List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Laboratory Characterization of Shale Oil Storage Behavior: A Comprehensive Review. Energy & Fuels, 2021, 35, 7305-7318.	5.1	29
2	Enhancing biogenic methane generation in coalbed methane reservoirs – Core flooding experiments on coals at in-situ conditions. International Journal of Coal Geology, 2020, 219, 103377.	5.0	28
3	CH4, CO2, N2 diffusion in Bowen Basin (Australia) coal: relationship between sorption kinetics of coal core and crushed coal particles. Journal of Natural Gas Science and Engineering, 2020, 81, 103468.	4.4	22
4	Gas breakthrough pressure of tight rocks: A review of experimental methods and data. Journal of Natural Gas Science and Engineering, 2020, 81, 103408.	4.4	40
5	Apparent gas permeability behaviour in the near critical region for real gases. Journal of Natural Gas Science and Engineering, 2020, 77, 103245.	4.4	13
6	Water flow behaviour in nanochannels: the surface-force effect and slip length. SN Applied Sciences, 2019, 1, 1.	2.9	4
7	Laboratory characterisation of fracture compressibility for coal and shale gas reservoir rocks: A review. International Journal of Coal Geology, 2019, 204, 1-17.	5.0	111
8	Pore connectivity and water accessibility in Upper Permian transitional shales, southern China. Marine and Petroleum Geology, 2019, 107, 407-422.	3.3	31
9	Characterisation of Reservoir Pressure and Temperature Impact on Diffusion Behaviour of Beetaloo Basin Shales. , 2019, , .		0
10	The variation in produced gas composition from mixed gas coal seam reservoirs. International Journal of Coal Geology, 2019, 201, 62-75.	5.0	7
11	Evaluation of Conservative Tracers for Coal Seam Reservoirs. , 2019, , .		1
12	Laboratory study of proppant on shale fracture permeability and compressibility. Fuel, 2018, 222, 83-97.	6.4	81
13	Evaluation of gas production from multiple coal seams: A simulation study and economics. International Journal of Mining Science and Technology, 2018, 28, 359-371.	10.3	55
14	Experimental study of permeability behaviour for proppant supported coal fracture. Journal of Natural Gas Science and Engineering, 2018, 51, 18-26.	4.4	46
15	CO ₂ storage in coal to enhance coalbed methane recovery: a review of field experiments in China. International Geology Review, 2018, 60, 754-776.	2.1	122
16	Evolution of shale apparent permeability under variable boundary conditions. Fuel, 2018, 215, 46-56.	6.4	32
17	Laboratory Study of Anisotropic Permeability of Tight Sandstone and Shale from Cooper Basin, Australia. , 2018, , .		0
18	Controls on methane sorption capacity of Mesoproterozoic gas shales from the Beetaloo Sub-basin, Australia and global shales. International Journal of Coal Geology, 2018, 199, 65-90.	5.0	41

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19	Hydraulic Fracturing Treatment of Low-Permeability Coal Seam Gas Reservoirs with Finely Layered Coals. , 2018, , .		0
20	Controls on CH4 Adsorption on Shales: Characterisation of Beetaloo Sub-Basin Gas Shales and Comparison to Global Shales. , 2018, , .		2
21	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part II: Permeability. Fuel, 2018, 230, 397-409.	6.4	63
22	A model for hydraulic fracture growth across multiple elastic layers. Journal of Petroleum Science and Engineering, 2018, 167, 918-928.	4.2	22
23	Experimental study of impact of anisotropy and heterogeneity on gas flow in coal. Part I: Diffusion and adsorption. Fuel, 2018, 232, 444-453.	6.4	54
24	Predictions of fracture growth in Walloon coals using a layer fracture model. APPEA Journal, 2018, 58, 765.	0.2	1
25	Experimental study of permeability and its anisotropy for shale fracture supported with proppant. Journal of Natural Gas Science and Engineering, 2017, 44, 250-264.	4.4	94
