

Nilesh Choudhary

List of Publications by Year in descending order

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16
papers

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citations

840119

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all docs

16
docs citations

16
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the amino acid l-histidine on methane hydrate growth kinetics. Journal of Natural Gas Science and Engineering, 2016, 35, 1453-1462.	2.1	114
2	Effect of Sodium Dodecyl Sulfate Surfactant on Methane Hydrate Formation: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2018, 122, 6536-6542.	1.2	47
3	Clathrate hydrates in interstellar environment. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1526-1531.	3.3	44
4	Effect of polyvinylpyrrolidone at methane hydrate-liquid water interface. Application in flow assurance and natural gas hydrate exploitation. Fuel, 2016, 186, 613-622.	3.4	35
5	Bulk and interfacial properties of decane in the presence of carbon dioxide, methane, and their mixture. Scientific Reports, 2019, 9, 19784.	1.6	31
6	Methane recovery from marine gas hydrates: A bench scale study in presence of low dosage benign additives. Applied Energy, 2019, 253, 113566.	5.1	26
7	A comparison of different water models for melting point calculation of methane hydrate using molecular dynamics simulations. Chemical Physics, 2019, 516, 6-14.	0.9	25
8	Bulk and Interfacial Properties of Alkanes in the Presence of Carbon Dioxide, Methane, and Their Mixture. Industrial & Engineering Chemistry Research, 2021, 60, 729-738.	1.8	17
9	Molecular Dynamics Simulation and Experimental Study on the Growth of Methane Hydrate in Presence of Methanol and Sodium Chloride. Energy Procedia, 2017, 105, 5026-5033.	1.8	16
10	Macro and Molecular Level Insights on Gas Hydrate Growth in the Presence of Hofmeister Salts. Industrial & Engineering Chemistry Research, 2020, 59, 20591-20600.	1.8	16
11	Bulk and Interfacial Properties of the Decane + Brine System in the Presence of Carbon Dioxide, Methane, and Their Mixture. Industrial & Engineering Chemistry Research, 2021, 60, 11525-11534.	1.8	11
12	Morphology and dynamics of self-assembled structures in mixed surfactant systems (SDS+CAPB) in the context of methane hydrate growth. Journal of Molecular Liquids, 2020, 319, 114296.	2.3	10
13	Interfacial behavior of the decane + brine + surfactant system in the presence of carbon dioxide, methane, and their mixture. Soft Matter, 2021, 17, 10545-10554.	1.2	8
14	Reply to Choukroun et al.: IR and TPD data suggest the formation of clathrate hydrates in laboratory experiments simulating ISM. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14409-14410.	3.3	5
15	Formation and Dissociation Kinetics in Simulated Hydrate Bearing Reservoir. Current Environmental Engineering, 2018, 5, 78-85.	0.6	2
16	Methane hydrate dissociation in the presence of novel benign additives. Energy Procedia, 2019, 158, 5856-5865.	1.8	0