

Junjie Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,073
citations

566801

15
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

664
citing authors

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