Yi Zhang

List of Publications by Year
in descending order

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31 papers	412 citations	758635 12 h-index	794141 19 g-index
31 all docs	31 docs citations	31 times ranked	337 citing authors

#	Article	IF	Citations
1	A review of research on the dispersion process and CO2 enhanced natural gas recovery in depleted gas reservoir. Journal of Petroleum Science and Engineering, 2022, 208, 109682.	2.1	9
2	Post-combustion CO2 capture and separation in flue gas based on hydrate technologyï¼šA review. Renewable and Sustainable Energy Reviews, 2022, 154, 111806.	8.2	52
3	Density Characteristics of a Multicomponent CO₂/N₂/CH₄ Ternary Mixture at Temperature of 293.15â€“353.15 K and Pressure of 0.5â€“18 MPa. Journal of Chemical & Engineering Data, 2022, 67, 908-918.	1.0	1
4	Molecular Insight into the Extraction Behaviors of Confined Heavy Oil in the Nanopore by CO₂/C₃H₈in Huff-n-Puff Process. Energy & Fuels, 2022, 36, 3062-3075.	2.5	7
5	Study on the influence of various factors on dispersion during enhance natural gas recovery with CO2 sequestration in depleted gas reservoir. Journal of Natural Gas Science and Engineering, 2022, 103, 104644.	2.1	6
6	Experimental study on dispersion characteristics and CH4 recovery efficiency of CO2, N2 and their mixtures for enhancing gas recovery. Journal of Petroleum Science and Engineering, 2022, 216, 110756.	2.1	5
7	Experimental Determination of CO2 Diffusion Coefficient in a Brine-Saturated Core Simulating Reservoir Condition. Energies, 2021, 14, 540.	1.6	14
8	Review of Density Measurements and Predictions of CO₂â€“Alkane Solutions for Enhancing Oil Recovery. Energy & Fuels, 2021, 35, 2914-2935.	2.5	13
9	Dynamic Adsorption of CO₂ in Different Sized Shale Organic Pores Using Molecular Dynamic Simulations under Various Pressures. Energy & Fuels, 2021, 35, 15950-15961.	2.5	6
10	Molecular simulation of equal density temperature in CCS under geological sequestration conditions. , 2020, 10, 90-102.		4
11	Dispersion characteristics of CO2 enhanced gas recovery over a wide range of temperature and pressure. Journal of Natural Gas Science and Engineering, 2020, 73, 103056.	2.1	12
12	Molecular Dynamics Simulation of CO2 Diffusion in a Carbonated Waterâ€“Decane System. Energies, 2020, 13, 6031.	1.6	3
13	The density characteristics of CO 2 and alkane mixtures using PCâ€SAFT EoS. , 2020, 10, 1063-1076.		4
14	Pore-scale visualization study on CO2 displacement of brine in micromodels with circular and square cross sections. International Journal of Greenhouse Gas Control, 2020, 95, 102958.	2.3	20
15	Enhanced Mass Transfer by Density-Driven Convection during CO₂ Geological Storage. Industrial & Engineering Chemistry Research, 2020, 59, 9300-9309.	1.8	9
16	Experimental study of the supercritical CO ₂ diffusion coefficient in porous media under reservoir conditions. Royal Society Open Science, 2019, 6, 181902.	1.1	19
17	Thermodynamics and Kinetics of CO2/CH4 Adsorption on Shale from China: Measurements and Modeling. Energies, 2019, 12, 978.	1.6	12
18	Densities of CO2/N2/O2 ternary mixtures at temperatures from (300.15 to 353.15) K and pressures from (5 to 18) MPa. Thermochimica Acta, 2019, 676, 20-26.	1.2	8

#	Article	IF	Citations
19	The horizontal dispersion properties of CO2-CH4 in sand packs with CO2 displacing the simulated natural gas. Journal of Natural Gas Science and Engineering, 2018, 50, 293-300.	2.1	14
20	CO₂ Adsorption Behavior of Graphite Oxide Modified with Tetraethylenepentamine. Journal of Chemical & Engineering Data, 2018, 63, 202-207.	1.0	18
21	Density Characteristics of the CO2â€“CH4 Binary System: Experimental Data at 313â€“353 K and 3â€“18 MPa and Modeling from the PC-SAFT EoS. Journal of Chemical & Engineering Data, 2018, , .	1.0	1
22	Density characteristics of CO2â€“CH4 binary mixtures at temperatures from (300 to 308.15)K and pressures from (2 to 18)MPa. Journal of Chemical Thermodynamics, 2017, 106, 1-9.	1.0	13
23	In situ measurement of the dispersion coefficient of liquid/supercritical CO₂â€“CH₄ in a sandpack using CT. RSC Advances, 2016, 6, 42367-42376.	1.7	12
24	Density and Volumetric Behavior of CO₂ + Undecane System from 313.15 to 353.15 K and Pressures up to 19 MPa. Journal of Chemical & Engineering Data, 2016, 61, 3003-3012.	1.0	9
25	Competitive adsorption/desorption of CO2/CH4 mixtures on anthracite from China over a wide range of pressures and temperatures. RSC Advances, 2016, 6, 98588-98597.	1.7	9
26	Density Measurement and Modeling of CO₂â^'Brine System at Temperature and Pressure Corresponding to Storage Conditions. Journal of Chemical & Engineering Data, 2016, 61, 873-880.	1.0	6
27	Pure methane, carbon dioxide, and nitrogen adsorption on anthracite from China over a wide range of pressures and temperatures: experiments and modeling. RSC Advances, 2015, 5, 52612-52623.	1.7	35
28	Laboratory experiment of CO 2 â€“CH 4 displacement and dispersion in sandpacks in enhanced gas recovery. Journal of Natural Gas Science and Engineering, 2015, 26, 1585-1594.	2.1	45
29	(p, Ï¸ T) Behavior of CO₂ + Tetradecane Systems: Experiments and Thermodynamic Modeling. Journal of Chemical & Engineering Data, 2015, 60, 1476-1486.	1.0	20
30	Adsorption isotherms and kinetics of carbon dioxide on Chinese dry coal over a wide pressure range. Adsorption, 2015, 21, 53-65.	1.4	24
31	Density measurement and equal density temperature of CO2+brine from Dagang â€” formation from 313 to 363 K. Korean Journal of Chemical Engineering, 2015, 32, 141-148.	1.2	2