

Praveen Linga

List of Publications by Year in descending order

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172
papers

15,059
citations

13865

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118
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174
all docs

174
docs citations

174
times ranked

3376
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical perspectives on gas hydrates and citation impact analysis. Canadian Journal of Chemical Engineering, 2023, 101, 583-605.	1.7	3
2	Hydrogen storage as clathrate hydrates in the presence of 1,3-dioxolane as a dual-function promoter. Chemical Engineering Journal, 2022, 427, 131771.	12.7	27
3	Fluid production behavior from water-saturated hydrate-bearing sediments below the quadruple point of CH ₄ +H ₂ O. Applied Energy, 2022, 305, 117902.	10.1	14
4	Experimental investigation on the production performance from oceanic hydrate reservoirs with different buried depths. Energy, 2022, 242, 122542.	8.8	9
5	Solidified Hydrogen Storage (Solid-HyStore) via Clathrate Hydrates. Chemical Engineering Journal, 2022, 431, 133702.	12.7	21
6	Hydrate-Based Gas Storage Application Using Simulated Seawater in the Presence of a Co-Promoter: Morphology Investigation. Energy & Fuels, 2022, 36, 1100-1113.	5.1	17
7	An electrical resistivity-based method for measuring semi-clathrate hydrate formation kinetics: Application for cold storage and transport. Applied Energy, 2022, 308, 118397.	10.1	23
8	CO ₂ Hydrate Formation Kinetics and Morphology Observations Using High-Pressure Liquid CO ₂ Applicable to Sequestration. Energy & Fuels, 2022, 36, 10627-10641.	5.1	19
9	Laboratory demonstration of the stability of CO ₂ hydrates in deep-oceanic sediments. Chemical Engineering Journal, 2022, 432, 134290.	12.7	31
10	Influences of different co-promoters on the mixed methane hydrate formation with salt water at moderate conditions. Fuel, 2022, 316, 123215.	6.4	7
11	Impact of Mobile Water on Energy Production from Methane Hydrates. Energy & Fuels, 2022, 36, 2305-2305.	5.1	2
12	Rapid and energy-dense methane hydrate formation at near ambient temperature using 1,3-dioxolane as a dual-function promoter. Applied Energy, 2022, 311, 118678.	10.1	26
13	Modeling and characterizing the thermal and kinetic behavior of methane hydrate dissociation in sandy porous media. Applied Energy, 2022, 312, 118804.	10.1	20
14	Key factors influencing the kinetics of tetra-n-butylammonium bromide hydrate formation as a cold storage and transport material. Chemical Engineering Journal, 2022, 446, 136843.	12.7	14
15	Significance of Low Stirring Modes on the Kinetics of Methane Hydrate Formation. Energy & Fuels, 2022, 36, 7676-7686.	5.1	5
16	CO ₂ hydrate stability in oceanic sediments under brine conditions. Energy, 2022, 256, 124625.	8.8	22
17	Tuning the fluid production behaviour of hydrate-bearing sediments by multi-stage depressurization. Chemical Engineering Journal, 2021, 406, 127174.	12.7	69
18	Kinetic and Morphology Study of Equimolar CO ₂ +CH ₄ Hydrate Formation in the Presence of Cyclooctane and L-Tryptophan. Energy & Fuels, 2021, 35, 636-648.	5.1	15

