolution of pore structure, submaceral composition and produced gases of two Chinese coals during thermal treatment. <i>Fuel Processing Technology</i> , 2017, 156, 298-309.	3.7	48
49	Comparative analysis of nanopore structure and its effect on methane adsorption capacity of Southern Junggar coalfield coals by gas adsorption and FIB-SEM tomography. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 117-128.	2.2	47
50	Fault-sealing capability and its impact on coalbed methane distribution in the Zhengzhuang field, southern Qinshui Basin, North China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 613-625.	2.1	46
51	Natural fractures initiation and fracture type prediction in coal reservoir under different in-situ stresses during hydraulic fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 43, 69-80.	2.1	44
52	Evaluation of structured coal evolution and distribution by geophysical logging methods in the Gujiao Block, northwest Qinshui basin, China. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 51, 210-222.	2.1	44
53	Experimental simulation of the hydraulic fracture propagation in an anthracite coal reservoir in the southern Qinshui basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2018, 168, 400-408.	2.1	43
54	Preliminary evaluation of gas content of the No. 2 coal seam in the Yanchuannan area, southeast Ordos basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2014, 122, 675-689.	2.1	41

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55	Control of CO ₂ Permeability Change in Different Rank Coals during Pressure Depletion: An Experimental Study. <i>Energy & Fuels</i> , 2014, 28, 987-996.	2.5	39
56	Size Distribution and Fractal Characteristics of Coal Pores through Nuclear Magnetic Resonance Cryoporometry. <i>Energy & Fuels</i> , 2017, 31, 7746-7757.	2.5	38
57	A new constructed macromolecule-pore structure of anthracite and its related gas adsorption: A molecular simulation study. <i>International Journal of Coal Geology</i> , 2020, 220, 103415.	1.9	37
58	Investigating the Fractal Characteristics of Pore-Fractures in Bituminous Coals and Anthracites through Fluid Flow Behavior. <i>Energy & Fuels</i> , 2016, 30, 10348-10357.	2.5	36
59	Vertical Heterogeneity of the Shale Reservoir in the Lower Silurian Longmaxi Formation: Analogy between the Southeastern and Northeastern Sichuan Basin, SW China. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 151.	0.8	36
60	Gas sorption and flow capabilities of lignite, subbituminous and high-volatile bituminous coals in the Southern Junggar Basin, NW China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 6-21.	2.1	35
61	Evaluation of coal petrophysics incorporating fractal characteristics by mercury intrusion porosimetry and low-field NMR. <i>Fuel</i> , 2020, 263, 116802.	3.4	35
62	An updated study on CH ₄ isothermal adsorption and isosteric adsorption heat behaviors of variable rank coals. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 89, 103899.	2.1	35
63	Coal petrology and genesis of Jurassic coal in the Ordos Basin, China. <i>Geoscience Frontiers</i> , 2012, 3, 85-95.	4.3	33
64	Pore Structure and Compressibility of Coal Matrix with Elevated Temperatures by Mercury Intrusion Porosimetry. <i>Energy Exploration and Exploitation</i> , 2015, 33, 809-826.	1.1	33
65	Scale-span pore structure heterogeneity of high volatile bituminous coal and anthracite by FIB-SEM and X-ray μ -CT. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 81, 103443.	2.1	33
66	Spontaneous imbibition in coal with in-situ dynamic micro-CT imaging. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109296.	2.1	33
67	COMPARISON OF PORE FRACTAL CHARACTERISTICS BETWEEN MARINE AND CONTINENTAL SHALES. <i>Fractals</i> , 2018, 26, 1840016.	1.8	32
68	Geological controls on variable gas concentrations: A case study of the northern Gujiao Block, northwestern Qinshui Basin, China. <i>Marine and Petroleum Geology</i> , 2018, 92, 582-596.	1.5	32
69	Dynamic fluid interactions during CO ₂ -ECBM and CO ₂ sequestration in coal seams. Part 2: CO ₂ -H ₂ O wettability. <i>Fuel</i> , 2020, 279, 118560.	3.4	32
70	Permeability, mineral and pore characteristics of coals response to acid treatment by NMR and QEMSCAN: Insights into acid sensitivity mechanism. <i>Journal of Petroleum Science and Engineering</i> , 2021, 198, 108205.	2.1	32
