Jiwoong Seol

List of Publications by Year
in descending order

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24	458	687363 13	713466 21
papers	citations	h-index	g-index

25	25	25	377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methane storage in clathrate hydrates containing <scp>waterâ€miscible</scp> oxirane promoters. International Journal of Energy Research, 2022, 46, 3249-3259.	4.5	7
2	Selective Inclusion of Secondary Amine Guests in sH Hydrate Systems. Journal of Chemical & Engineering Data, 2021, 66, 3335-3345.	1.9	5
3	Oxabicyclic Guest Compounds as sII Promoters: Spectroscopic Investigation and Equilibrium Measurements. Frontiers in Chemistry, 2020, 8, 614.	3.6	5
4	Epoxycyclopentane hydrate for sustainable hydrate-based energy storage: notable improvements in thermodynamic condition and storage capacity. Chemical Communications, 2020, 56, 8368-8371.	4.1	22
5	Structural Transition Induced by CH₄ Enclathration and Cage Expansion with Large Guest Molecules Occurring in Amine Hydrate Systems. Journal of Chemical & Engineering Data, 2014, 59, 2004-2012.	1.9	14
6	Natural gas hydrate as a potential energy resource: From occurrence to production. Korean Journal of Chemical Engineering, 2013, 30, 771-786.	2.7	38
7	Structure Transition from Semi- to True Clathrate Hydrates Induced by CH₄ Enclathration. Journal of Physical Chemistry C, 2012, 116, 16352-16357.	3.1	22
8	Spectroscopic Observation of Na Cations Entrapped in Small Cages of sII Propane Hydrate. Journal of Physical Chemistry C, 2012, 116, 1439-1444.	3.1	11
9	Spectroscopic Confirmation of Metastable Structure Formation Occurring in Natural Gas Hydrates. Chemistry - an Asian Journal, 2012, 7, 2235-2238.	3.3	8
10	Phase equilibrium measurements and the tuning behavior of new sII clathrate hydrates. Journal of Chemical Thermodynamics, 2012, 44, 20-25.	2.0	37
11	Experimental verification of anomalous chloride enrichment related to methane hydrate formation in deepâ€sea sediments. AIChE Journal, 2012, 58, 322-328.	3.6	4
12	Metastability of Ethane Clathrate Hydrate Induced by [Co(NH3)6]3+ Complex. Journal of Physical Chemistry C, 2011, 115, 2558-2562.	3.1	6
13	Water-Soluble Structure H Clathrate Hydrate Formers. Journal of Physical Chemistry C, 2011, 115, 18885-18889.	3.1	37
14	Abnormal methane occupancy of natural gas hydrates in deep sea floor sediments. Energy and Environmental Science, 2011, 4, 421-424.	30.8	31
15	Hydrate Equilibrium Data of the CH4+ C3H8Gas Mixture and Simulated Natural Gas in the Presence of 2,2-Dimethylbutane and Methylcyclohexane. Journal of Chemical & Engineering Data, 2011, 56, 2316-2321.	1.9	13
16	Molecular Cage Occupancy of Clathrate Hydrates at Infinite Dilution: Experimental Determination and Thermodynamic Significance. Journal of Physical Chemistry B, 2010, 114, 804-808.	2.6	10
17	Generalized Cage Occupancy Behavior in the Binary Clathrate Hydrates. Journal of Physical Chemistry C, 2010, 114, 17960-17963.	3.1	4
18	Effect of Interlayer Ions on Methane Hydrate Formation in Clay Sediments. Journal of Physical Chemistry B, 2009, 113, 1245-1248.	2.6	39

#	Article	IF	Citations
19	Structural, Mineralogical, and Rheological Properties of Methane Hydrates in Smectite Clays. Journal of Chemical & Engineering Data, 2009, 54, 1284-1291.	1.9	48
20	Magnetic Transition and Long-Time Relaxation Behavior Induced by Selective Injection of Guest Molecules into Clathrate Hydrates. Journal of the American Chemical Society, 2009, 131, 5736-5737.	13.7	17
21	Equilibrium and crystallographic measurements of the binary tetrahydrofuran and helium clathrate hydrates. Korean Journal of Chemical Engineering, 2008, 25, 154-157.	2.7	8
22	Spectroscopic Observation of Atomic Hydrogen Radicals Entrapped in Icy Hydrogen Hydrate. Journal of the American Chemical Society, 2008, 130, 9208-9209.	13.7	29
23	Phase and kinetic behavior of the mixed methane and carbon dioxide hydrates. Korean Journal of Chemical Engineering, 2006, 23, 283-287.	2.7	10
24	Structure Transition and Swapping Pattern of Clathrate Hydrates Driven by External Guest Molecules. Journal of the American Chemical Society, 2006, 128, 12388-12389.	13.7	33