

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/727074/publications.pdf>

Version: 2024-02-01

169
papers

6,840
citations

50566

48
h-index

93651

72
g-index

171
all docs

171
docs citations

171
times ranked

2401
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel technology for high-efficiency borehole-enlarging to enhance gas drainage in coal seam by mechanical cutting assisted by waterjet. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 1336-1353.	1.2	12
2	Effect of particle size on gas energy release for tectonic coal during outburst process. Fuel, 2022, 307, 121888.	3.4	14
3	Experimental study on the guiding effect of tectonic coal for coal and gas outburst. Fuel, 2022, 309, 122087.	3.4	24
4	Comparative analysis of pore structure parameters of coal by using low pressure argon and nitrogen adsorption. Fuel, 2022, 309, 122120.	3.4	47
5	The effect of leakage characteristics of liquid CO ₂ phase transition on fracturing coal seam: Applications for enhancing coalbed methane recovery. Fuel, 2022, 308, 122044.	3.4	20
6	3D visualization of tectonic coal microstructure and quantitative characterization on topological connectivity of pore-fracture networks by Micro-CT. Journal of Petroleum Science and Engineering, 2022, 208, 109675.	2.1	35
7	A Novel In-Seam Borehole Discontinuous Hydraulic Flushing Technology in the Driving Face of Soft Coal Seams: Enhanced Gas Extraction Mechanism and Field Application. Rock Mechanics and Rock Engineering, 2022, 55, 885-907.	2.6	33
8	New Insights into Failure Behaviors of Tectonic Coal Under Triaxial Conditions Using Reconstituted Coal Specimens. Rock Mechanics and Rock Engineering, 2022, 55, 1361-1374.	2.6	8
9	Morphological Characterization of the Microcrystalline Structure of Tectonic Coal and Its Intrinsic Connection with Ultra-micropore Evolution. Energy & Fuels, 2022, 36, 1482-1494.	2.5	10
10	Experimental and theoretical analyses to predict coal and gas outburst using desorption indices of drill cuttings. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	3
11	Experimental investigation on the diffusion property of different form coal: Implication for the selection of CO ₂ storage reservoir. Fuel, 2022, 318, 123691.	3.4	19
12	Quantitative analysis of difference in CH ₄ and CO ₂ desorption characteristics of tectonic coal. Fuel, 2022, 318, 123691.	2.1	12
13	Calculation of gas concentration-dependent diffusion coefficient in coal particles: Influencing mechanism of gas pressure and desorption time on diffusion behavior. Fuel, 2022, 320, 123973.	3.4	16
14	Multiscale morphological and topological characterization of coal microstructure: Insights into the intrinsic structural difference between original and tectonic coals. Fuel, 2022, 321, 124076.	3.4	10
15	Evidence for universal rupture behavior during coal and gas outbursts. Fuel, 2022, 324, 124592.	3.4	4
16	Pressure Relief Mechanism and Gas Extraction Method during the Mining of the Steep and Extra-Thick Coal Seam: A Case Study in the Yaojie No. 3 Coal Mine. Energies, 2022, 15, 3792.	1.6	7
17	Effect of gas adsorption on breakage energy of tectonic coal particles. Powder Technology, 2022, 406, 117575.	2.1	17
18	Potential infrasonic tremors in coal seam systems: Implications for the prediction of coal and gas outbursts. Fuel, 2022, 326, 125000.	3.4	6