71	Measurement of adsorption phase densities with respect to different pressure: Potential application for determination of free and adsorbed methane in coalbed methane reservoir. <i>Chemical Engineering Journal</i> , 2022, 446, 137103.	6.6	31
72	Insights into fractures and minerals in subbituminous and bituminous coals by FESEM-EDS and X-ray μ -CT. <i>Fuel</i> , 2019, 237, 977-988.	3.4	30

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73	In situ stress distribution and its impact on CBM reservoir properties in the Zhengzhuang area, southern Qinshui Basin, North China. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 61, 83-96.	2.1	30
74	Physical Characterization of the Pore-Fracture System in Coals, Northeastern China. <i>Energy Exploration and Exploitation</i> , 2013, 31, 267-285.	1.1	29
75	Pore structure of selected Chinese coals with heating and pressurization treatments. <i>Science China Earth Sciences</i> , 2014, 57, 1567-1582.	2.3	29
76	Interactions and exchange of CO ₂ and H ₂ O in coals: an investigation by low-field NMR relaxation. <i>Scientific Reports</i> , 2016, 6, 19919.	1.6	29
77	A Novel Method for Gas-Water Relative Permeability Measurement of Coal Using NMR Relaxation. <i>Transport in Porous Media</i> , 2018, 124, 73-90.	1.2	28
78	Effect of coalification jumps on petrophysical properties of various metamorphic coals from different coalfields in China. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 60, 63-76.	2.1	28
79	The impacts of flow velocity on permeability and porosity of coals by core flooding and nuclear magnetic resonance: Implications for coalbed methane production. <i>Journal of Petroleum Science and Engineering</i> , 2018, 171, 938-950.	2.1	28
80	Critical tectonic events and their geological controls on gas generation, migration, and accumulation in the Weibei coalbed methane field, southeast Ordos basin. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 1367-1380.	2.1	26
81	Application of seismic curvature attributes in the delineation of coal texture and deformation in Zhengzhuang field, southern Qinshui Basin. <i>AAPG Bulletin</i> , 2020, 104, 1143-1166.	0.7	26
82	Effects of the coalification jump on the petrophysical properties of lignite, subbituminous and high-volatile bituminous coals. <i>Fuel</i> , 2017, 199, 219-228.	3.4	25
83	Effects of water saturation on P-wave propagation in fractured coals: An experimental perspective. <i>Journal of Applied Geophysics</i> , 2017, 144, 94-103.	0.9	25
84	Petrophysics characteristics of coalbed methane reservoir: A comprehensive review. <i>Frontiers of Earth Science</i> , 2020, , 1.	0.9	25
85	Effects of natural micro-fracture morphology, temperature and pressure on fluid flow in coals through fractal theory combined with lattice Boltzmann method. <i>Fuel</i> , 2021, 286, 119468.	3.4	24
86	Constraining coalbed methane reservoir petrophysical and mechanical properties through a new coal structure index in the southern Qinshui Basin, northern China: Implications for hydraulic fracturing. <i>AAPG Bulletin</i> , 2020, 104, 1817-1842.	0.7	23
87	Experimental Study of the Effective Stress Coefficient for Coal Anisotropic Permeability. <i>Energy & Fuels</i> , 2020, 34, 5856-5867.	2.5	23
88	Behavior and mechanism of water imbibition and its influence on gas permeability during hydro-fracturing of a coalbed methane reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109745.	2.1	23
89	Partial Coal Pyrolysis and Its Implication To Enhance Coalbed Methane Recovery: A Simulation Study. <i>Energy & Fuels</i> , 2017, 31, 4895-4903.	2.5	22
90	Variation of Petrophysical Properties and Adsorption Capacity in Different Rank Coals: An Experimental Study of Coals from the Junggar, Ordos and Qinshui Basins in China. <i>Energies</i> , 2019, 12, 986.	1.6	22

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91	Quantitative characterization of multiphase methane in coals using the NMR relaxation method. <i>Journal of Petroleum Science and Engineering</i> , 2021, 198, 108148.	2.1	22
92	AFM measurement of roughness, adhesive force and wettability in various rank coal samples from Qinshui and Junggar basin, China. <i>Fuel</i> , 2022, 317, 123556.	3.4	22
