Xiaoli Li

List of Publications by Year in descending order

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31	730	516710 16	552781 26
papers	citations	h-index	g-index

31	31	31	433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular-level insights into the structure stability of CH4-C2H6 hydrates. Chemical Engineering Science, 2022, 247, 117039.	3.8	4
2	Phase boundary of gas hydrates in single and mixed electrolyte solutions: Using a novel unified equation of state. Journal of Molecular Liquids, 2022, 345, 117825.	4.9	6
3	Structural and dynamic analyses of CH4-C2H6-CO2 hydrates using thermodynamic modeling and molecular dynamic simulation. Journal of Chemical Thermodynamics, 2022, 169, 106749.	2.0	4
4	Phase boundary of CH4, CO2, and binary CH4-CO2 hydrates formed in NaCl solutions. Journal of Chemical Thermodynamics, 2021, 154, 106333.	2.0	11
5	Improved Fluids Characterization Model During Gas Huff-n-Puff EOR Processes in Unconventional Reservoirs. , 2021, , .		1
6	Rarefied gas transport in heterogeneous shale matrix using a practical apparent permeability model and fuzzy statistical method. Journal of Petroleum Science and Engineering, 2021, 206, 109029.	4.2	2
7	Phase behavior of high-pressure CH4-CO2 hydrates in NaCl solutions. Fuel, 2020, 280, 118549.	6.4	16
8	Gas Apparent Permeability Prediction in Heterogeneous Shale Matrix Based on Fractal Theory and Fuzzy Statistical Method. , 2020, , .		2
9	Modified Peng-Robinson equation of state for CO2/hydrocarbon systems within nanopores. Journal of Natural Gas Science and Engineering, 2020, 84, 103700.	4.4	24
10	Determination of Multiphase Boundaries for Pressureâ€“Temperature (Pâ€“T) and Enthalpyâ€“Temperature (Hâ€“T) Phase Diagrams of C₃H₈/CO₂/Water/Heavy Oil Systems at High Pressures and Elevated Temperatures. Industrial & Engineering Chemistry Research, 2020, 59, 423-436.	3.7	11
11	Determination of confined fluid phase behavior using extended Peng-Robinson equation of state. Chemical Engineering Journal, 2019, 378, 122032.	12.7	62
12	Capillary Condensation of Single- and Multicomponent Fluids in Nanopores. Industrial & Engineering Chemistry Research, 2019, 58, 19302-19315.	3.7	21
13	A New Unified Gas-Transport Model for Gas Flow in Nanoscale Porous Media. SPE Journal, 2019, 24, 698-719.	3.1	25
14	Gas transport in shale matrix coupling multilayer adsorption and pore confinement effect. Chemical Engineering Journal, 2019, 370, 1534-1549.	12.7	61
15	Estimation of Relative Permeability and Capillary Pressure for PUNQ-S3 Model Using a Modified Iterative Ensemble Smoother. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	14
16	Quantification of Viscosity for Solventsâ^'Heavy Oil/Bitumen Systems in the Presence of Water at High Pressures and Elevated Temperatures. Industrial & Engineering Chemistry Research, 2019, 58, 1044-1054.	3.7	18
17	Study on the relations between controlling mechanisms and dissociation front of gas hydrate reservoirs. Applied Energy, 2018, 215, 405-415.	10.1	56
18	Sensitivity analysis of hydrate dissociation front conditioned to depressurization and wellbore heating. Marine and Petroleum Geology, 2018, 91, 631-638.	3.3	61

#	Article	IF	Citations
19	Estimate of Saturation Pressures of Crude Oil by Using Ensemble-Smoother-Assisted Equation of State. Industrial & Engineering Chemistry Research, 2018, 57, 17024-17031.	3.7	1
20	Determination of Confined Fluid Phase Behavior Using Modified Peng-Robinson Equation of State. , 2018, , .		9
21	Optimization of Well Pattern Parameters for Waterflooding in an Anisotropic Formation. Mathematical Geosciences, 2018, 50, 977-1002.	2.4	5
22	Determination of Three-Phase Relative Permeability in CHOPS Processes by Use of an Improved Iterative Ensemble Smoother. , 2017, , .		2
23	Vapor-liquid phase boundaries and swelling factors of C3H8-n-C4H10-CO2-heavy oil systems under reservoir conditions. Fluid Phase Equilibria, 2017, 434, 211-221.	2.5	26
24	Phase behavior of C3H8â€“CO2â€“heavy oil systems in the presence of aqueous phase under reservoir conditions. Fuel, 2017, 209, 358-370.	6.4	42
25	Nonequilibrium Phase Behavior of Alkane Solvent(s)â€“CO₂â€“Heavy Oil Systems under Reservoir Conditions. Industrial & Engineering Chemistry Research, 2016, 55, 2860-2871.	3.7	43
26	Binary interaction parameters of CO2â^'heavy-n-alkanes systems by using Pengâ€“Robinson equation of state with modified alpha function. Fluid Phase Equilibria, 2016, 417, 77-86.	2.5	26
27	Phase Behaviour and Viscosity Reduction of CO2-Heavy Oil Systems at High Pressures and Elevated Temperatures. , 2014, , .		14
28	Determination of Mutual Solubility between CO₂ and Water by Using the Pengâ€“Robinson Equation of State with Modified Alpha Function and Binary Interaction Parameter. Industrial & Engineering Chemistry Research, 2013, 52, 13829-13838.	3.7	40
29	Determination of Multiphase Boundaries and Swelling Factors of Solvent(s)â€“CO₂â€“Heavy Oil Systems at High Pressures and Elevated Temperatures. Energy & Fuels, 2013, 27, 1293-1306.	5.1	74
30	Determination of Three-Phase Boundaries of Solvent(s)â€“CO₂â€“Heavy Oil Systems under Reservoir Conditions. Energy & Fuels, 2013, 27, 145-153.	5.1	35
31	Determination of Antiscaling Efficiency and Dissolution Capacity for Calcium Carbonate with Ultrasonic Irradiation. Industrial & Engineering Chemistry Research, 2012, 51, 9266-9274.	3.7	14