

Shangwen Zhou

List of Publications by Year in descending order

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papers

1,303
citations

516215

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docs citations

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times ranked

899
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of supercritical methane adsorption in Longmaxi shale: Insights into the density of adsorbed methane. <i>Fuel</i> , 2018, 211, 140-148.	3.4	185
2	2D and 3D nanopore characterization of gas shale in Longmaxi formation based on FIB-SEM. <i>Marine and Petroleum Geology</i> , 2016, 73, 174-180.	1.5	179
3	Shale gas transport model in 3D fractal porous media with variable pore sizes. <i>Marine and Petroleum Geology</i> , 2018, 98, 437-447.	1.5	122
4	A simple permeability model for shale gas and key insights on relative importance of various transport mechanisms. <i>Fuel</i> , 2019, 252, 210-219.	3.4	89
5	High-pressure methane adsorption behavior on deep shales: Experiments and modeling. <i>Physics of Fluids</i> , 2021, 33, .	1.6	80
6	Experimental study and isotherm models of water vapor adsorption in shale rocks. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 52, 484-491.	2.1	65
7	Investigation of methane adsorption mechanism on Longmaxi shale by combining the micropore filling and monolayer coverage theories. <i>Advances in Geo-Energy Research</i> , 2018, 2, 269-281.	3.1	62
8	A modified BET equation to investigate supercritical methane adsorption mechanisms in shale. <i>Marine and Petroleum Geology</i> , 2019, 105, 284-292.	1.5	55
9	Gas transport behaviors in shale nanopores based on multiple mechanisms and macroscale modeling. <i>International Journal of Heat and Mass Transfer</i> , 2018, 125, 845-857.	2.5	48
10	Effects of hydration on the microstructure and physical properties of shale. <i>Petroleum Exploration and Development</i> , 2018, 45, 1146-1153.	3.0	39
11	Insights into NMR response characteristics of shales and its application in shale gas reservoir evaluation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103674.	2.1	37
12	Sedimentology and geochemistry of Carboniferous-Permian marine-continental transitional shales in the eastern Ordos Basin, North China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 571, 110389.	1.0	36
13	Characterization of the reservoir in Lower Silurian and Lower Cambrian shale of south Sichuan Basin, China. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 150-159.	2.1	27
14	Experimental and Fractal Characterization of the Microstructure of Shales from Sichuan Basin, China. <i>Energy & Fuels</i> , 2021, 35, 3899-3914.	2.5	25
15	Geochemical anomalies in the Lower Silurian shale gas from the Sichuan Basin, China: Insights from a Rayleigh-type fractionation model. <i>Organic Geochemistry</i> , 2020, 142, 103981.	0.9	22
16	Study on mechanical characteristics and damage mechanism of the Longmaxi Formation shale in southern Sichuan Basin, China. <i>Energy Exploration and Exploitation</i> , 2020, 38, 454-472.	1.1	21
17	Investigation of the isosteric heat of adsorption for supercritical methane on shale under high pressure. <i>Adsorption Science and Technology</i> , 2019, 37, 590-606.	1.5	17
18	Controlling Factor Analysis of Microstructural Property and Storage Capacity of Deep Longmaxi Formation Shale in Sichuan Basin. <i>Energy & Fuels</i> , 2021, 35, 20092-20102.	2.5	17

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19	Impacts of gas properties and transport mechanisms on the permeability of shale at pore and core scale. <i>Energy</i> , 2022, 244, 122707.	4.5	17
20	Analysis method of pulse decay tests for dual-porosity cores. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 59, 274-286.	2.1	16
21	Lower threshold of pore-throat diameter for the shale gas reservoir: Experimental and molecular simulation study. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 1037-1046.	2.1	14
22	Energy Calculation and Simulation of Methane Adsorbed by Coal with Different Metamorphic Grades. <i>ACS Omega</i> , 2020, 5, 14976-14989.	1.6	14
23	Comprehensive characterization and evaluation of deep shales from Wufeng-Longmaxi Formation by LF-NMR technology. <i>Unconventional Resources</i> , 2022, 2, 1-11.	2.0	14
24	A comparative study of the nanopore structure characteristics of coals and Longmaxi shales in China. <i>Energy Science and Engineering</i> , 2019, 7, 2768-2781.	1.9	12
25	Pore Characteristics and Methane Adsorption Capacity of Different Lithofacies of the Wufeng Formation—Longmaxi Formation Shales, Southern Sichuan Basin. <i>Energy & Fuels</i> , 2020, 34, 8046-8062.	2.5	12
26	Optimization of key parameters for porosity measurement of shale gas reservoirs. <i>Natural Gas Industry B</i> , 2021, 8, 455-463.	1.4	11
27	Adsorption characteristics and controlling factors of marine deep shale gas in southern Sichuan Basin, China. <i>Journal of Natural Gas Geoscience</i> , 2022, 7, 61-72.	0.6	9
28	Shale favorable area optimization in coal-bearing series: A case study from the Shanxi Formation in Northern Ordos Basin, China. <i>Energy Exploration and Exploitation</i> , 2018, 36, 1295-1309.	1.1	8
29	Graptolite—Derived Organic Matter and Pore Characteristics in the Wufeng—Longmaxi Black Shale of the Sichuan Basin and its Periphery. <i>Acta Geologica Sinica</i> , 2019, 93, 982-995.	0.8	7
30	Reservoir heterogeneity of the Longmaxi Formation and its significance for shale gas enrichment. <i>Energy Science and Engineering</i> , 2020, 8, 4229-4249.	1.9	7
31	Pore Systems of the Different Lithofacies of the Longmaxi Formation at Depths Exceeding 3500 m in the Zigong Area, Sichuan Basin. <i>Energy & Fuels</i> , 2020, 34, 5733-5752.	2.5	7
32	FRactal Models for Gas—Water Transport in Shale Porous Media Considering Wetting Characteristics. <i>Fractals</i> , 2020, 28, 2050138.	1.8	5
33	Clarifying the Effect of Clay Minerals on Methane Adsorption Capacity of Marine Shales in Sichuan Basin, China. <i>Energies</i> , 2021, 14, 6836.	1.6	5
34	Paleoenvironment and Organic Matter Accumulation Mechanism of Marine—Continental Transitional Shales: Outcrop Characterizations of the Carboniferous—Permian Strata, Ordos Basin, North China. <i>Energies</i> , 2021, 14, 7445.	1.6	5
35	High-Pressure Methane Adsorption in Shale. , 2019, , 247-258.		3
36	Evaluation of the Accumulation Conditions and Favorable Areas of Shale Gas in the Upper Palaeozoic Marine-Continental Transitional Facies in the Daning-Jixian Area, Ordos Basin. <i>Geofluids</i> , 2022, 2022, 1-16.	0.3	3

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37	A Comparative Study of the Micropore Structure between the Transitional and Marine Shales in China. <i>Geofluids</i> , 2021, 2021, 1-14.	0.3	2
38	Pore Structures of the Lower Permian Taiyuan Shale and Limestone in the Ordos Basin and the Significance to Unconventional Natural Gas Generation and Storage. <i>Geofluids</i> , 2022, 2022, 1-16.	0.3	2
39	Apparent Diffusion Coefficient of Gas in Shale Reservoirs and Insights into Its Diffusion Behavior: A Modeling and Experimental Study. <i>Energy & Fuels</i> , 2021, 35, 13065-13076.	2.5	1
40	A new fractal apparent permeability model for liquid flow in tortuous nanopores from lattice Boltzmann simulations to theoretical model. <i>Fractals</i> , 0, , .	1.8	0