93	Structural compartmentalization and its relationships with gas accumulation and gas production in the Zhengzhuang Field, southern Qinshui Basin. <i>International Journal of Coal Geology</i> , 2022, 259, 104055.	1.9	22
94	Comparative study on CO ₂ corrosion behavior of N80, P110, X52 and 13Cr pipe lines in simulated stratum water. <i>Science China Technological Sciences</i> , 2010, 53, 2342-2349.	2.0	20
95	A Mercury Intrusion Porosimetry Method for Methane Diffusivity and Permeability Evaluation in Coals: A Comparative Analysis. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 860.	1.3	20
96	Dynamic Fluid Interactions during CO ₂ -Enhanced Coalbed Methane and CO ₂ Sequestration in Coal Seams. Part 1: CO ₂ -CH ₄ Interactions. <i>Energy & Fuels</i> , 2020, 34, 8274-8282.	2.5	20
97	Seasonal variations of atmospheric heterocyclic aromatic amines in Beijing, China. <i>Atmospheric Research</i> , 2013, 120-121, 287-297.	1.8	18
98	Comparison of Three Key Marine Shale Reservoirs in the Southeastern Margin of the Sichuan Basin, SW China. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 179.	0.8	18
99	Carbon isotopic characteristics of CH ₄ and its significance to the gas performance of coal reservoirs in the Zhengzhuang area, Southern Qinshui Basin, North China. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 58, 135-151.	2.1	18
100	Methane adsorption constrained by pore structure in high-rank coals using ³¹ P-CP-MAS NMR, ¹³ C-NMR, CO ₂ adsorption, and ¹³ C-NMR techniques. <i>Energy Science and Engineering</i> , 2019, 7, 255-271.	1.9	18
101	Pore Structure and Compressibility Characteristics of Heat-Treated Coals by N ₂ Adsorption/Desorption and Mercury Intrusion Porosimetry. <i>Energy & Fuels</i> , 2020, 34, 3173-3187.	2.5	18
102	Review on Applications of X-ray Computed Tomography for Coal Characterization: Recent Progress and Perspectives. <i>Energy & Fuels</i> , 2022, 36, 6659-6674.	2.5	17
103	Distribution and source apportionment of Polycyclic aromatic hydrocarbons from atmospheric particulate matter PM _{2.5} in Beijing. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 297-305.	1.9	16
104	Evaluation and Modeling of the CO ₂ Permeability Variation by Coupling Effective Pore Size Evolution in Anthracite Coal. <i>Energy & Fuels</i> , 2015, 29, 717-723.	2.5	16
105	Fracture permeability evaluation of a coal reservoir using geophysical logging: A case study in the Zhengzhuang area, southern Qinshui Basin. <i>Energy Exploration and Exploitation</i> , 2016, 34, 378-399.	1.1	15
106	Insights into fractal characteristics of pores in different rank coals by nuclear magnetic resonance (NMR). <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	15
107	Fault Development Characteristics and Their Effects on Current Gas Content and Productivity of No. 3 Coal Seam in the Zhengzhuang Field, Southern Qinshui Basin, North China. <i>Energy & Fuels</i> , 2021, 35, 2268-2281.	2.5	15
108	Geological Factors and Reservoir Properties Affecting the Gas Content of Coal Seams in the Gujiao Area, Northwest Qinshui Basin, China. <i>Energies</i> , 2018, 11, 1044.	1.6	14

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109	Investigation on the Methane Adsorption Capacity in Coals: Considerations from Nanopores by Multifractal Analysis. <i>Energy & Fuels</i> , 2021, 35, 6633-6643.	2.5	14
110	Gas Content Evaluation of Coalbed Methane Reservoir in the Fukang Area of Southern Junggar Basin, Northwest China by Multiple Geophysical Logging Methods. <i>Energies</i> , 2018, 11, 1867.	1.6	13
111	Pore Structure of Coals by Mercury Intrusion, N ₂ Adsorption and NMR: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1680.	1.3	13
112	Evaluation of multistage characteristics for coalbed methane desorption-diffusion and their geological controls: A case study of the northern Gujiao Block of Qinshui Basin, China. <i>Journal of Petroleum Science and Engineering</i> , 2021, 204, 108704.	2.1	13
113	A multifractal-based method for determination NMR dual T ₂ cutoffs in coals. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110488.	2.1	13
114	An analytical model for coalbed methane transport through nanopores coupling multiple flow regimes. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 82, 103500.	2.1	12
115	Methane Adsorption Interpreting with Adsorption Potential and Its Controlling Factors in Various Rank Coals. <i>Processes</i> , 2020, 8, 390.	1.3	12