#	ARTICLE	IF	CITATIONS
19	The Energy Principle of Coal and Gas Outbursts: Experimentally Evaluating the Role of Gas Desorption. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 11-30.	2.6	32
20	Influence of matrix size and pore damage path on the size dependence of gas adsorption capacity of coal. <i>Fuel</i> , 2021, 283, 119289.	3.4	32
21	Gas extraction challenge and the application of hydraulic cavity technology in the Shijiazhuang coalmine, Qinshui basin. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 611-633.	1.2	2
22	Coal Formation and Metamorphism. , 2021, , 41-76.		0
23	Flow Theory of Gas in Coal Seams. , 2021, , 377-414.		1
24	Geostress and Coal Seam Gas Occurrence. , 2021, , 337-376.		0
25	Basic Physical Properties and Characteristics of Coal Pores and Fractures. , 2021, , 77-110.		0
26	Effects of pore morphology and moisture on CBM-related sorption-induced coal deformation: An experimental investigation. <i>Energy Science and Engineering</i> , 2021, 9, 1180-1201.	1.9	8
27	Influence of tectonic evolution on pore structure and fractal characteristics of coal by low pressure gas adsorption. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 87, 103788.	2.1	26
28	Laboratory quantification of coal permeability reduction effect during carbon dioxide injection process. <i>Chemical Engineering Research and Design</i> , 2021, 148, 638-649.	2.7	12
29	Effects of composition changes of coal treated with hydrochloric acid on pore structure and fractal characteristics. <i>Fuel</i> , 2021, 294, 120506.	3.4	24
30	Energy-limiting factor for coal and gas outburst occurrence in intact coal seam. <i>International Journal of Mining Science and Technology</i> , 2021, 31, 729-742.	4.6	48
31	Analysis of the Coal and Gas Outburst Mechanism from the Perspective of Tectonic Movement. <i>Geofluids</i> , 2021, 2021, 1-18.	0.3	4
32	Experimental Investigation on the Mechanism of Coal and Gas Outburst: Novel Insights on the Formation and Development of Coal Spallation. <i>Rock Mechanics and Rock Engineering</i> , 2021, 54, 5807-5825.	2.6	13
33	Thermal Evolution Characteristics of the Pore Structure in Coal and Its Dominant Factor Conversion. <i>Energy & Fuels</i> , 2021, 35, 13712-13721.	2.5	4
34	Numerical simulation of magma intrusion on the thermal evolution of low-rank coal. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	4
35	Experimental study on influence of adsorption equilibrium time on methane adsorption isotherm and Langmuir parameter. <i>Advanced Powder Technology</i> , 2021, 32, 4110-4119.	2.0	20
36	Fracture processes in coal measures strata under liquid CO ₂ phase transition blasting. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107902.	2.0	15

#	ARTICLE	IF	CITATIONS
37	Threshold pressure gradient for helium seepage in coal and its application to equivalent seepage channel characterization. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104231.	2.1	8
38	Application of Coal Mechanics in Coal and Gas Outbursts. , 2021, , 463-523.		0
39	Seepage Properties and Permeability Evolution Model of Coal. , 2021, , 243-335.		0
40	Experimental study on methane adsorption and time-dependent dynamic diffusion coefficient of intact and tectonic coals: Implications for CO ₂ -enhanced coalbed methane projects. <i>Chemical Engineering Research and Design</i> , 2021, 156, 568-580.	2.7	20
41	Controlling factors of coalbed methane occurrence below redbeds in Xutuan mine: Caprock thickness below redbeds. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104323.	2.1	5
42	Study on the stress relief and permeability increase in a special low-permeability thick coal seam to stimulate gas drainage. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 1001-1013.	1.2	12
43	Non-uniform Distributions of Gas Pressure and Coal Permeability in Coalbed Methane Reservoirs Induced by the Loess Plateau Geomorphology: A Case Study in Ordos Basin, China. <i>Natural Resources Research</i> , 2020, 29, 1639-1655.	2.2	2
44	Comparison of transient and pseudo-steady diffusion of methane in coal and implications for coalbed methane control. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106543.	2.1	20
45	Geological Control of Fold Structure on Gas Occurrence and Its Implication for Coalbed Gas Outburst: Case Study in the Qinan Coal Mine, Huaibei Coalfield, China. <i>Natural Resources Research</i> , 2020, 29, 1375-1395.	2.2	24
46	Reservoir properties of Chinese tectonic coal: A review. <i>Fuel</i> , 2020, 260, 116350.	3.4	197
47	Surface energy of coal particles under quasi-static compression and dynamic impact based on fractal theory. <i>Fuel</i> , 2020, 264, 116835.	3.4	23
48	Pore morphology characterization and its effect on methane desorption in water-containing coal: An exploratory study on the mechanism of gas migration in water-injected coal seam. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 75, 103152.	2.1	48
49	Characterization of pore structure and the gas diffusion properties of tectonic and intact coal: Implications for lost gas calculation. <i>Chemical Engineering Research and Design</i> , 2020, 135, 12-21.	2.7	40
50	Numerical assessment of the critical factors in determining coal seam permeability based on the field data. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 74, 103098.	2.1	23
51	Analysis of pulverized tectonic coal gas expansion energy in underground mines and its influence on the environment. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1508-1520.	2.7	6
52	New insights into the CH ₄ adsorption capacity of coal based on microscopic pore properties. <i>Fuel</i> , 2020, 262, 116675.	3.4	78
53	Effects of equilibrium time and adsorption models on the characterization of coal pore structures based on statistical analysis of adsorption equilibrium and disequilibrium data. <i>Fuel</i> , 2020, 281, 118770.	3.4	15
54	Asynchronous difference in dynamic characteristics of adsorption swelling and mechanical compression of coal: Modeling and experiments. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 135, 104498.	2.6	43

