Abolfazl Mohammadi

List of Publications by Year
in descending order

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26	817	623734	610901
papers	citations	14 h-index	24 g-index

26	26	26	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Graphene Oxide Nanosheets and Al₂O₃ Nanoparticles on CO₂ Uptake in Semiâ€clathrate Hydrates. Chemical Engineering and Technology, 2021, 44, 48-57.	1.5	27
2	Influence of Tetra <i>n</i>-Butylammonium Chloride and Polysorbate 80 on the Kinetics of Methane Hydrate Formation. Journal of the Japan Petroleum Institute, 2021, 64, 22-28.	0.6	2
3	Rate of Methane Hydrate Formation in Presence of Tetra-n-Butylammonium Chloride and Tween 80: Application in Air Conditioning Systems. Theoretical Foundations of Chemical Engineering, 2021, 55, 451-456.	0.7	3
4	Predicting semiclathrate hydrates dissociation pressure using a rigorous machine learning approach. Journal of Dispersion Science and Technology, 2020, 41, 863-872.	2.4	4
5	Kinetics of CO₂ hydrate formation in coffee aqueous solution: Application in coffee concentration. Journal of Dispersion Science and Technology, 2020, 41, 895-901.	2.4	12
6	The effects of graphene oxide nanosheets and Al2O3 nanoparticles on the kinetics of methaneÂ+ÂTHF hydrate formation at moderate conditions. Journal of Molecular Liquids, 2020, 316, 113872.	4.9	34
7	Investigation of the Effect of NaCl on the Kinetics of R410a Hydrate Formation in the Presence and Absence of Cyclopentane with Potential Application in Hydrate-Based Desalination. Industrial & Engineering Chemistry Research, 2020, 59, 14115-14125.	3.7	28
8	Experimental study and kinetic modeling of R410a hydrate formation in presence of SDS, tween 20, and graphene oxide nanosheets with application in cold storage. Journal of Molecular Liquids, 2020, 304, 112665.	4.9	27
9	The roles TBAF and SDS on the kinetics of methane hydrate formation as a cold storage material. Journal of Molecular Liquids, 2020, 309, 113175.	4.9	23
10	Optimization of determination of CO2 gas hydrates surface tension in the presence of non-ionic surfactants and TBAC. Eurasian Chemical Communications, 2020, 2, 420-426.	0.9	4
11	Kinetic study of methane hydrate formation in the presence of carbon nanostructures. Petroleum Science, 2019, 16, 657-668.	4.9	32
12	Characterization and Catalytic Reactivity of LaNi1-xMgxO3-Î´ Perovskite Oxides in Reforming of Methane with CO2 and O2. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	3
13	Combined methane reforming over nano LaNiO3 catalyst with modified active surface. Research on Chemical Intermediates, 2018, 44, 1755-1773.	2.7	8
14	Semicompletion time of carbon dioxide uptake in the process of gas hydrate formation in presence and absence of SDS and silver nanoparticles. Petroleum Science and Technology, 2017, 35, 37-44.	1.5	5
15	Effect of SDS, silver nanoparticles, and SDS + silver nanoparticles on methane hydrate semicompletion time. Petroleum Science and Technology, 2017, 35, 1542-1548.	1.5	12
16	The effect of a TEG additive on hydrate formation. Petroleum Science and Technology, 2017, 35, 1154-1159.	1.5	0
17	Measurement of the amount and rate of methane dissolution in pure water and aqueous solution of SDS + multi-wall carbon nanotubes + Î²-cyclodextrin. Petroleum Science and Technology, 2017, 35, 1549-1555.	1.5	3
18	Induction time, storage capacity, and rate of methane hydrate formation in the presence of SDS and silver nanoparticles. Chemical Engineering Communications, 2017, 204, 1420-1427.	2.6	37

#	Article	IF	Citations
19	Kinetic study of carbon dioxide hydrate formation in presence of silver nanoparticles and SDS. Chemical Engineering Journal, 2014, 237, 387-395.	12.7	249
20	Thermodynamic modeling of the dissociation conditions of hydrogen sulfide clathrate hydrate in the presence of aqueous solution of inhibitor (alcohol, salt or ethylene glycol). Chemical Engineering Research and Design, 2014, 92, 2283-2293.	5.6	23
21	Phase equilibria of semiclathrate hydrates for methane+tetra n-butylammonium chloride (TBAC), carbon dioxide+TBAC, and nitrogen+TBAC aqueous solution systems. Fluid Phase Equilibria, 2014, 381, 102-107.	2.5	50
22	The equilibrium conditions, hydrate formation and dissociation rate and storage capacity of ethylene hydrate in presence of 1,4-dioxane. Chemical Engineering Journal, 2013, 217, 379-384.	12.7	45
23	Dissociation Data of Semiclathrate Hydrates for the Systems of Tetra-n-butylammonium Fluoride (TBAF) + Methane + Water, TBAF + Carbon Dioxide + Water, and TBAF + Nitrogen + Water. Journal of Chemical & Engineering Data, 2013, 58, 3545-3550.	1.9	59
24	Effect of synthesized silver nanoparticles in promoting methane hydrate formation at 4.7MPa and 5.7MPa. Chemical Engineering Research and Design, 2013, 91, 1050-1054.	5.6	104
25	Effect of Î²-cyclodextrin on dissolution of methane in water. Chemical Engineering Research and Design, 2011, 89, 421-427.	5.6	20
26	The effect tetra butyl ammonium hydroxide and tween on the kinetics of carbon dioxide hydrate formation. Petroleum Science and Technology, 0, , 1-19.	1.5	3