116	ORGANIC PETROLOGY OF POTENTIAL SOURCE ROCKS IN THE TARIM BASIN, NW CHINA. <i>Journal of Petroleum Geology</i> , 2003, 26, 105-124.	0.9	11
117	DLVO-Based Analyses of the Water Vapor Adsorption and Condensation in Hydrophilic Nanopores of Low-Rank Coal. <i>Energy & Fuels</i> , 2021, 35, 11920-11929.	2.5	11
118	Gas transport and diffusion coefficients in a coupling coal system of matrix and nano-fracture: A molecular simulation study. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 99, 104407.	2.1	11
119	A Novel Approach to Obtain Fractal Dimension in Coals by LFNMR: Insights from the T ₂ Peak and T ₂ Geometric Mean. <i>Journal of Energy Engineering - ASCE</i> , 2022, 148, .	1.0	8
120	Determination of the degree of coal deformation and its effects on gas production in the southern Qinshui Basin, North China. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110746.	2.1	8
121	AFM characterization of physical properties in coal adsorbed with different cations induced by electric pulse fracturing. <i>Fuel</i> , 2022, 327, 125247.	3.4	8
122	Evaluation of the coal reservoir permeability using well logging data and its application in the Weibei coalbed methane field, southeast Ordos basin, China. <i>Arabian Journal of Geosciences</i> , 2015, 8, 5449-5458.	0.6	7
123	Petrographic Controls on Pore and Fissure Characteristics of Coals from the Southern Junggar Coalfield, Northwest China. <i>Energies</i> , 2018, 11, 1556.	1.6	7
124	Evaluation of Methane Dynamic Adsorptionâ€™Diffusion Process in Coals by a Low-Field NMR Method. <i>Energy & Fuels</i> , 2020, 34, 16119-16131.	2.5	6
125	Fracturing curve and its corresponding gas productivity of coalbed methane wells in the Zhengzhuang block, southern Qinshui Basin, North China. <i>Energy Exploration and Exploitation</i> , 2020, 38, 1387-1408.	1.1	6
126	Fluid Performance in Coal Reservoirs: A Comprehensive Review. <i>Geofluids</i> , 2021, 2021, 1-33.	0.3	6

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127	Pore-Fractures of Coalbed Methane Reservoir Restricted by Coal Facies in Sangjiang-Muling Coal-Bearing Basins, Northeast China. <i>Energies</i> , 2020, 13, 1196.	1.6	5
128	Hydrodynamic and Geostress Controls on CBM Enrichment in the Anze Block, Southern Qinshui Basin, North China. <i>Geofluids</i> , 2022, 2022, 1-14.	0.3	5
129	How Does CO ₂ Adsorption Alter Coal Wettability? Implications for CO ₂ Geo-sequestration. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
130	Interference mechanism in coalbed methane wells and impacts on infill adjustment for existing well patterns. <i>Energy Reports</i> , 2022, 8, 8675-8689.	2.5	5
131	Mineral Characteristics of Low-Rank Coal and the Effects on the Micro- and Nanoscale Pore-Fractures: A Case Study from the Zhundong Coalfield, Northwest China. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 460-471.	0.9	4
132	Dual Compressibility Characteristics of Lignite, Subbituminous, and High-Volatile Bituminous Coals: A New Insight into Permeability. <i>Transport in Porous Media</i> , 2021, 136, 295-317.	1.2	4
133	Geological factors on gas entrapment mechanism and prediction of coalbed methane of the no. 6 coal seam in the Jungar coalfield, northeast Ordos Basin, China. <i>International Journal of Oil, Gas and Coal Technology</i> , 2014, 8, 449.	0.1	3
134	A Study on the Heterogeneity Characteristics of Geological Controls on Coalbed Methane Accumulation in Gujiao Coalbed Methane Field, Xishan Coalfield, China. <i>Geofluids</i> , 2021, 2021, 1-20.	0.3	3
135	P-wave and S-wave response of coal rock containing gas-water with different saturation: an experimental perspective. <i>Frontiers of Earth Science</i> , 2023, 17, 100-108.	0.9	3
136	Evaluation of the Coalbed Methane Potential by a GIS-Based Fuzzy AHP Model. , 2009, , .		2
137	Prediction of Young Modulus of coal using artificial neural networks in Qinshui Basin, China. <i>Acta Geologica Sinica</i> , 2015, 89, 339-341.	0.8	1
138	A Semianalytical Approach for Production of Oil from Bottom Water Drive Tight Oil Reservoirs with Complex Hydraulic Fractures. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	0.9	1
139	Experimental study on methane adsorption behaviour of different rank coals under variable temperature and pressure. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 360, 012023.	0.2	0