#	ARTICLE	IF	CITATIONS
55	Establishment of the equivalent structural model for the tectonic coal and some implications for the methane migration. <i>RSC Advances</i> , 2020, 10, 9791-9797.	1.7	7
56	Powder Mass of Coal After Impact Crushing: A New Fractal-Theory-Based Index to Evaluate Rock Firmness. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 4251-4270.	2.6	17
57	Effects of coal pore structure on methane-coal sorption hysteresis: An experimental investigation based on fractal analysis and hysteresis evaluation. <i>Fuel</i> , 2020, 269, 117438.	3.4	42
58	Effects of tectonism on the pore characteristics and methane diffusion coefficient of coal. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	10
59	Experimental investigation of the constant and time-dependent dynamic diffusion coefficient: Implication for CO ₂ injection method. <i>Fuel</i> , 2020, 267, 117283.	3.4	36
60	Model development and analysis of coal permeability based on the equivalent characteristics of dual-porosity structure. <i>Journal of Geophysics and Engineering</i> , 2020, 17, 313-327.	0.7	4
61	Gas transport through coal particles: Matrix-flux controlled or fracture-flux controlled?. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 76, 103216.	2.1	27
62	Evolution of gas transport pattern with the variation of coal particle size: Kinetic model and experiments. <i>Powder Technology</i> , 2020, 367, 336-346.	2.1	18
63	Effect of particle size and adsorption equilibrium time on pore structure characterization in low pressure N ₂ adsorption of coal: An experimental study. <i>Advanced Powder Technology</i> , 2020, 31, 4275-4281.	2.0	49
64	Hydraulic flushing in soft coal sublayer: Gas extraction enhancement mechanism and field application. <i>Energy Science and Engineering</i> , 2019, 7, 1970-1993.	1.9	16
65	Experimental study of the influences of water injections on CBM exploitation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-12.	1.2	2
66	The dual deformation and remodeling of coal powders: implications for obtaining reliable stress-formed coal samples. <i>RSC Advances</i> , 2019, 9, 22004-22010.	1.7	5
67	Cyclic N ₂ injection for enhanced coal seam gas recovery: A laboratory study. <i>Energy</i> , 2019, 188, 116115.	4.5	87
68	Microcrystalline Characterization and Morphological Structure of Tectonic Anthracite Using XRD, Liquid Nitrogen Adsorption, Mercury Porosimetry, and Micro-CT. <i>Energy & Fuels</i> , 2019, 33, 10844-10851.	2.5	37
69	A novel technology for enhancing coalbed methane extraction: Hydraulic cavitating assisted fracturing. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 72, 103040.	2.1	30
70	Influence of Overlying Caprock on Coalbed Methane Migration in the Xutuan Coal Mine, Huaibei Coalfield, China: A Conceptual Analysis on Caprock Sealability. <i>Geofluids</i> , 2019, 2019, 1-17.	0.3	4
71	Time-Dependence of Mechanical Property Alterations on Anthracite Coals Treated by Supercritical Carbon Dioxide. <i>Geofluids</i> , 2019, 2019, 1-9.	0.3	3
72	Effect of Pulverization on the Microporous and Ultramicroporous Structures of Coal Using Low-Pressure CO ₂ Adsorption. <i>Energy & Fuels</i> , 2019, 33, 10611-10621.	2.5	20