#	ARTICLE	IF	CITATIONS
19	Natural Gas Hydrate Formation Using Saline/Seawater for Gas Storage Application. Energy & Fuels, 2021, 35, 5988-6002.	5.1	26
20	Amino Acids as Kinetic Promoters for Gas Hydrate Applications: A Mini Review. Energy & Fuels, 2021, 35, 7553-7571.	5.1	97
21	Coal mine gas separation of methane via clathrate hydrate process aided by tetrahydrofuran and amino acids. Applied Energy, 2021, 287, 116576.	10.1	50
22	Hydrates for cold energy storage and transport: A review. Advances in Applied Energy, 2021, 2, 100022.	13.2	83
23	Virtual Special Issue of Recent Research Advances in China: Unconventional Gas. Energy & Fuels, 2021, 35, 10341-10346.	5.1	1
24	Organic Rankine cycle integrated with hydrate-based desalination for a sustainable energy-water nexus system. Applied Energy, 2021, 291, 116839.	10.1	18
25	Stability analysis of methane hydrates for gas storage application. Chemical Engineering Journal, 2021, 415, 128927.	12.7	42
26	A robust and highly efficient phase boundary method for determining the thermodynamic equilibrium conditions of bulk gas hydrate systems. Fluid Phase Equilibria, 2021, 540, 113034.	2.5	12
27	Calorimetric Assessment of Ternary Methane-Carbon Dioxide-Tetrahydrofuran (CH ₄ -CO ₂ -THF) Hydrates: Application in Storage and Transport of CO ₂ Lean Natural Gas. Energy & Fuels, 2021, 35, 13249-13255.	5.1	8
28	In Situ Characterization of Mixed CH ₄ -THF Hydrates Formed from Seawater: High-Pressure Calorimetric and Spectroscopic Analysis. Journal of Physical Chemistry C, 2021, 125, 16435-16443.	3.1	10
29	Enhanced Kinetic Performance of Amine-Infused Hydrogels for Separating CO ₂ from CH ₄ /CO ₂ Gas Mixture. Energy & Fuels, 2021, 35, 13889-13899.	5.1	7
30	CO ₂ -CH ₄ Hydrate Formation Using L-Tryptophan and Cyclooctane Employing a Conventional Stirred Tank Reactor. Energy & Fuels, 2021, 35, 13224-13239.	5.1	11
31	Hydrogen Economy and Role of Hythane as a Bridging Solution: A Perspective Review. Energy & Fuels, 2021, 35, 15424-15454.	5.1	33
32	Enhanced hydrate formation by natural-like hydrophobic side chain amino acids at ambient temperature: A kinetics and morphology investigation. Fuel, 2021, 299, 120828.	6.4	27
33	Separation of coal mine methane gas mixture via sII and sH hydrate formation. Fuel, 2021, 305, 121467.	6.4	23
34	Effect of L-Tryptophan in Promoting the Kinetics of Carbon Dioxide Hydrate Formation. Energy & Fuels, 2021, 35, 649-658.	5.1	55
35	Techno-Economic Evaluation of Cyclopentane Hydrate-Based Desalination with Liquefied Natural Gas Cold Energy Utilization. Energy Technology, 2020, 8, 1900212.	3.8	24
36	Carbon Dioxide Sequestration via Gas Hydrates: A Potential Pathway toward Decarbonization. Energy & Fuels, 2020, 34, 10529-10546.	5.1	168

