

Boram Lee

List of Publications by Year in descending order

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38
papers

1,408
citations

331259

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329751

37
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38
all docs

38
docs citations

38
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrate Management in Deadlegs: Effect of Pipe Size on Hydrate Deposition. Energy & Fuels, 2020, 34, 1422-1431.	2.5	12
2	Hydrate Management for Hydrate Deposition in Gas-Filled Vertical Pipes. , 2019, , .		2
3	Thermodynamic and kinetic analysis of gas hydrates for desalination of saturated salinity water. Chemical Engineering Journal, 2019, 370, 980-987.	6.6	68
4	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.	1.5	7
5	Hydrate Management in Deadlegs: Effect of Wall Temperature on Hydrate Deposition. Energy & Fuels, 2018, 32, 3254-3262.	2.5	21
6	Hydrate Management in Deadlegs: Detection of Hydrate Deposition Using Permittivity Probe. Energy & Fuels, 2018, 32, 1693-1702.	2.5	16
7	Universal correlation for gas hydrates suppression temperature of inhibited systems: II. Mixed salts and structure type. AIChE Journal, 2018, 64, 2240-2250.	1.8	29
8	Phase Behavior and Raman Spectroscopic Analysis for CH ₄ and CH ₄ /C ₃ H ₈ Hydrates Formed from NaCl Brine and Monoethylene Glycol Mixtures. Journal of Chemical & Engineering Data, 2018, 63, 2179-2184.	1.0	13
9	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.	1.0	33
10	Universal correlation for gas hydrates suppression temperature of inhibited systems: III. salts and organic inhibitors. AIChE Journal, 2018, 64, 4097-4109.	1.8	39
11	Gas hydrate formation from high concentration KCl brines at ultra-high pressures. Journal of Industrial and Engineering Chemistry, 2017, 50, 142-146.	2.9	24
12	Gas Hydrates Phase Equilibria and Formation from High Concentration NaCl Brines up to 200 MPa. Journal of Chemical & Engineering Data, 2017, 62, 1910-1918.	1.0	52
13	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.	1.2	6
14	Phase equilibria and characterization of CO ₂ and SF ₆ binary hydrates for CO ₂ sequestration. Energy, 2017, 126, 306-311.	4.5	14
15	Hydrate Management in Deadlegs: Effect of Header Temperature on Hydrate Deposition. Energy & Fuels, 2017, 31, 11802-11810.	2.5	30
16	Hydrate Management of Deadlegs in Oil and Gas Production Systems - Background and Development of Experimental Systems. Energy & Fuels, 2017, 31, 11783-11792.	2.5	25
17	Phase equilibrium data of methane hydrates in mixed brine solutions. Journal of Natural Gas Science and Engineering, 2017, 46, 750-755.	2.1	32
18	Insight into increased stability of methane hydrates at high pressure from phase equilibrium data and molecular structure. Fluid Phase Equilibria, 2017, 450, 24-29.	1.4	30

#	ARTICLE	IF	CITATIONS
19	Universal correlation for gas hydrates suppression temperature of inhibited systems: I. Single salts. <i>AICHE Journal</i> , 2017, 63, 5111-5124.	1.8	51
20	Hydrate Management in Deadlegs: Hydrate Deposition Characterization in a 1-in. Vertical Pipe System. <i>Energy & Fuels</i> , 2017, 31, 13536-13544.	2.5	17
21	Gas Hydrates Phase Equilibrium with CaBr_2 and $\text{CaBr}_2 + \text{MEG}$ at Ultra-High Pressures. <i>Journal of Natural Gas Engineering</i> , 2017, 2, 42-49.	0.3	15
22	Micromechanical Cohesion Force between Gas Hydrate Particles Measured under High Pressure and Low Temperature Conditions. <i>Langmuir</i> , 2015, 31, 3884-3888.	1.6	27
23	Effects of Promoter on the Formation of Gas Hydrate from Blast Furnace Gas. <i>Korean Chemical Engineering Research</i> , 2015, 53, 103-110.	0.2	1
24	Development of a high pressure micromechanical force apparatus. <i>Review of Scientific Instruments</i> , 2014, 85, 095120.	0.6	19
25	Mechanism of Cohesive Forces of Cyclopentane Hydrates with and without Thermodynamic Inhibitors. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18189-18193.	1.8	26
26	Abnormal incorporation of amino acids into the gas hydrate crystal lattice. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26730-26734.	1.3	47
27	Quantitative measurement and mechanisms for CH_4 production from hydrates with the injection of liquid CO_2 . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14922-14927.	1.3	88
28	Hydrophobic amino acids as a new class of kinetic inhibitors for gas hydrate formation. <i>Scientific Reports</i> , 2013, 3, 2428.	1.6	187
29	Gas-Hydrate Phase Equilibrium for Mixtures of Sulfur Hexafluoride and Hydrogen. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1433-1436.	1.0	13
30	“Continuous” Method for the Fast Screening of Thermodynamic Promoters of Gas Hydrates Using a Quartz Crystal Microbalance. <i>Energy & Fuels</i> , 2012, 26, 767-772.	2.5	6
31	Amino Acids as Natural Inhibitors for Hydrate Formation in CO_2 Sequestration. <i>Environmental Science & Technology</i> , 2011, 45, 5885-5891.	4.6	142
32	Fabrication of ZnO nanoneedle arrays by direct microwave irradiation. <i>Materials Letters</i> , 2009, 63, 739-741.	1.3	27
33	Synthesis of density-controlled ZnO nanoneedle arrays on a flexible substrate by addition of Al salts and use of microwave irradiation. <i>Materials Letters</i> , 2009, 63, 2025-2028.	1.3	13
34	Surfactant effects on SF_6 hydrate formation. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 55-59.	5.0	23
35	Facile and Fast Synthesis of Single-Crystalline Fractal Zinc Structures through a Solution Phase Reaction and Their Conversion to Zinc Oxide. <i>Langmuir</i> , 2009, 25, 10223-10229.	1.6	9
36	Pure SF_6 and SF_6/N_2 Mixture Gas Hydrates Equilibrium and Kinetic Characteristics. <i>Environmental Science & Technology</i> , 2009, 43, 7723-7727.	4.6	48

#	ARTICLE	IF	CITATIONS
37	Large-Scale Fabrication of Sub-20-nm-Diameter ZnO Nanorod Arrays at Room Temperature and Their Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10452-10458.	1.5	50
38	Precursor Effects of Citric Acid and Citrates on ZnO Crystal Formation. <i>Langmuir</i> , 2009, 25, 3825-3831.	1.6	146