#	ARTICLE	IF	CITATIONS
73	Optimal selection of coal seam pressure-relief gas extraction technologies: a typical case of the Panyi Coal Mine, Huainan coalfield, China. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-21.	1.2	7
74	Role of Tectonic Coal in Coal and Gas Outburst Behavior During Coal Mining. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 4619-4635.	2.6	58
75	Pore structure characterization of coal particles via MIP, N ₂ and CO ₂ adsorption: Effect of coalification on nanopores evolution. <i>Powder Technology</i> , 2019, 354, 136-148.	2.1	72
76	Gas diffusion in coal particles: A review of mathematical models and their applications. <i>Fuel</i> , 2019, 252, 77-100.	3.4	214
77	Experimental study of pore structure and fractal characteristics of pulverized intact coal and tectonic coal by low temperature nitrogen adsorption. <i>Powder Technology</i> , 2019, 350, 15-25.	2.1	124
78	Experimental investigation on coal pore and fracture characteristics based on fractal theory. <i>Powder Technology</i> , 2019, 346, 341-349.	2.1	108
79	Enhancement of gas drainage efficiency in a special thick coal seam through hydraulic flushing. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019, 124, 104085.	2.6	51
80	Experimental investigation of CO ₂ injection into coal seam reservoir at in-situ stress conditions for enhanced coalbed methane recovery. <i>Fuel</i> , 2019, 236, 709-716.	3.4	59
81	Experimental Investigation on the Effects of Supercritical Carbon Dioxide on Coal Permeability: Implication for CO ₂ Injection Method. <i>Energy & Fuels</i> , 2019, 33, 503-512.	2.5	17
82	Size effect on uniaxial compressive strength of single coal particle under different failure conditions. <i>Powder Technology</i> , 2019, 345, 169-181.	2.1	33
83	Molecular structure characterization of middle-high rank coal via XRD, Raman and FTIR spectroscopy: Implications for coalification. <i>Fuel</i> , 2019, 239, 559-572.	3.4	257
84	Investigation of the formation mechanism of coal spallation through the cross-coupling relations of multiple physical processes. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 105, 133-144.	2.6	45
85	Master role conversion between diffusion and seepage on coalbed methane production: Implications for adjusting suction pressure on extraction borehole. <i>Fuel</i> , 2018, 223, 373-384.	3.4	45
86	Experimental study on the interactions of supercritical CO ₂ and H ₂ O with anthracite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 214-219.	1.2	4
87	New insights into the permeability-increasing area of overlying coal seams disturbed by the mining of coal. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 49, 352-364.	2.1	43
88	Experimental study of the mechanical properties of intact and tectonic coal via compression of a single particle. <i>Powder Technology</i> , 2018, 325, 412-419.	2.1	51
89	Non-Darcy Flow in Hydraulic Flushing Hole Enlargement-Enhanced Gas Drainage: Does It Really Matter?. <i>Geofluids</i> , 2018, 2018, 1-15.	0.3	6
90	Application of Hydraulic Flushing in Coal Seams To Reduce Hazardous Outbursts in the Mengjin Mine, China. <i>Environmental and Engineering Geoscience</i> , 2018, 24, 425-440.	0.3	22

