Jinxiang Liu

List of Publications by Year
in descending order

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		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	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
2	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
3	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
4	Formation of clathrate cages of sI methane hydrate revealed by ab initio study. Energy, 2017, 120, 698-704.	8.8	28
5	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
6	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
7	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
8	Ab initio study of formation of the clathrate cage in the tetrahydrofuran hydrate. Journal of Chemical Thermodynamics, 2018, 120, 39-44.	2.0	13
9	Structure and stability of multiply occupied methane clathrate hydrates. Chemical Physics Letters, 2015, 637, 110-114.	2.6	11
10	Molecular Insights into Cage Occupancy of Hydrogen Hydrate: A Computational Study. Processes, 2019, 7, 699.	2.8	11
11	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
12	Structure and stability of binary CH4â€“CO2 clathrate hydrates. Computational and Theoretical Chemistry, 2016, 1086, 1-6.	2.5	6
13	Understanding the inhibition performance of polyvinylcaprolactam and interactions with water molecules. Chemical Physics Letters, 2020, 761, 138070.	2.6	6
14	Two-dimensional methane hydrate: Plum-pudding structure and sandwich structure. Chemical Physics Letters, 2019, 725, 38-44.	2.6	5
15	Kinetic hydrate inhibitor performance and adsorption characteristics of poly(N-alkyl-N-vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Aspects, 2022, 635, 128097.	4.7	4
16	Molecular mechanisms of Poly(N-alkyl methacrylamides)s as Kinetic hydrate inhibitors. Chemical Engineering Science, 2022, 258, 117775.	3.8	2
17	Stability of CH4, CO2, and H2S in two-dimensional clathrate hydrates. Computational Materials Science, 2021, 188, 110174.	3.0	1
18	Adsorption behavior of kinetic inhibitors on hydrate surfaces and its relation to the inhibition performance. Chemical Physics Letters, 2021, 784, 139108.	2.6	1

#	Article	IF	Citations
19	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