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37	Macroscopic Kinetic Investigations on Mixed Natural Gas Hydrate Formation for Gas Storage Application. Energy & Fuels, 2020, 34, 15257-15269.	5.1	33
38	Ultra-rapid uptake and the highly stable storage of methane as combustible ice. Energy and Environmental Science, 2020, 13, 4946-4961.	30.8	130
39	Seawater based mixed methane-THF hydrate formation at ambient temperature conditions. Applied Energy, 2020, 271, 115158.	10.1	29
40	Effect of pressure drawdown rate on the fluid production behaviour from methane hydrate-bearing sediments. Applied Energy, 2020, 271, 115195.	10.1	60
41	Estimation of the thermal conductivity of a heterogeneous CH ₄ -hydrate bearing sample based on particle swarm optimization. Applied Energy, 2020, 271, 115229.	10.1	17
42	Effect of Cyclooctane and L-Tryptophan on Hydrate Formation from an Equimolar CO ₂ -CH ₄ Gas Mixture Employing a Horizontal-Tray Packed Bed Reactor. Energy & Fuels, 2020, 34, 9840-9851.	5.1	23
43	Hydrate-based desalination (HyDesal) process employing a novel prototype design. Chemical Engineering Science, 2020, 218, 115563.	3.8	47
44	Rapid methane storage via sll hydrates at ambient temperature. Applied Energy, 2020, 269, 115142.	10.1	49
45	Effects of temperature and pressure on the methane hydrate formation with the presence of tetrahydrofuran (THF) as a promoter in an unstirred tank reactor. Fuel, 2019, 255, 115705.	6.4	58
46	Investigation of the kinetics of mixed methane hydrate formation kinetics in saline and seawater. Applied Energy, 2019, 253, 113515.	10.1	23
47	On the importance of phase saturation heterogeneity in the analysis of laboratory studies of hydrate dissociation. Applied Energy, 2019, 255, 113861.	10.1	44
48	Effect of wellbore design on the production behaviour of methane hydrate-bearing sediments induced by depressurization. Applied Energy, 2019, 254, 113635.	10.1	80
49	Kinetic promotion of mixed methane-THF hydrate by additives: Opportune to energy storage. Energy Procedia, 2019, 158, 5287-5292.	1.8	12
50	Natural gas storage via clathrate hydrate formation: Effect of carbon dioxide and experimental conditions. Energy Procedia, 2019, 158, 5535-5540.	1.8	7
51	Effect of Multi-Stage Cooling on the Kinetic Behavior of Methane Hydrate Formation in Sandy Medium. Energy Procedia, 2019, 158, 5374-5381.	1.8	3
52	Investigation on the kinetics of methane hydrate formation in the presence of methyl ester sulfonate. Journal of Natural Gas Science and Engineering, 2019, 71, 102999.	4.4	22
53	Methane hydrates: A future clean energy resource. Chinese Journal of Chemical Engineering, 2019, 27, 2026-2036.	3.5	188
54	Clathrate hydrate formation of CO ₂ /CH ₄ mixture at room temperature: Application to direct transport of CO ₂ -containing natural gas. Applied Energy, 2019, 249, 190-203.	10.1	52

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55	Effectiveness of multi-stage cooling processes in improving the CH ₄ -hydrate saturation uniformity in sandy laboratory samples. <i>Applied Energy</i> , 2019, 250, 729-747.	10.1	44
56	Improved Kinetics and Water Recovery with Propane as Co-Guest Gas on the Hydrate-Based Desalination (HyDesal) Process. <i>ChemEngineering</i> , 2019, 3, 31.	2.4	19
57	Economic evaluation of energy efficient hydrate based desalination utilizing cold energy from liquefied natural gas (LNG). <i>Desalination</i> , 2019, 463, 69-80.	8.2	86
58	Kinetic Behavior of CH-Hydrate Formation in a Sandy Medium Induced by a Multi-Stage Cooling Process. , 2019, , .		0
59	Morphology Study of Mixed Methaneâ€“Tetrahydrofuran Hydrates with and without the Presence of Salt. <i>Energy & Fuels</i> , 2019, 33, 4865-4876.	5.1	41
60	Sodium Dodecyl Sulfate Preferentially Promotes Enclathration of Methane in Mixed Methane-Tetrahydrofuran Hydrates. <i>IScience</i> , 2019, 14, 136-146.	4.1	23
61	Thermodynamic and kinetic modelling of mixed CH ₄ -THF hydrate for methane storage application. <i>Chemical Engineering Journal</i> , 2019, 370, 760-771.	12.7	43
62	Innovative Approach To Enhance the Methane Hydrate Formation at Near-Ambient Temperature and Moderate Pressure for Gas Storage Applications. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 22178-22192.	3.7	34
63	LNG cold energy utilization: Prospects and challenges. <i>Energy</i> , 2019, 170, 557-568.	8.8	236
64	Direct use of seawater for rapid methane storage via clathrate (sII) hydrates. <i>Applied Energy</i> , 2019, 235, 21-30.	10.1	48
65	Molecular level investigations and stability analysis of mixed methane-tetrahydrofuran hydrates: Implications to energy storage. <i>Fuel</i> , 2019, 236, 1505-1511.	6.4	50
66	Semiclathrate based CO ₂ capture from fuel gas mixture at ambient temperature: Effect of concentrations of tetra-n-butylammonium fluoride (TBAF) and kinetic additives. <i>Applied Energy</i> , 2018, 217, 377-389.	10.1	58
67	A review of solidified natural gas (SNG) technology for gas storage via clathrate hydrates. <i>Applied Energy</i> , 2018, 216, 262-285.	10.1	420
68	Numerical analysis of experimental studies of methane hydrate formation in a sandy porous medium. <i>Applied Energy</i> , 2018, 220, 681-704.	10.1	92
69	A novel conceptual design of hydrate based desalination (HyDesal) process by utilizing LNG cold energy. <i>Applied Energy</i> , 2018, 222, 13-24.	10.1	131
70	A review of gas hydrate growth kinetic models. <i>Chemical Engineering Journal</i> , 2018, 342, 9-29.	12.7	211
71	Hydraulic fracturing in a penny-shaped crack. Part II: Testing the frackability of methane hydrate-bearing sand. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 52, 619-628.	4.4	78
72	Effect of Eco-Friendly Cyclodextrin on the Kinetics of Mixed Methaneâ€“Tetrahydrofuran Hydrate Formation. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5944-5950.	3.7	28