#	ARTICLE	IF	CITATIONS
91	Experimental investigation into the damage-induced permeability and deformation relationship of tectonically deformed coal from Huainan coalfield, China. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 60, 202-213.	2.1	25
92	An improved method for high efficiency coal mine methane drainage: Theoretical analysis and field verification. <i>Energy Science and Engineering</i> , 2018, 6, 739-748.	1.9	8
93	Architecture, stress state and permeability of a fault zone in Jiulishan coal mine, China: Implication for coal and gas outbursts. <i>International Journal of Coal Geology</i> , 2018, 198, 1-13.	1.9	58
94	Permeability enhancements of borehole outburst cavitation in outburst-prone coal seams. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 111, 12-20.	2.6	16
95	Experimental investigation on the formation and transport mechanism of outburst coal-gas flow: Implications for the role of gas desorption in the development stage of outburst. <i>International Journal of Coal Geology</i> , 2018, 194, 45-58.	1.9	128
96	Characteristics of microscopic pore structure and fractal dimension of bituminous coal by cyclic gas adsorption/desorption: An experimental study. <i>Fuel</i> , 2018, 232, 495-505.	3.4	77
97	Microscale Research on Effective Geosequestration of CO ₂ in Coal Reservoir: A Natural Analogue Study in Haishiwan Coalfield, China. <i>Geofluids</i> , 2018, 2018, 1-12.	0.3	7
98	Effect of moisture on the desorption and unsteady-state diffusion properties of gas in low-rank coal. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 57, 45-51.	2.1	51
99	Analysis of coal permeability rebound and recovery during methane extraction: Implications for carbon dioxide storage capability assessment. <i>Fuel</i> , 2018, 230, 298-307.	3.4	25
100	Effect of silica sol on the sealing mechanism of a coalbed methane reservoir: New insights into enhancing the methane concentration and utilization rate. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 56, 51-61.	2.1	21
101	Model development and simulation study of the feasibility of enhancing gas drainage efficiency through nitrogen injection. <i>Fuel</i> , 2017, 194, 406-422.	3.4	53
102	Interactions between coal seam gas drainage boreholes and the impact of such on borehole patterns. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 38, 597-607.	2.1	39
103	Effect of confining pressure unloading on strength reduction of soft coal in borehole stability analysis. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	41
104	Influence of supercritical CO ₂ on pore structure and functional groups of coal: Implications for CO ₂ sequestration. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 40, 288-298.	2.1	90
105	Reservoir reconstruction technologies for coalbed methane recovery in deep and multiple seams. <i>International Journal of Mining Science and Technology</i> , 2017, 27, 277-284.	4.6	67
106	Apparent and True Diffusion Coefficients of Methane in Coal and Their Relationships with Methane Desorption Capacity. <i>Energy & Fuels</i> , 2017, 31, 2643-2651.	2.5	66
107	Effects of coal rank on physicochemical properties of coal and on methane adsorption. <i>International Journal of Coal Science and Technology</i> , 2017, 4, 129-146.	2.7	58
108	Effects of Supercritical CO ₂ Fluids on Pore Morphology of Coal: Implications for CO ₂ Geological Sequestration. <i>Energy & Fuels</i> , 2017, 31, 4731-4741.	2.5	80

#	ARTICLE	IF	CITATIONS
109	Quantitative investigation on the structural characteristics of thermally metamorphosed coal: evidence from multi-spectral analysis technology. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	11
110	Modeling and experiments for transient diffusion coefficients in the desorption of methane through coal powders. <i>International Journal of Heat and Mass Transfer</i> , 2017, 110, 845-854.	2.5	81
111	Effects of diffusion and suction negative pressure on coalbed methane extraction and a new measure to increase the methane utilization rate. <i>Fuel</i> , 2017, 197, 70-81.	3.4	94
112	A novel in-seam borehole hydraulic flushing gas extraction technology in the heading face: Enhanced permeability mechanism, gas flow characteristics, and application. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 46, 498-514.	2.1	86
113	Mechanical failure mechanisms and forms of normal and deformed coal combination containing gas: Model development and analysis. <i>Engineering Failure Analysis</i> , 2017, 80, 241-252.	1.8	86
114	Numerical assessment of the influences of coal permeability and gas pressure inhomogeneous distributions on gas drainage optimization. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 45, 797-811.	2.1	17
115	Numerical assessment of CMM drainage in the remote unloaded coal body: Insights of geostress-relief gas migration and coal permeability. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 45, 487-501.	2.1	39
116	An analysis of the gas-solid plug flow formation: New insights into the coal failure process during coal and gas outbursts. <i>Powder Technology</i> , 2017, 305, 39-47.	2.1	66
117	Influence of thermal metamorphism on CBM reservoir characteristics of low-rank bituminous coal. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 916-930.	2.1	29
118	Model development and analysis of the evolution of coal permeability under different boundary conditions. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 31, 129-138.	2.1	94
119	Experimental observations of matrix swelling area propagation on permeability evolution using natural and reconstituted samples. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 34, 680-688.	2.1	33
120	Unsteady-State Diffusion of Gas in Coals and Its Relationship with Coal Pore Structure. <i>Energy & Fuels</i> , 2016, 30, 7014-7024.	2.5	49
121	Square-form structure failure model of mining-affected hard rock strata: theoretical derivation, application and verification. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	33
122	Experimental Investigation of Pore Structure Damage in Pulverized Coal: Implications for Methane Adsorption and Diffusion Characteristics. <i>Energy & Fuels</i> , 2016, 30, 10383-10395.	2.5	99
123	Pulverization characteristics of coal from a strong outburst-prone coal seam and their impact on gas desorption and diffusion properties. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 867-878.	2.1	67
124	Role of the rapid gas desorption of coal powders in the development stage of outbursts. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 491-501.	2.1	145
125	Evaluation of the remote lower protective seam mining for coal mine gas control: A typical case study from the Zhuxianzhuang Coal Mine, Huaibei Coalfield, China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 44-55.	2.1	62
126	Experimental Study of Coal and Gas Outbursts Related to Gas-Enriched Areas. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3769-3781.	2.6	99

