Jinze Xu

List of Publications by Citations

42 papers	778 citations	12 h-index	27 g-index
47 ext. papers	1,036 ext. citations	4.2 avg, IF	4.3 L-index

#	Paper	IF	Citations
42	Wettability effect on nanoconfined water flow. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3358-3363	11.5	289
41	Flow behavior of gas confined in nanoporous shale at high pressure: Real gas effect. *Fuel*, **2017**, 205, 173-183	7.1	112
40	Effect of water saturation on gas slippage in tight rocks. *Fuel*, **2018**, 225, 519-532	7.1	42
39	Manipulating the Flow of Nanoconfined Water by Temperature Stimulation. *Angewandte Chemie - International Edition*, **2018**, 57, 8432-8437	16.4	34
38	Nanoconfinement Effect on n-Alkane Flow. *Journal of Physical Chemistry C*, **2019**, 123, 16456-16461	3.8	25
37	Effect of water saturation on gas slippage in circular and angular pores. *AICHE Journal*, **2018**, 64, 3529-3541	3.6	25
36	Real gas transport in tapered noncircular nanopores of shale rocks. *AICHE Journal*, **2017**, 63, 3224-3242	3.6	24
35	Gas Selection for Huff-n-Puff EOR in Shale Oil Reservoirs Based upon Experimental and Numerical Study **2017**,		23
34	Real gas transport in shale matrix with fractal structures. *Fuel*, **2018**, 219, 353-363	7.1	23
33	Effect of Fracture Geometry on Well Production in Hydraulic-Fractured Tight Oil Reservoirs. *Journal of Canadian Petroleum Technology*, **2015**, 54, 183-194		21
32	Ultrahigh Water Flow Enhancement by Optimizing Nanopore Chemistry and Geometry. *Langmuir*, **2019**, 35, 8867-8873	4	20
31	A fractal model for gas-water relative permeability curve in shale rocks. *Journal of Natural Gas Science and Engineering*, **2020**, 81, 103417	4.6	16
30	Fractal Characteristics of Lacustrine Tight Carbonate Nanoscale Reservoirs. *Energy & Fuels*, **2018**, 32, 107-118	4.1	12
29	Roles of multicomponent adsorption and geomechanics in the development of an Eagle Ford shale condensate reservoir. *Fuel*, **2019**, 242, 710-718	7.1	11
28	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	1.9	11
27	A Model for Gas Transport in Dual-Porosity Shale Rocks with Fractal Structures. *Industrial & Engineering Chemistry Research*, **2018**, 57, 6530-6537	3.9	9
26	On the Negative Excess Isotherms for Methane Adsorption at High Pressure: Modeling and Experiment. *SPE Journal*, **2019**, 24, 2504-2525	3.1	8

25	Nanoscale Free Gas Transport in Shale Rocks: A Hard-Sphere Based Model **2017**,		7
24	Effects of Lean Zones on Steam-Assisted Gravity Drainage Performance. *Energies*, **2017**, 10, 471	3.1	7
23	Modeling of Methane/Shale Excess Adsorption Under Reservoir Conditions. *SPE Reservoir Evaluation and Engineering*, **2018**, 21, 1027-1034	2.3	7
22	Gas Transport in Shale Nanopores with Mobile High-Viscosity Water Film. *Industrial & Engineering Chemistry Research*, **2018**, 57, 11219-11228	3.9	6
21	Manipulating the Flow of Nanoconfined Water by Temperature Stimulation. *Angewandte Chemie*, **2018**, 130, 8568-8573	3.6	6
20	Numerical Thermal Simulation and Optimization of Hybrid CSS/SAGD Process in Long Lake with Lean Zones **2014**,		5
19	A Universal Model of Water Flow Through Nanopores in Unconventional Reservoirs: Relationships Between Slip, Wettability and Viscosity **2016**,		5
18	Case study of sandbody architecture and quantitative parameters of the far-source sandy braided river: Saertu Oilfield, Daqing, China. *Journal of Petroleum Science and Engineering*, **2019**, 181, 106249	4.4	4
17	Numerical Study of the Effects of Lean Zones on SAGD Performance in Periodically Heterogeneous Media **2014**,		4
16	A simulation-based method to determine the coefficient of hyperbolic decline curve for tight oil production. *Advances in Geo-Energy Research*, **2019**, 3, 375-380	6.2	4
15	Shale gas transport in wedged nanopores with water films. *Journal of Natural Gas Science and Engineering*, **2019**, 66, 217-232	4.6	3
14	An improved analytical model for low-salinity waterflooding. *Journal of Geophysics and Engineering*, **2018**, 15, 1602-1609	1.3	2
13	Volume Effects on Methane-Shale Adsorption under Reservoir Conditions **2016**,		2
12	On the flow regime model for fast estimation of tight sandstone gas apparent permeability in high-pressure reservoirs. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2019**, 1-12	1.6	2
11	NANOSCALE PORE SIZE DISTRIBUTION EFFECTS ON GAS PRODUCTION FROM FRACTAL SHALE ROCKS. *Fractals*, **2019**, 27, 1950142	3.2	2
10	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	1.6	2
9	An analytical model for water-oil two-phase flow in inorganic nanopores in shale oil reservoirs. *Petroleum Science*, **2021**,	4.4	2
8	Coupled Wellbore/Near-Well Flow and Geomechanical Thermal Simulation of Cyclic Steam Stimulation with Different Geometric Fractures **2014**,		1

7   Geo-Mechanics of a Sugar-Cube Box: Cyclic Injection and Production in a Fractured Carbonate at the Saleski Pilot **2015**,   1

6   A semi-analytical model for horizontal-well productivity in shale gas reservoirs: Coupling of multi-scale seepage and matrix shrinkage. *Journal of Petroleum Science and Engineering*, **2020**, 195, 107869   4.4   1

5   Review of Marginal Oil Resources in Highly Depleted Reservoirs. *Processes*, **2022**, 10, 245   2.9   0

4   Multiphase Fluid Flow and Reaction in Heterogeneous Porous Media for Enhanced Heavy Oil Production **2018**, 319-352

3   Fractal complex transform technology for fractal Kkorteweg-de Vries equation within a local fractional derivative. *Thermal Science*, **2016**, 20, 841-845   1.2

2   Effect of electrolytes on the self-protection of natural gas hydrate decomposition. *Journal of Geophysics and Engineering*, **2021**, 18, 482-491   1.3

1   Study on the Imbibition Characteristics of Different Types of Pore-Throat Based on Nuclear Magnetic Resonance Technology. *Geofluids*, **2022**, 2022, 1-7   1.5