

Bo Ram Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11981746/publications.pdf>

Version: 2024-02-01

34
papers

1,317
citations

331670

21
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobic amino acids as a new class of kinetic inhibitors for gas hydrate formation. Scientific Reports, 2013, 3, 2428.	3.3	187
2	Precursor Effects of Citric Acid and Citrates on ZnO Crystal Formation. Langmuir, 2009, 25, 3825-3831.	3.5	146
3	Amino Acids as Natural Inhibitors for Hydrate Formation in CO ₂ Sequestration. Environmental Science & Technology, 2011, 45, 5885-5891.	10.0	142
4	Quantitative measurement and mechanisms for CH ₄ production from hydrates with the injection of liquid CO ₂ . Physical Chemistry Chemical Physics, 2014, 16, 14922-14927.	2.8	88
5	Thermodynamic and kinetic analysis of gas hydrates for desalination of saturated salinity water. Chemical Engineering Journal, 2019, 370, 980-987.	12.7	68
6	Gas Hydrates Phase Equilibria and Formation from High Concentration NaCl Brines up to 200 MPa. Journal of Chemical & Engineering Data, 2017, 62, 1910-1918.	1.9	52
7	Universal correlation for gas hydrates suppression temperature of inhibited systems: I. Single salts. AIChE Journal, 2017, 63, 5111-5124.	3.6	51
8	Pure SF ₆ and SF ₆ -N ₂ Mixture Gas Hydrates Equilibrium and Kinetic Characteristics. Environmental Science & Technology, 2009, 43, 7723-7727.	10.0	48
9	Abnormal incorporation of amino acids into the gas hydrate crystal lattice. Physical Chemistry Chemical Physics, 2014, 16, 26730-26734.	2.8	47
10	Universal correlation for gas hydrates suppression temperature of inhibited systems: III. salts and organic inhibitors. AIChE Journal, 2018, 64, 4097-4109.	3.6	39
11	Gas hydrates phase equilibria for structure I and II hydrates with chloride salts at high salt concentrations and up to 200 MPa. Journal of Chemical Thermodynamics, 2018, 117, 27-32.	2.0	33
12	Phase equilibrium data of methane hydrates in mixed brine solutions. Journal of Natural Gas Science and Engineering, 2017, 46, 750-755.	4.4	32
13	Hydrate Management in Deadlegs: Effect of Header Temperature on Hydrate Deposition. Energy & Fuels, 2017, 31, 11802-11810.	5.1	30
14	Insight into increased stability of methane hydrates at high pressure from phase equilibrium data and molecular structure. Fluid Phase Equilibria, 2017, 450, 24-29.	2.5	30
15	Universal correlation for gas hydrates suppression temperature of inhibited systems: II. Mixed salts and structure type. AIChE Journal, 2018, 64, 2240-2250.	3.6	29
16	Micromechanical Cohesion Force between Gas Hydrate Particles Measured under High Pressure and Low Temperature Conditions. Langmuir, 2015, 31, 3884-3888.	3.5	27
17	Mechanism of Cohesive Forces of Cyclopentane Hydrates with and without Thermodynamic Inhibitors. Industrial & Engineering Chemistry Research, 2014, 53, 18189-18193.	3.7	26
18	Hydrate Management of Deadlegs in Oil and Gas Production Systems – Background and Development of Experimental Systems. Energy & Fuels, 2017, 31, 11783-11792.	5.1	25

#	ARTICLE	IF	CITATIONS
19	Gas hydrate formation from high concentration KCl brines at ultra-high pressures. Journal of Industrial and Engineering Chemistry, 2017, 50, 142-146.	5.8	24
20	Surfactant effects on SF6 hydrate formation. Journal of Colloid and Interface Science, 2009, 331, 55-59.	9.4	23
21	Hydrate Management in Deadlegs: Effect of Wall Temperature on Hydrate Deposition. Energy & Fuels, 2018, 32, 3254-3262.	5.1	21
22	Development of a high pressure micromechanical force apparatus. Review of Scientific Instruments, 2014, 85, 095120.	1.3	19
23	Hydrate Management in Deadlegs: Hydrate Deposition Characterization in a 1-in. Vertical Pipe System. Energy & Fuels, 2017, 31, 13536-13544.	5.1	17
24	Hydrate Management in Deadlegs: Detection of Hydrate Deposition Using Permittivity Probe. Energy & Fuels, 2018, 32, 1693-1702.	5.1	16
25	Gas Hydrates Phase Equilibrium with $\text{CaBr}_{2 \cdot 2\text{H}_2\text{O}}$ and $\text{CaBr}_{2 \cdot 2\text{H}_2\text{O}} + \text{MEG}$ at Ultra-High Pressures. Journal of Natural Gas Engineering, 2017, 2, 42-49.	0.3	15
26	Phase equilibria and characterization of CO_2 and SF_6 binary hydrates for CO_2 sequestration. Energy, 2017, 126, 306-311.	8.8	14
27	Gas-Hydrate Phase Equilibrium for Mixtures of Sulfur Hexafluoride and Hydrogen. Journal of Chemical & Engineering Data, 2012, 57, 1433-1436.	1.9	13
28	Phase Behavior and Raman Spectroscopic Analysis for CH_4 and $\text{CH}_4/\text{C}_3\text{H}_8$ Hydrates Formed from NaCl Brine and Monoethylene Glycol Mixtures. Journal of Chemical & Engineering Data, 2018, 63, 2179-2184.	1.9	13
29	Hydrate Management in Deadlegs: Effect of Pipe Size on Hydrate Deposition. Energy & Fuels, 2020, 34, 1422-1431.	5.1	12
30	Facile and Fast Synthesis of Single-Crystalline Fractal Zinc Structures through a Solution Phase Reaction and Their Conversion to Zinc Oxide. Langmuir, 2009, 25, 10223-10229.	3.5	9
31	Guest-Guest Interactions and Co-Occupation by Distinct Guests in the Metastable State of Clathrate Hydrates. Journal of Physical Chemistry C, 2019, 123, 3811-3816.	3.1	7
32	“Continuous” Method for the Fast Screening of Thermodynamic Promoters of Gas Hydrates Using a Quartz Crystal Microbalance. Energy & Fuels, 2012, 26, 767-772.	5.1	6
33	Quantification of the risk for hydrate formation during cool down in a dispersed oil-water system. Korean Journal of Chemical Engineering, 2017, 34, 2043-2048.	2.7	6
34	Hydrate Management for Hydrate Deposition in Gas-Filled Vertical Pipes. , 2019, , .		2