26	A pseudo-3D model for hydraulic fracture growth in a layered rock. International Journal of Solids and Structures, 2017, 115-116, 208-223.	2.7	27
27	Characterisation of creep in coal and its impact on permeability: An experimental study. International Journal of Coal Geology, 2017, 173, 200-211.	5.0	55
28	Laboratory measurement of low permeability unconventional gas reservoir rocks: A review of experimental methods. Journal of Natural Gas Science and Engineering, 2017, 37, 248-279.	4.4	225
29	Nitrogen enhanced drainage of CO 2 rich coal seams for mining. International Journal of Mining Science and Technology, 2017, 27, 755-761.	10.3	11
30	A coupled, non-isothermal gas shale flow model: Application to evaluation of gas-in-place in shale with core samples. Journal of Petroleum Science and Engineering, 2017, 158, 361-379.	4.2	15
31	Three-phase non-isothermal flow behavior of CO 2 -brine leakage from wellbores. International Journal of Greenhouse Gas Control, 2017, 64, 183-193.	4.6	17
32	Impact of coal matrix strains on the evolution of permeability. Fuel, 2017, 189, 270-283.	6.4	66
33	A New Method for the Estimation of Lost Gas During the Measurement of the Gas Content of Coal. SPE Reservoir Evaluation and Engineering, 2017, 20, 627-638.	1.8	11
34	Experimental study of anisotropic gas permeability and its relationship with fracture structure of Longmaxi Shales, Sichuan Basin, China. Fuel, 2016, 180, 106-115.	6.4	157
35	Impact of creep on the evolution of coal permeability and gas drainage performance. Journal of Natural Gas Science and Engineering, 2016, 33, 469-482.	4.4	69
36	Experimental Investigation of Gas Diffusion in Coal – Comparison Between Crushed and Intact Core Samples. , 2016, , .		2

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37	A new interpretation of the response of coal permeability to changes in pore pressure, stress and matrix shrinkage. International Journal of Coal Geology, 2016, 162, 169-182.	5.0	75
38	Coal failure during primary and enhanced coalbed methane production — Theory and approximate analyses. International Journal of Coal Geology, 2016, 154-155, 275-285.	5.0	26
39	Laboratory characterisation of coal matrix shrinkage, cleat compressibility and the geomechanical properties determining reservoir permeability. Fuel, 2016, 165, 499-512.	6.4	116
40	Measurement of Shale Anisotropic Permeability and Its Impact on Shale Gas Production. , 2015, , .		12
41	A New Method for the Estimation of Lost Gas During the Measurement of the Gas Content of Coal. , 2015, , .		1
42	Reservoir simulation of free and adsorbed gas production from shale. Journal of Natural Gas Science and Engineering, 2015, 22, 359-370.	4.4	132
43	An experimental investigation of diffusivity and porosity anisotropy of a Chinese gas shale. Journal of Natural Gas Science and Engineering, 2015, 23, 70-79.	4.4	71
44	Measuring anisotropic permeability using a cubic shale sample in a triaxial cell. Journal of Natural Gas Science and Engineering, 2015, 26, 336-344.	4.4	149
45	An investigation into the integrity of wellbore cement in CO2 storage wells: Core flooding experiments and simulations. International Journal of Greenhouse Gas Control, 2015, 37, 424-440.	4.6	27
46	A sequential model of shale gas transport under the influence of fully coupled multiple processes. Journal of Natural Gas Science and Engineering, 2015, 27, 808-821.	4.4	51
47	Stimulating methane generation within coal seam reservoirs. APPEA Journal, 2015, 55, 441.	0.2	0
48	Core flooding experiments of CO2 enhanced coalbed methane recovery. International Journal of Coal Geology, 2014, 131, 113-125.	5.0	46
49	Effects of Pressure and Temperature on Gas Diffusion and Flow for Primary and Enhanced Coalbed Methane Recovery. Energy Exploration and Exploitation, 2014, 32, 601-619.	2.3	60