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73	Effect of horizontal wellbore on the production behavior from marine hydrate bearing sediment. Applied Energy, 2018, 214, 117-130.	10.1	80
74	Hydraulic fracturing in a penny-shaped crack. Part I: Methodology and testing of frozen sand. Journal of Natural Gas Science and Engineering, 2018, 52, 609-618.	4.4	39
75	Enhanced Gas Recovery from Water Saturated Hydrate Bearing Sediments Using Horizontal Wellbore. , 2018, , .		3
76	Fracturing Methane Hydrate in Sand: A Review of the Current Status. , 2018, , .		6
77	Numerical Modelling of Methane Hydrate Dissociation in Sandy Porous Media by Depressurization with a Parametric Study. , 2018, , .		0
78	Hydrate phase equilibrium data of mixed methane-tetrahydrofuran hydrates in saline water. Journal of Chemical Thermodynamics, 2018, 117, 2-8.	2.0	50
79	Numerical Analysis of Experiments on Thermally Induced Dissociation of Methane Hydrates in Porous Media. Industrial & Engineering Chemistry Research, 2018, 57, 5776-5791.	3.7	51
80	Alleviation of Foam Formation in a Surfactant Driven Gas Hydrate System: Insights via a Detailed Morphological Study. ACS Applied Energy Materials, 2018, 1, 6899-6911.	5.1	64
81	Morphology Study on the Effect of Thermodynamic Inhibitors during Methane Hydrate Formation in the Presence of NaCl. Crystal Growth and Design, 2018, 18, 6984-6994.	3.0	22
82	Numerical analysis of experimental studies of methane hydrate dissociation induced by depressurization in a sandy porous medium. Applied Energy, 2018, 230, 444-459.	10.1	104
83	A Review of Clathrate Hydrate Based Desalination To Strengthen Energyâ€™Water Nexus. ACS Sustainable Chemistry and Engineering, 2018, 6, 8093-8107.	6.7	275
84	Kinetic Evaluation of Cyclopentane as a Promoter for CO ₂ Capture via a Clathrate Process Employing Different Contact Modes. ACS Sustainable Chemistry and Engineering, 2018, 6, 11913-11921.	6.7	55
85	Effect of vertical wellbore incorporation on energy recovery from aqueous rich hydrate sediments. Applied Energy, 2018, 229, 637-647.	10.1	42
86	Gas Hydrates. Encyclopedia of Earth Sciences Series, 2018, , 535-541.	0.1	3
87	Effect of KCl and MgCl ₂ on the kinetics of methane hydrate formation and dissociation in sandy sediments. Energy, 2017, 137, 518-529.	8.8	61
88	What are the key factors governing the nucleation of CO ₂ hydrate?. Physical Chemistry Chemical Physics, 2017, 19, 15657-15661.	2.8	75
89	A Review of Reactor Designs and Materials Employed for Increasing the Rate of Gas Hydrate Formation. Energy & Fuels, 2017, 31, 1-13.	5.1	143
90	Experimental investigations on energy recovery from water-saturated hydrate bearing sediments via depressurization approach. Applied Energy, 2017, 204, 1513-1525.	10.1	135

