

Jiwoong Seol

List of Publications by Year in descending order

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24
papers

458
citations

687363

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docs citations

25
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, Mineralogical, and Rheological Properties of Methane Hydrates in Smectite Clays. Journal of Chemical & Engineering Data, 2009, 54, 1284-1291.	1.9	48
2	Effect of Interlayer Ions on Methane Hydrate Formation in Clay Sediments. Journal of Physical Chemistry B, 2009, 113, 1245-1248.	2.6	39
3	Natural gas hydrate as a potential energy resource: From occurrence to production. Korean Journal of Chemical Engineering, 2013, 30, 771-786.	2.7	38
4	Water-Soluble Structure H Clathrate Hydrate Formers. Journal of Physical Chemistry C, 2011, 115, 18885-18889.	3.1	37
5	Phase equilibrium measurements and the tuning behavior of new sII clathrate hydrates. Journal of Chemical Thermodynamics, 2012, 44, 20-25.	2.0	37
6	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
7	Abnormal methane occupancy of natural gas hydrates in deep sea floor sediments. Energy and Environmental Science, 2011, 4, 421-424.	30.8	31
8	Spectroscopic Observation of Atomic Hydrogen Radicals Entrapped in Icy Hydrogen Hydrate. Journal of the American Chemical Society, 2008, 130, 9208-9209.	13.7	29
9	Structure Transition from Semi- to True Clathrate Hydrates Induced by CH ₄ Enclathration. Journal of Physical Chemistry C, 2012, 116, 16352-16357.	3.1	22
10	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
11	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
12	Structural Transition Induced by CH ₄ 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
13	Hydrate Equilibrium Data of the CH ₄ + C ₃ H ₈ Gas 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
14	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
15	Phase and kinetic behavior of the mixed methane and carbon dioxide hydrates. Korean Journal of Chemical Engineering, 2006, 23, 283-287.	2.7	10
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	Equilibrium and crystallographic measurements of the binary tetrahydrofuran and helium clathrate hydrates. Korean Journal of Chemical Engineering, 2008, 25, 154-157.	2.7	8
18	Spectroscopic Confirmation of Metastable Structure Formation Occurring in Natural Gas Hydrates. Chemistry - an Asian Journal, 2012, 7, 2235-2238.	3.3	8

#	ARTICLE	IF	CITATIONS
19	Methane storage in clathrate hydrates containing <scp>waterâ€miscible</scp> oxirane promoters. International Journal of Energy Research, 2022, 46, 3249-3259.	4.5	7
20	Metastability of Ethane Clathrate Hydrate Induced by [Co(NH ₃) ₆] ³⁺ Complex. Journal of Physical Chemistry C, 2011, 115, 2558-2562.	3.1	6
21	Oxabicyclic Guest Compounds as sII Promoters: Spectroscopic Investigation and Equilibrium Measurements. Frontiers in Chemistry, 2020, 8, 614.	3.6	5
22	Selective Inclusion of Secondary Amine Guests in sII Hydrate Systems. Journal of Chemical & Engineering Data, 2021, 66, 3335-3345.	1.9	5
23	Generalized Cage Occupancy Behavior in the Binary Clathrate Hydrates. Journal of Physical Chemistry C, 2010, 114, 17960-17963.	3.1	4
24	Experimental verification of anomalous chloride enrichment related to methane hydrate formation in deep-sea sediments. AIChE Journal, 2012, 58, 322-328.	3.6	4