50	Benchmark assessment of coal permeability models on the accuracy of permeability prediction. Fuel, 2014, 132, 194-203.	6.4	27
51	Impact of matrix swelling area propagation on the evolution of coal permeability under coupled multiple processes. Journal of Natural Gas Science and Engineering, 2014, 18, 451-466.	4.4	48
52	Experimental study and modelling of methane adsorption and diffusion in shale. Fuel, 2014, 117, 509-519.	6.4	362
53	The transient behaviour of CO 2 flow with phase transition in injection wells during geological storage $\hat{a} \in Application$ to a case study. Journal of Petroleum Science and Engineering, 2014, 124, 7-18.	4.2	39
54	A probabilistic assessment of enhanced coal mine methane drainage (ECMM) as a fugitive emission reduction strategy for open cut coal mines. International Journal of Coal Geology, 2014, 131, 288-303.	5.0	9

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55	Experimental Investigation of Interactions between Water and a Lower Silurian Chinese Shale. Energy & Fuels, 2014, 28, 4925-4933.	5.1	77
56	Why coal permeability changes under free swellings: New insights. International Journal of Coal Geology, 2014, 133, 35-46.	5.0	94
57	Transient, thermal wellbore flow of multispecies carbon dioxide mixtures with phase transition during geological storage. International Journal of Multiphase Flow, 2014, 63, 82-92.	3.4	41
58	Description of a CO2 enhanced coal bed methane field trial using a multi-lateral horizontal well. International Journal of Greenhouse Gas Control, 2014, 26, 204-219.	4.6	30
59	An improved relative permeability model for coal reservoirs. International Journal of Coal Geology, 2013, 109-110, 45-57.	5.0	125
60	CO2 Injectivity in a Multi-lateral Horizontal Well in a Low Permeability Coal Seam: Results from a Field Trial. Energy Procedia, 2013, 37, 5834-5841.	1.8	14
61	Description of a CO2 Enhanced Coal Bed Methane Field Trial Using a Multi-Lateral Horizontal Well. Energy Procedia, 2013, 37, 6760-6768.	1.8	9
62	Laboratory and Modeling Study on Gas Diffusion with Pore Structures in Different-Rank Chinese Coals. Energy Exploration and Exploitation, 2013, 31, 859-877.	2.3	13
63	Characterisation of Bowen Basin Coal Shrinkage and Geomechanical Properties and Their Influence on Reservoir Permeability. , 2013, , .		4
64	Laboratory Study of Gas Permeability and Cleat Compressibility for CBM/ECBM in Chinese Coals. Energy Exploration and Exploitation, 2012, 30, 451-476.	2.3	60
65	Modeling and Simulation of Moisture Effect on Gas Storage and Transport in Coal Seams. Energy & Fuels, 2012, 26, 1695-1706.	5.1	73
66	Characteristic of anisotropic coal permeability and its impact on optimal design of multi-lateral well for coalbed methane production. Journal of Petroleum Science and Engineering, 2012, 88-89, 13-28.	4.2	70
67	Observations from an enhanced gas recovery field trial for coal mine gas management. International Journal of Coal Geology, 2012, 100, 82-92.	5.0	36
68	Methodology for the economic assessment of enhanced coal mine methane drainage (ECMM) as a fugitive emissions reduction strategy. International Journal of Greenhouse Gas Control, 2012, 8, 34-44.	4.6	8
69	Influence of the effective stress coefficient and sorption-induced strain on the evolution of coal permeability: Model development and analysis. International Journal of Greenhouse Gas Control, 2012, 8, 101-110.	4.6	136
70	Complex evolution of coal permeability during CO2 injection under variable temperatures. International Journal of Greenhouse Gas Control, 2012, 9, 281-293.	4.6	82
71	Modelling permeability for coal reservoirs: A review of analytical models and testing data. International Journal of Coal Geology, 2012, 92, 1-44.	5.0	646
72	Effect of the effective stress coefficient and sorption-induced strain on the evolution of coal permeability: Experimental observations. International Journal of Greenhouse Gas Control, 2011, 5, 1284-1293.	4.6	143

