Junjie Zheng

List of Publications by Year
in descending order

18	1,073	566801 15	839053 18
papers	citations	h-index	g-index

18	18	18	664
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen storage as clathrate hydrates in the presence of 1,3-dioxolane as a dual-function promoter. Chemical Engineering Journal, 2022, 427, 131771.	6.6	27
2	An electrical resistivity-based method for measuring semi-clathrate hydrate formation kinetics: Application for cold storage and transport. Applied Energy, 2022, 308, 118397.	5.1	23
3	Laboratory demonstration of the stability of CO2 hydrates in deep-oceanic sediments. Chemical Engineering Journal, 2022, 432, 134290.	6.6	31
4	Key factors influencing the kinetics of tetra-n-butylammonium bromide hydrate formation as a cold storage and transport material. Chemical Engineering Journal, 2022, 446, 136843.	6.6	14
5	Coal mine gas separation of methane via clathrate hydrate process aided by tetrahydrofuran and amino acids. Applied Energy, 2021, 287, 116576.	5.1	50
6	Hydrates for cold energy storage and transport: A review. Advances in Applied Energy, 2021, 2, 100022.	6.6	83
7	Effect of <scp>l</scp>-Tryptophan in Promoting the Kinetics of Carbon Dioxide Hydrate Formation. Energy & Fuels, 2021, 35, 649-658.	2.5	55
8	New insights on water-gas flow and hydrate decomposition behaviors in natural gas hydrates deposits with various saturations. Applied Energy, 2020, 259, 114185.	5.1	46
9	Carbon Dioxide Sequestration via Gas Hydrates: A Potential Pathway toward Decarbonization. Energy & Fuels, 2020, 34, 10529-10546.	2.5	168
10	Natural gas storage via clathrate hydrate formation: Effect of carbon dioxide and experimental conditions. Energy Procedia, 2019, 158, 5535-5540.	1.8	7
11	Clathrate hydrate formation of CO2/CH4 mixture at room temperature: Application to direct transport of CO2-containing natural gas. Applied Energy, 2019, 249, 190-203.	5.1	52
12	LNG cold energy utilization: Prospects and challenges. Energy, 2019, 170, 557-568.	4.5	236
13	Semiclathrate based CO2 capture from fuel gas mixture at ambient temperature: Effect of concentrations of tetra-n-butylammonium fluoride (TBAF) and kinetic additives. Applied Energy, 2018, 217, 377-389.	5.1	58
14	Methane hydrate formation in mixed-size porous media with gas circulation: Effects of sediment properties on gas consumption, hydrate saturation and rate constant. Fuel, 2018, 233, 94-102.	3.4	39
15	Kinetic Evaluation of Cyclopentane as a Promoter for CO₂ Capture via a Clathrate Process Employing Different Contact Modes. ACS Sustainable Chemistry and Engineering, 2018, 6, 11913-11921.	3.2	55
16	Semiclathrate hydrate process for pre-combustion capture of CO 2 at near ambient temperatures. Applied Energy, 2017, 194, 267-278.	5.1	94
17	Systematic evaluation of semiclathrate-based pre-combustion CO 2 capture in presence of tetra-n-butylammonium fluoride (TBAF): effect of TBAF concentration and kinetic additives. Energy Procedia, 2017, 143, 506-511.	1.8	6
18	Impact of fixed bed reactor orientation, liquid saturation, bed volume and temperature on the clathrate hydrate process for pre-combustion carbon capture. Journal of Natural Gas Science and Engineering, 2016, 35, 1499-1510.	2.1	29