Jinxiang Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3000033/publications.pdf

Version: 2024-02-01

		933447	940533
19	254	10	16
papers	citations	h-index	g-index

19	19	19	305
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetic hydrate inhibitor performance and adsorption characteristics of poly(N-alkyl-N-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Aspects, 2022, 635, 128097.	4.7	4
2	Molecular mechanisms of Poly(N-alkyl methacrylamides)s as Kinetic hydrate inhibitors. Chemical Engineering Science, 2022, 258, 117775.	3.8	2
3	Comparison of the effect of poly(N-vinyl caprolactam) and poly(N-isopropyl acrylamide) trimers on the stability of hydrated Na-montmorillonite: A molecular dynamics study. Polymers and Polymer Composites, 2021, 29, 748-762.	1.9	0
4	Stability of CH4, CO2, and H2S in two-dimensional clathrate hydrates. Computational Materials Science, 2021, 188, 110174.	3.0	1
5	Adsorption behavior of kinetic inhibitors on hydrate surfaces and its relation to the inhibition performance. Chemical Physics Letters, 2021, 784, 139108.	2.6	1
6	Molecular Insights into the Effect of a Solid Surface on the Stability of a Hydrate Nucleus. Journal of Physical Chemistry C, 2020, 124, 2664-2671.	3.1	18
7	Understanding the inhibition performance of polyvinylcaprolactam and interactions with water molecules. Chemical Physics Letters, 2020, 761, 138070.	2.6	6
8	Molecular insights into the kinetic hydrate inhibition performance of Poly(N-vinyl lactam) polymers. Journal of Natural Gas Science and Engineering, 2020, 83, 103504.	4.4	28
9	Molecular Insights into Cage Occupancy of Hydrogen Hydrate: A Computational Study. Processes, 2019, 7, 699.	2.8	11
10	Tetrahydrofuran (THF)-Mediated Structure of THFÂ·(H2O)n=1â€“10: A Computational Study on the Formation of the THF Hydrate. Crystals, 2019, 9, 73.	2.2	7
11	Two-dimensional methane hydrate: Plum-pudding structure and sandwich structure. Chemical Physics Letters, 2019, 725, 38-44.	2.6	5
12	The molecular mechanism of the inhibition effects of PVCaps on the growth of sI hydrate: an unstable adsorption mechanism. Physical Chemistry Chemical Physics, 2018, 20, 8326-8332.	2.8	29
13	Ab initio study of formation of the clathrate cage in the tetrahydrofuran hydrate. Journal of Chemical Thermodynamics, 2018, 120, 39-44.	2.0	13
14	Molecular dynamics study of the swelling patterns of Na/Cs-, Na/Mg-montmorillonites and hydration of interlayer cations. Molecular Simulation, 2017, 43, 575-589.	2.0	29
15	Ab initio study of the molecular hydrogen occupancy in pure H2 and binary H2-THF clathrate hydrates. International Journal of Hydrogen Energy, 2017, 42, 17136-17143.	7.1	29
16	Formation of clathrate cages of sI methane hydrate revealed by ab initio study. Energy, 2017, 120, 698-704.	8.8	28
17	Structure and stability of binary CH4â€“CO2 clathrate hydrates. Computational and Theoretical Chemistry, 2016, 1086, 1-6.	2.5	6
18	Voltage-gated spin-filtering properties and global minimum of planar MnB₆, and half-metallicity and room-temperature ferromagnetism of its oxide sheet. Journal of Materials Chemistry C, 2016, 4, 10866-10875.	5.5	26

#	Article	IF	Citations
19	Structure and stability of multiply occupied methane clathrate hydrates. Chemical Physics Letters, 2015, 637, 110-114.	2.6	11