Jeong-Hoon Sa

List of Publications by Year
in descending order

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33 papers	1,071 citations	516710 16 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	623 citing authors

#	Article	IF	Citations
1	Universal correlation for gas hydrates suppression temperature of inhibited systems: IV. Water activity. AIChE Journal, 2021, 67, e17293.	3.6	10
2	Advancing Laboratory Characterization and Qualification of Additives for Hydrate Slurry Flow in Multiphase Systems. Industrial & Engineering Chemistry Research, 2021, 60, 719-728.	3.7	2
3	Natural Hydrophilic Amino Acids as Environment-Friendly Gas Hydrate Inhibitors for Carbon Capture and Sequestration. ACS Sustainable Chemistry and Engineering, 2021, 9, 17413-17419.	6.7	16
4	Hydrate Management in Deadlegs: Effect of Pipe Size on Hydrate Deposition. Energy & Fuels, 2020, 34, 1422-1431.	5.1	12
5	Hydrate management in deadlegs: Limiting hydrate deposition with physical restriction. Fuel, 2020, 270, 117506.	6.4	5
6	Hydrate management in deadlegs: Effect of driving force on hydrate deposition. Fuel, 2020, 279, 118481.	6.4	7
7	Gas hydrates porosity and effective volume under multiphase flow conditions. Journal of Natural Gas Science and Engineering, 2020, 79, 103340.	4.4	6
8	Hydrate management in Deadlegs: Effect of water vapor content on hydrate deposition. Fuel, 2020, 273, 117714.	6.4	7
9	Hydrate Management in Deadlegs: Hydrate Deposition in Pipes with Complex Geometry. Fuel, 2020, 269, 117440.	6.4	5
10	Flow Risk Index: A New Metric for Solid Precipitation Assessment in Flow Assurance Management Applied to Gas Hydrate Transportability. Energy & Fuels, 2020, 34, 9371-9378.	5.1	13
11	Investigating the effectiveness of anti-agglomerants in gas hydrates and ice formation. Fuel, 2019, 255, 115841.	6.4	20
12	Promoting gas hydrate formation with ice-nucleating additives for hydrate-based applications. Applied Energy, 2019, 251, 113352.	10.1	43
13	Hydrate Management for Hydrate Deposition in Gas-Filled Vertical Pipes. , 2019, , .		2
14	Rock-Flow Cell: An Innovative Benchtop Testing Tool for Flow Assurance Studies. Industrial & Engineering Chemistry Research, 2019, 58, 8544-8552.	3.7	29
15	Guestâ€“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
16	Hydrate Management in Deadlegs: Effect of Wall Temperature on Hydrate Deposition. Energy & Fuels, 2018, 32, 3254-3262.	5.1	21
17	Hydrate Management in Deadlegs: Detection of Hydrate Deposition Using Permittivity Probe. Energy & Fuels, 2018, 32, 1693-1702.	5.1	16
18	Assessing thermodynamic consistency of gas hydrates phase equilibrium data for inhibited systems. Fluid Phase Equilibria, 2018, 473, 294-299.	2.5	40

#	Article	IF	Citations
19	Universal correlation for gas hydrates suppression temperature of inhibited systems: III. salts and organic inhibitors. AICHE Journal, 2018, 64, 4097-4109.	3.6	39
20	Phase equilibria and characterization of CO 2 and SF 6 binary hydrates for CO 2 sequestration. Energy, 2017, 126, 306-311.	8.8	14
21	Hydrate Management in Deadlegs: Effect of Header Temperature on Hydrate Deposition. Energy & Fuels, 2017, 31, 11802-11810.	5.1	30
22	Hydrate Management of Deadlegs in Oil and Gas Production Systems â€“ Background and Development of Experimental Systems. Energy & Fuels, 2017, 31, 11783-11792.	5.1	25
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	Inhibition of methane and natural gas hydrate formation by altering the structure of water with amino acids. Scientific Reports, 2016, 6, 31582.	3.3	153
25	Improving the tensile strength of carbon nanotube yarn via one-step double [2+1] cycloadditions. Korean Journal of Chemical Engineering, 2016, 33, 299-304.	2.7	15
26	Gas hydrate inhibition by perturbation of liquid water structure. Scientific Reports, 2015, 5, 11526.	3.3	103
27	The influence of boundary layer on the growth kinetics of carbon nanotube forests. Carbon, 2015, 93, 217-225.	10.3	18
28	Effects of Promoter on the Formation of Gas Hydrate from Blast Furnace Gas. Korean Chemical Engineering Research, 2015, 53, 103-110.	0.2	1
29	Abnormal incorporation of amino acids into the gas hydrate crystal lattice. Physical Chemistry Chemical Physics, 2014, 16, 26730-26734.	2.8	47
30	Hydrophobic amino acids as a new class of kinetic inhibitors for gas hydrate formation. Scientific Reports, 2013, 3, 2428.	3.3	187
31	Gas-Hydrate Phase Equilibrium for Mixtures of Sulfur Hexafluoride and Hydrogen. Journal of Chemical & Engineering Data, 2012, 57, 1433-1436.	1.9	13
32	â€œContinuousâ€•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	Amino Acids as Natural Inhibitors for Hydrate Formation in CO₂ Sequestration. Environmental Science & Technology, 2011, 45, 5885-5891.	10.0	142