#	ARTICLE	IF	CITATIONS
127	Gas desorption characteristics of the high-rank intact coal and fractured coal. <i>International Journal of Mining Science and Technology</i> , 2015, 25, 819-825.	4.6	40
128	Definition, theory, methods, and applications of the safe and efficient simultaneous extraction of coal and gas. <i>International Journal of Coal Science and Technology</i> , 2015, 2, 52-65.	2.7	24
129	Effect of Water Invasion on Outburst Predictive Index of Low Rank Coals in Dalong Mine. <i>PLoS ONE</i> , 2015, 10, e0132355.	1.1	15
130	Addressing the CO ₂ emissions of the world's largest coal producer and consumer: Lessons from the Haishiwang Coalfield, China. <i>Energy</i> , 2015, 80, 400-413.	4.5	80
131	A Langmuir-like desorption model for reflecting the inhomogeneous pore structure of coal and its experimental verification. <i>RSC Advances</i> , 2015, 5, 2434-2440.	1.7	15
132	Methane and coal exploitation strategy of highly outburst-prone coal seam configurations. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 23, 63-69.	2.1	41
133	Experimental study on the effect of moisture on low-rank coal adsorption characteristics. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 24, 245-251.	2.1	81
134	CBM drainage engineering challenges and the technology of mining protective coal seam in the Dalong Mine, Tiefa Basin, China. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 24, 412-424.	2.1	53
135	Influence of the injected water on gas outburst disasters in coal mine. <i>Natural Hazards</i> , 2015, 76, 1093-1109.	1.6	41
136	The elimination of coal and gas outburst disasters by long distance lower protective seam mining combined with stress-relief gas extraction in the Huaibei coal mine area. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 27, 346-353.	2.1	59
137	The effect of sedimentary redbeds on coalbed methane occurrence in the Xutuan and Zhaoji Coal Mines, Huaibei Coalfield, China. <i>International Journal of Coal Geology</i> , 2015, 137, 111-123.	1.9	45
138	Impact of pore structure on gas adsorption and diffusion dynamics for long-flame coal. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 22, 203-213.	2.1	103
139	A Mathematical Model of Coupled Gas Flow and Coal Deformation with Gas Diffusion and Klinkenberg Effects. <i>Rock Mechanics and Rock Engineering</i> , 2015, 48, 1163-1180.	2.6	132
140	Numerical assessment of the effect of equilibration time on coal permeability evolution characteristics. <i>Fuel</i> , 2015, 140, 81-89.	3.4	86
141	Effects of Igneous Intrusion on Microporosity and Gas Adsorption Capacity of Coals in the Haizi Mine, China. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	0.8	8
142	A new effective method and new materials for high sealing performance of cross-measure CMM drainage boreholes. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 805-813.	2.1	49
143	The impact of faults on the occurrence of coal bed methane in Renlou coal mine, Huaibei coalfield, China. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 17, 151-158.	2.1	43
144	Measurement of pressure drop in drainage boreholes and its effects on the performance of coal seam gas extraction: a case study in the Julishan Mine with strong coal and gas outburst dangers. <i>Natural Hazards</i> , 2014, 71, 1475-1493.	1.6	23