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91	Effect of Biofriendly Amino Acids on the Kinetics of Methane Hydrate Formation and Dissociation. Industrial & Engineering Chemistry Research, 2017, 56, 6145-6154.	3.7	142
92	CO ₂ Hydrates – Effect of Additives and Operating Conditions on the Morphology and Hydrate Growth. Energy Procedia, 2017, 105, 5048-5054.	1.8	19
93	High pressure rheology of gas hydrate formed from multiphase systems using modified Couette rheometer. Review of Scientific Instruments, 2017, 88, 025102.	1.3	48
94	An innovative approach to enhance methane hydrate formation kinetics with leucine for energy storage application. Applied Energy, 2017, 188, 190-199.	10.1	180
95	Advances in nuclear magnetic resonance (NMR) techniques for the investigation of clathrate hydrates. Renewable and Sustainable Energy Reviews, 2017, 74, 1346-1360.	16.4	52
96	CH ₄ Hydrate Formation between Silica and Graphite Surfaces: Insights from Microsecond Molecular Dynamics Simulations. Langmuir, 2017, 33, 11956-11967.	3.5	80
97	Effect of guest gas on the mixed tetrahydrofuran hydrate kinetics in a quiescent system. Applied Energy, 2017, 207, 573-583.	10.1	44
98	Production Behavior from Hydrate Bearing Marine Sediments using Depressurization Approach. Energy Procedia, 2017, 105, 4963-4969.	1.8	10
99	A Review of Clathrate Hydrate Nucleation. ACS Sustainable Chemistry and Engineering, 2017, 5, 11176-11203.	6.7	224
100	Semiclathrate hydrate process for pre-combustion capture of CO ₂ at near ambient temperatures. Applied Energy, 2017, 194, 267-278.	10.1	94
101	Recovering Natural Gas from Gas Hydrates using Horizontal Wellbore. Energy Procedia, 2017, 143, 780-785.	1.8	14
102	Morphological Studies of Mixed Methane Tetrahydrofuran Hydrates in Saline Water for Energy Storage Application. Energy Procedia, 2017, 143, 786-791.	1.8	17
103	Systematic evaluation of semiclathrate-based pre-combustion CO ₂ capture in presence of tetra-n-butylammonium fluoride (TBAF): effect of TBAF concentration and kinetic additives. Energy Procedia, 2017, 143, 506-511.	1.8	6
104	Methane hydrate formation in excess water simulating marine locations and the impact of thermal stimulation on energy recovery. Applied Energy, 2016, 177, 409-421.	10.1	168
105	Experimental Investigation To Elucidate Why Tetrahydrofuran Rapidly Promotes Methane Hydrate Formation Kinetics: Applicable to Energy Storage. Journal of Physical Chemistry C, 2016, 120, 29062-29068.	3.1	57
106	Review of gas hydrate dissociation kinetic models for energy recovery. Journal of Natural Gas Science and Engineering, 2016, 35, 1362-1387.	4.4	231
107	Morphology Study of Methane Hydrate Formation and Dissociation in the Presence of Amino Acid. Crystal Growth and Design, 2016, 16, 5932-5945.	3.0	143
108	Effect of additives on formation and decomposition kinetics of methane clathrate hydrates: Application in energy storage and transportation. Canadian Journal of Chemical Engineering, 2016, 94, 2160-2167.	1.7	30

