

Jinze Xu

List of Publications by Year in descending order

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46
papers

1,254
citations

567247

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434170

31
g-index

47
all docs

47
docs citations

47
times ranked

925
citing authors

#	ARTICLE	IF	CITATIONS
1	Wettability effect on nanoconfined water flow. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3358-3363.	7.1	407
2	Flow behavior of gas confined in nanoporous shale at high pressure: Real gas effect. Fuel, 2017, 205, 173-183.	6.4	146
3	Real gas transport in shale matrix with fractal structures. Fuel, 2018, 219, 353-363.	6.4	61
4	Effect of water saturation on gas slippage in tight rocks. Fuel, 2018, 225, 519-532.	6.4	53
5	Real gas transport in tapered noncircular nanopores of shale rocks. AIChE Journal, 2017, 63, 3224-3242.	3.6	44
6	Nanoconfinement Effect on <i>n</i> -Alkane Flow. Journal of Physical Chemistry C, 2019, 123, 16456-16461.	3.1	43
7	Manipulating the Flow of Nanoconfined Water by Temperature Stimulation. Angewandte Chemie - International Edition, 2018, 57, 8432-8437.	13.8	41
8	NANOSCALE PORE SIZE DISTRIBUTION EFFECTS ON GAS PRODUCTION FROM FRACTAL SHALE ROCKS. Fractals, 2019, 27, 1950142.	3.7	41
9	Effect of water saturation on gas slippage in circular and angular pores. AIChE Journal, 2018, 64, 3529-3541.	3.6	36
10	Gas Selection for Huff-n-Puff EOR in Shale Oil Reservoirs Based upon Experimental and Numerical Study. , 2017, , .		34
11	A Model for Gas Transport in Dual-Porosity Shale Rocks with Fractal Structures. Industrial & Engineering Chemistry Research, 2018, 57, 6530-6537.	3.7	32
12	A fractal model for gas-water relative permeability curve in shale rocks. Journal of Natural Gas Science and Engineering, 2020, 81, 103417.	4.4	28
13	Effect of Fracture Geometry on Well Production in Hydraulic-Fractured Tight Oil Reservoirs. Journal of Canadian Petroleum Technology, 2015, 54, 183-194.	2.3	27
14	Ultrahigh Water Flow Enhancement by Optimizing Nanopore Chemistry and Geometry. Langmuir, 2019, 35, 8867-8873.	3.5	26
15	Impacts of pore size distribution on gas injection in intraformational water zones in oil sands reservoirs. Oil and Gas Science and Technology, 2020, 75, 75.	1.4	22
16	Nanoscale Free Gas Transport in Shale Rocks: A Hard-Sphere Based Model. , 2017, , .		19
17	Roles of multicomponent adsorption and geomechanics in the development of an Eagle Ford shale condensate reservoir. Fuel, 2019, 242, 710-718.	6.4	18
18	Effects of Lean Zones on Steam-Assisted Gravity Drainage Performance. Energies, 2017, 10, 471.	3.1	16

#	ARTICLE	IF	CITATIONS
19	Fractal Characteristics of Lacustrine Tight Carbonate Nanoscale Reservoirs. <i>Energy & Fuels</i> , 2018, 32, 107-118.	5.1	16
20	On the flow regime model for fast estimation of tight sandstone gas apparent permeability in high-pressure reservoirs. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-12.	2.3	16
21	On the Negative Excess Isotherms for Methane Adsorption at High Pressure: Modeling and Experiment. <i>SPE Journal</i> , 2019, 24, 2504-2525.	3.1	12
22	Modeling of Methane/Shale Excess Adsorption Under Reservoir Conditions. <i>SPE Reservoir Evaluation and Engineering</i> , 2018, 21, 1027-1034.	1.8	11
23	A semi-analytical model for horizontal-well productivity in shale gas reservoirs: Coupling of multi-scale seepage and matrix shrinkage. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107869.	4.2	10
24	Study on the P-S-N Curve of Sucker Rod Based on Three-Parameter Weibull Distribution. <i>Materials</i> , 2022, 15, 560.	2.9	10
25	Numerical Study of the Effects of Lean Zones on SAGD Performance in Periodically Heterogeneous Media. , 2014, , .		9
26	Numerical Thermal Simulation and Optimization of Hybrid CSS/SAGD Process in Long Lake with Lean Zones. , 2014, , .		8
27	Manipulating the Flow of Nanoconfined Water by Temperature Stimulation. <i>Angewandte Chemie</i> , 2018, 130, 8568-8573.	2.0	8
28	Case study of sandbody architecture and quantitative parameters of the far-source sandy braided river: Saertu Oilfield, Daqing, China. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106249.	4.2	7
29	Shale gas transport in wedged nanopores with water films. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 66, 217-232.	4.4	7
30	Study on the Seepage Force-Induced Stress and Poroelastic Stress by Flow Through Porous Media Around a Vertical Wellbore. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	2.2	7
31	An analytical model for water-oil two-phase flow in inorganic nanopores in shale oil reservoirs. <i>Petroleum Science</i> , 2021, 18, 1776-1787.	4.9	7
32	A Universal Model of Water Flow Through Nanopores in Unconventional Reservoirs: Relationships Between Slip, Wettability and Viscosity. , 2016, , .		6
33	Gas Transport in Shale Nanopores with Mobile High-Viscosity Water Film. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11219-11228.	3.7	6
34	A simulation-based method to determine the coefficient of hyperbolic decline curve for tight oil production. <i>Advances in Geo-Energy Research</i> , 2019, 3, 375-380.	6.0	4
35	Review of Marginal Oil Resources in Highly Depleted Reservoirs. <i>Processes</i> , 2022, 10, 245.	2.8	3
36	Geo-Mechanics of a Sugar-Cube Box: Cyclic Injection and Production in a Fractured Carbonate at the Saleski Pilot. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	Understanding Impacts of Lean Zones on Thermal Recovery in View of Mobile Water. , 2016, , .		2
38	Volume Effects on Methane-Shale Adsorption under Reservoir Conditions. , 2016, , .		2
39	An improved analytical model for low-salinity waterflooding. Journal of Geophysics and Engineering, 2018, 15, 1602-1609.	1.4	2
40	Numerical Simulation of Gas Mobility Control by Chemical Additives Injection and Foam Generation during Steam Assisted Gravity Drainage (SAGD). Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-15.	2.3	2
41	Adsorption Behavior Modelling of Confined Hydrocarbons in Shale Heterogeneous Nanopores by the Potential Theory. AIChE Journal, 0, , .	3.6	2
42	Coupled Wellbore/Near-Well Flow and Geomechanical Thermal Simulation of Cyclic Steam Stimulation with Different Geometric Fractures. , 2014, , .		1
43	Development and Application of Firebag SAGD Reservoir Simulation Platform. , 2019, , .		0
44	Effect of electrolytes on the self-protection of natural gas hydrate decomposition. Journal of Geophysics and Engineering, 2021, 18, 482-491.	1.4	0
45	Fractal complex transform technology for fractal Kkorteweg-de Vries equation within a local fractional derivative. Thermal Science, 2016, 20, 841-845.	1.1	0
46	Study on the Imbibition Characteristics of Different Types of Pore-Throat Based on Nuclear Magnetic Resonance Technology. Geofluids, 2022, 2022, 1-7.	0.7	0