#	ARTICLE	IF	CITATIONS
145	Impact of Effective Stress and Matrix Deformation on the Coal Fracture Permeability. <i>Transport in Porous Media</i> , 2014, 103, 99-115.	1.2	105
146	Effect of bedding structural diversity of coal on permeability evolution and gas disasters control with coal mining. <i>Natural Hazards</i> , 2014, 73, 531-546.	1.6	49
147	Gas ejection accident analysis in bed splitting under igneous sills and the associated control technologies: a case study in the Yangliu Mine, Huaibei Coalfield, China. <i>Natural Hazards</i> , 2014, 71, 109-134.	1.6	28
148	The elimination of coal and gas outburst disasters by ultrathin protective seam drilling combined with stress-relief gas drainage in Xinggong coalfield. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 837-844.	2.1	39
149	Research on comprehensive CBM extraction technology and its applications in China's coal mines. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 20, 200-207.	2.1	65
150	Permeability distribution characteristics of protected coal seams during unloading of the coal body. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2014, 71, 105-116.	2.6	69
151	CMM capture engineering challenges and characteristics of in-situ stress distribution in deep level of Huainan coalfield. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 20, 328-336.	2.1	47
152	Methane drainage and utilization in coal mines with strong coal and gas outburst dangers: A case study in Luling mine, China. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 20, 357-365.	2.1	68
153	Influence of Coalification on the Pore Characteristics of Middleâ€“High Rank Coal. <i>Energy & Fuels</i> , 2014, 28, 5729-5736.	2.5	140
154	Application of in-seam directional drilling technology for gas drainage with benefits to gas outburst control and greenhouse gas reductions in Daning coal mine, China. <i>Natural Hazards</i> , 2014, 73, 1419-1437.	1.6	43
155	A sequential approach to control gas for the extraction of multi-gassy coal seams from traditional gas well drainage to mining-induced stress relief. <i>Applied Energy</i> , 2014, 131, 67-78.	5.1	111
156	Effect of Adsorption Contact Time on Coking Coal Particle Desorption Characteristics. <i>Energy & Fuels</i> , 2014, 28, 2287-2296.	2.5	54
157	Experiments on the effects of igneous sills on the physical properties of coal and gas occurrence. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 19, 98-104.	2.1	26
158	Gas outburst disasters and the mining technology of key protective seam in coal seam group in the Huainan coalfield. <i>Natural Hazards</i> , 2013, 67, 763-782.	1.6	104
159	A fractal theory based fractional diffusion model used for the fast desorption process of methane in coal. <i>Chaos</i> , 2013, 23, 033111.	1.0	27
160	Characteristics of mining gas channel expansion in the remote overlying strata and its control of gas flow. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 481-487.	4.6	13
161	Characteristics and dominant controlling factors of gas outburst in Huaibei coalfield and its countermeasures. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 591-596.	4.6	22
162	Component fractionation of temporal evolution in adsorptionâ€“desorption for binary gas mixtures on coals from Haishiwan Coal Mine. <i>International Journal of Mining Science and Technology</i> , 2013, 23, 201-205.	4.6	3

#	ARTICLE	IF	CITATIONS
163	Permeability Prediction in Deep Coal Seam: A Case Study on the No. 3 Coal Seam of the Southern Qinshui Basin in China. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	0.8	21
164	Effect of magma intrusion on the occurrence of coal gas in the Wolonghu coalfield. <i>Mining Science and Technology</i> , 2011, 21, 737-741.	0.3	4
165	Sponge Effect on Coal Mine Methane Separation Based on Clathrate Hydrate Method. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 610-614.	1.7	5
166	Fissure evolution and evaluation of pressure-relief gas drainage in the exploitation of super-remote protected seams. <i>Mining Science and Technology</i> , 2010, 20, 178-182.	0.3	5
167	CO ₂ isothermal adsorption models of coal in the Haishiwan Coalfield. <i>Mining Science and Technology</i> , 2010, 20, 281-285.	0.3	3
168	\hat{P} index with different gas compositions for instantaneous outburst prediction in coal mines. <i>Mining Science and Technology</i> , 2010, 20, 723-726.	0.3	7
169	Stress evolution and coal seam deformation through the mining of a remote upper protective layer. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-11.	1.2	7