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73	A fully coupled gas flow, coal deformation and thermal transport model for the injection of carbon dioxide into coal seams. , 2011, , 69-93.		1
74	A Statistical Representation of the Matrix–Fracture Transfer Function for Porous Media. Transport in Porous Media, 2011, 86, 777-803.	2.6	14
75	Coal swelling strain and permeability change with injecting liquid/supercritical CO2 and N2 at stress-constrained conditions. International Journal of Coal Geology, 2011, 85, 56-64.	5.0	111
76	Modelling of anisotropic coal swelling and its impact on permeability behaviour for primary and enhanced coalbed methane recovery. International Journal of Coal Geology, 2011, 85, 257-267.	5.0	212
77	History matching of enhanced coal bed methane laboratory core flood tests. International Journal of Coal Geology, 2011, 87, 128-138.	5.0	70
78	Methodology to determine the economics of CO2 storage in coal seams with enhanced coalbed methane recovery. Energy Procedia, 2011, 4, 2129-2136.	1.8	8
79	Reservoir simulation study of CO2 storage in formations containing both aquifers and coal seams. Energy Procedia, 2011, 4, 3095-3102.	1.8	8
80	Impact of coal seam as interlayer on CO2 storage in saline aquifers: A reservoir simulation study. International Journal of Greenhouse Gas Control, 2011, 5, 99-114.	4.6	27
81	Coalbed Methane Production: Why Coal Permeability Matters. , 2010, , .		2
82	Coal Permeability and Its Behaviour with Gas Desorption, Pressure and Stress. , 2010, , .		12
83	Dual Porosity Processes in Coal Seam Reservoirs: The Effect of Heterogeneity of Coal Matrices. , 2010, ,		4
84	The water balance and water sources of a Eucalyptus plantation over shallow saline groundwater. Plant and Soil, 2010, 332, 429-449.	3.7	39
85	Effects of matrix moisture on gas diffusion and flow in coal. Fuel, 2010, 89, 3207-3217.	6.4	428
86	Dual poroelastic response of a coal seam to CO2 injection. International Journal of Greenhouse Gas Control, 2010, 4, 668-678.	4.6	193
87	Laboratory characterisation of coal reservoir permeability for primary and enhanced coalbed methane recovery. International Journal of Coal Geology, 2010, 82, 252-261.	5.0	410
88	Impact of CO2 injection and differential deformation on CO2 injectivity under in-situ stress conditions. International Journal of Coal Geology, 2010, 81, 97-108.	5.0	93
89	An analytical coal permeability model for tri-axial strain and stress conditions. International Journal of Coal Geology, 2010, 84, 103-114.	5.0	303
90	Impact of thermal processes on CO2 injectivity into a coal seam. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012090.	0.6	7

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91	Comparison of adsorption models in reservoir simulation of enhanced coalbed methane recovery and CO2 sequestration in coal. International Journal of Greenhouse Gas Control, 2009, 3, 77-89.	4.6	68
92	Coupled flow and geomechanical processes during enhanced coal seam methane recovery through CO2 sequestration. International Journal of Coal Geology, 2009, 77, 222-233.	5.0	112
93	Coupled flow and geomechanical processes during gas production from coal seams. International Journal of Coal Geology, 2009, 79, 18-28.	5.0	156
94	Non-isothermal flow of carbon dioxide in injection wells during geological storage. International Journal of Greenhouse Gas Control, 2008, 2, 248-258.	4.6	86
95	The role of spatial variability in coal seam parameters on gas outburst behaviour during coal mining. International Journal of Coal Geology, 2008, 75, 1-14.	5.0	166
96	A model for the flow of gas mixtures in adsorption dominated dual-porosity reservoirs incorporating multi-component matrix diffusion—Part II numerical algorithm and application examples. Journal of Petroleum Science and Engineering, 2008, 62, 93-101.	4.2	10
