

Yi Zhang

List of Publications by Year in descending order

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31
papers

412
citations

758635

12
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794141

19
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31
docs citations

31
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-combustion CO ₂ capture and separation in flue gas based on hydrate technology—A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111806.	8.2	52
2	Laboratory experiment of CO ₂ –CH ₄ displacement and dispersion in sandpacks in enhanced gas recovery. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 1585-1594.	2.1	45
3	Pure methane, carbon dioxide, and nitrogen adsorption on anthracite from China over a wide range of pressures and temperatures: experiments and modeling. <i>RSC Advances</i> , 2015, 5, 52612-52623.	1.7	35
4	Adsorption isotherms and kinetics of carbon dioxide on Chinese dry coal over a wide pressure range. <i>Adsorption</i> , 2015, 21, 53-65.	1.4	24
5	(<i>p</i> , <i>T</i>) Behavior of CO ₂ + Tetradecane Systems: Experiments and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1476-1486.	1.0	20
6	Pore-scale visualization study on CO ₂ displacement of brine in micromodels with circular and square cross sections. <i>International Journal of Greenhouse Gas Control</i> , 2020, 95, 102958.	2.3	20
7	Experimental study of the supercritical CO ₂ diffusion coefficient in porous media under reservoir conditions. <i>Royal Society Open Science</i> , 2019, 6, 181902.	1.1	19
8	CO ₂ Adsorption Behavior of Graphite Oxide Modified with Tetraethylenepentamine. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 202-207.	1.0	18
9	The horizontal dispersion properties of CO ₂ -CH ₄ in sand packs with CO ₂ displacing the simulated natural gas. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 50, 293-300.	2.1	14
10	Experimental Determination of CO ₂ Diffusion Coefficient in a Brine-Saturated Core Simulating Reservoir Condition. <i>Energies</i> , 2021, 14, 540.	1.6	14
11	Density characteristics of CO ₂ –CH ₄ binary mixtures at temperatures from (300 to 308.15)K and pressures from (2 to 18)MPa. <i>Journal of Chemical Thermodynamics</i> , 2017, 106, 1-9.	1.0	13
12	Review of Density Measurements and Predictions of CO ₂ –Alkane Solutions for Enhancing Oil Recovery. <i>Energy & Fuels</i> , 2021, 35, 2914-2935.	2.5	13
13	In situ measurement of the dispersion coefficient of liquid/supercritical CO ₂ –CH ₄ in a sandpack using CT. <i>RSC Advances</i> , 2016, 6, 42367-42376.	1.7	12
14	Thermodynamics and Kinetics of CO ₂ /CH ₄ Adsorption on Shale from China: Measurements and Modeling. <i>Energies</i> , 2019, 12, 978.	1.6	12
15	Dispersion characteristics of CO ₂ enhanced gas recovery over a wide range of temperature and pressure. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103056.	2.1	12
16	Density and Volumetric Behavior of CO ₂ + Undecane System from 313.15 to 353.15 K and Pressures up to 19 MPa. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3003-3012.	1.0	9
17	Competitive adsorption/desorption of CO ₂ /CH ₄ mixtures on anthracite from China over a wide range of pressures and temperatures. <i>RSC Advances</i> , 2016, 6, 98588-98597.	1.7	9
18	Enhanced Mass Transfer by Density-Driven Convection during CO ₂ Geological Storage. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9300-9309.	1.8	9

#	ARTICLE	IF	CITATIONS
19	A review of research on the dispersion process and CO ₂ enhanced natural gas recovery in depleted gas reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109682.	2.1	9
20	Densities of CO ₂ /N ₂ /O ₂ ternary mixtures at temperatures from (300.15 to 353.15) K and pressures from (5 to 18) MPa. <i>Thermochimica Acta</i> , 2019, 676, 20-26.	1.2	8
21	Molecular Insight into the Extraction Behaviors of Confined Heavy Oil in the Nanopore by CO ₂ /C ₃ H ₈ in Huff-n-Puff Process. <i>Energy & Fuels</i> , 2022, 36, 3062-3075.	2.5	7
22	Density Measurement and Modeling of CO ₂ -Brine System at Temperature and Pressure Corresponding to Storage Conditions. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 873-880.	1.0	6
23	Dynamic Adsorption of CO ₂ in Different Sized Shale Organic Pores Using Molecular Dynamic Simulations under Various Pressures. <i>Energy & Fuels</i> , 2021, 35, 15950-15961.	2.5	6
24	Study on the influence of various factors on dispersion during enhance natural gas recovery with CO ₂ sequestration in depleted gas reservoir. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 103, 104644.	2.1	6
25	Experimental study on dispersion characteristics and CH ₄ recovery efficiency of CO ₂ , N ₂ and their mixtures for enhancing gas recovery. <i>Journal of Petroleum Science and Engineering</i> , 2022, 216, 110756.	2.1	5
26	Molecular simulation of equal density temperature in CCS under geological sequestration conditions. , 2020, 10, 90-102.		4
27	The density characteristics of CO ₂ and alkane mixtures using PC-SAFT EoS. , 2020, 10, 1063-1076.		4
28	Molecular Dynamics Simulation of CO ₂ Diffusion in a Carbonated Water-Decane System. <i>Energies</i> , 2020, 13, 6031.	1.6	3
29	Density measurement and equal density temperature of CO ₂ +brine from Dagang formation from 313 to 363 K. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 141-148.	1.2	2
30	Density Characteristics of the CO ₂ -CH ₄ Binary System: Experimental Data at 313-353 K and 3-18 MPa and Modeling from the PC-SAFT EoS. <i>Journal of Chemical & Engineering Data</i> , 2018, , .	1.0	1
31	Density Characteristics of a Multicomponent CO ₂ /N ₂ /CH ₄ Ternary Mixture at Temperature of 293.15-353.15 K and Pressure of 0.5-18 MPa. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 908-918.	1.0	1