97	Numerical Modeling of Pressure and Temperature Profiles Including Phase Transitions in Carbon Dioxide Wells. , 2008, , .		49
98	Impact of Effective Stress and CH4-CO2 Counter-Diffusion on CO2 Enhanced Coalbed Methane Recovery. , 2008, , .		1
99	Simple models for subsurface solute transport that combine unsaturated and saturated zone pathways. Journal of Hydrology, 2007, 332, 361-373.	5.4	10
100	Unsaturated flow and solute transport through the Chalk: Tracer test and dual permeability modelling. Journal of Hydrology, 2007, 342, 157-172.	5.4	31
101	A model for the flow of gas mixtures in adsorption dominated dual porosity reservoirs incorporating multi-component matrix diffusion. Journal of Petroleum Science and Engineering, 2007, 59, 17-26.	4.2	30
102	A dual-porosity model for gas reservoir flow incorporating adsorption behaviour—part I. Theoretical development and asymptotic analyses. Transport in Porous Media, 2007, 68, 153-173.	2.6	58
103	A dual-porosity model for gas reservoir flow incorporating adsorption behaviour—Part II. Numerical algorithm and example applications. Transport in Porous Media, 2007, 69, 139-158.	2.6	14
104	A theoretical model for gas adsorption-induced coal swelling. International Journal of Coal Geology, 2007, 69, 243-252.	5.0	474
105	A Multi-Component Dual-Porosity Model for Gas Reservoir Flow With Adsorption Behaviour. , 2006, , .		1
106	A Note on the Characteristic Length/Time of Dual-Porosity Models for Geologically Fractured Media. Key Engineering Materials, 2006, 312, 263-268.	0.4	2
107	Baymod. , 2005, , 315-336.		0
108	A quantitative approach to aquifer vulnerability mapping. Journal of Hydrology, 2003, 276, 71-88.	5.4	59

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109	Constraints on sustainable development of arsenic-bearing aquifers in southern Bangladesh. Part 2: Preliminary models of arsenic variability in pumped groundwater. Geological Society Special Publication, 2002, 193, 165-179.	1.3	9
110	A simple analytical solution for unsaturated solute migration under dynamic water movement conditions and root zone effects. Geological Society Special Publication, 2002, 193, 255-264.	1.3	3
111	Modeling flow and transport in irrigation catchments: 1. Development and testing of subcatchment model. Water Resources Research, 2001, 37, 949-963.	4.2	8
112	Modeling flow and transport in irrigation catchments: 2. Spatial application of subcatchment model. Water Resources Research, 2001, 37, 965-977.	4.2	9
113	Border Irrigation Field Experiment. I: Water Balance. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 85-91.	1.0	10
114	Border Irrigation Field Experiment. II: Salt Transport. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 92-97.	1.0	10
115	Optimal management of water movement in irrigation bays. Environmental Modelling and Software, 1998, 14, 171-179.	4.5	4
116	A Quasi-Analytical Model for Soil Solute Movement under Plant Water Use. Soil Science Society of America Journal, 1996, 60, 1350-1355.	2.2	4
117	An analysis of perturbation based methods for the treatment of parameter uncertainty in numerical groundwater models. Transport in Porous Media, 1995, 21, 225-240.	2.6	5
118	Simulation of salt migration in an oil shale dump subject to natural rainfall. Fuel, 1994, 73, 1617-1623.	6.4	1
119	Modeling moisture movement in revegetating waste heaps: 1. Development of a finite element model for liquid and vapor transport. Water Resources Research, 1993, 29, 1435-1443.	4.2	7
120	Moisture movement in spent oil shale waste dumps. Fuel, 1990, 69, 1091-1094.	6.4	0
121	A Multicomponent Dual-Porosity Model for Gas Reservoir Flow With Adsorption Behaviour. , 0, , .		0