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109	Mechanism of methane hydrate formation in the presence of hollow silica. Korean Journal of Chemical Engineering, 2016, 33, 2050-2062.	2.7	32
110	Molecular Insights into the Nucleation and Growth of CH ₄ and CO ₂ Mixed Hydrates from Microsecond Simulations. Journal of Physical Chemistry C, 2016, 120, 25225-25236.	3.1	84
111	Enhanced clathrate hydrate formation kinetics at near ambient temperatures and moderate pressures: Application to natural gas storage. Fuel, 2016, 182, 907-919.	6.4	173
112	Impact of fixed bed reactor orientation, liquid saturation, bed volume and temperature on the clathrate hydrate process for pre-combustion carbon capture. Journal of Natural Gas Science and Engineering, 2016, 35, 1499-1510.	4.4	29
113	Review of natural gas hydrates as an energy resource: Prospects and challenges. Applied Energy, 2016, 162, 1633-1652.	10.1	1,328
114	Carbon dioxide hydrate kinetics in porous media with and without salts. Applied Energy, 2016, 162, 1131-1140.	10.1	113
115	Rapid methane hydrate formation to develop a cost effective large scale energy storage system. Chemical Engineering Journal, 2016, 290, 161-173.	12.7	261
116	A systematic kinetic study to evaluate the effect of tetrahydrofuran on the clathrate process for pre-combustion capture of carbon dioxide. Energy, 2016, 94, 431-442.	8.8	45
117	Size Effect of Porous Media on Methane Hydrate Formation and Dissociation in an Excess Gas Environment. Industrial & Engineering Chemistry Research, 2016, 55, 7981-7991.	3.7	108
118	Experimental measurements and modeling of the dissociation conditions of semiclathrate hydrates of tetrabutyl ammonium nitrate and carbon dioxide. Fluid Phase Equilibria, 2016, 413, 80-85.	2.5	15
119	An Experimental Method to Determine the Fracture Toughness of Brittle and Heterogeneous Material by Hydraulic Fracturing. , 2015, , .		2
120	Insights into the Kinetics of Methane Hydrate Formation in a Stirred Tank Reactor by In-situ Raman Spectroscopy. Energy Technology, 2015, 3, 925-934.	3.8	35
121	CO ₂ capture using the clathrate hydrate process employing cellulose foam as a porous media. Canadian Journal of Chemistry, 2015, 93, 808-814.	1.1	39
122	Gas Production from Methane Hydrates in a Dual Wellbore System. Energy & Fuels, 2015, 29, 35-42.	5.1	53
123	New Hydrate Phase Equilibrium Data for Two Binary Gas Mixtures of Hydrogen and Propane Coupled with a Kinetic Study. Journal of Chemical & Engineering Data, 2015, 60, 228-237.	1.9	33
124	Surfactant effect on the kinetics of mixed hydrogen/propane hydrate formation for hydrogen storage as clathrates. Chemical Engineering Science, 2015, 126, 488-499.	3.8	85
125	A review of the hydrate based gas separation (HBGS) process for carbon dioxide pre-combustion capture. Energy, 2015, 85, 261-279.	8.8	481
126	Influence of cationic and non-ionic surfactants on the kinetics of mixed hydrogen/tetrahydrofuran hydrates. Chemical Engineering Science, 2015, 132, 186-199.	3.8	48

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127	Effect of NaCl on methane hydrate formation and dissociation in porous media. Journal of Natural Gas Science and Engineering, 2015, 27, 178-189.	4.4	104
128	Investigation on the roles of activated carbon particle sizes on methane hydrate formation and dissociation. Chemical Engineering Science, 2015, 126, 383-389.	3.8	103
129	Enhanced carbon dioxide hydrate formation kinetics in a fixed bed reactor filled with metallic packing. Chemical Engineering Science, 2015, 122, 78-85.	3.8	80
130	Methane Production from Natural Gas Hydrates via Carbon Dioxide Fixation. Energy Procedia, 2014, 61, 1776-1779.	1.8	14
131	Impact of experimental pressure and temperature on semiclathrate hydrate formation for pre-combustion capture of CO ₂ using tetra-n-butyl ammonium nitrate. Energy, 2014, 78, 458-464.	8.8	29
132	The Impact of Pressure and Temperature on Tetra-n-butyl Ammonium Bromide Semi-clathrate Process for Carbon Dioxide Capture. Energy Procedia, 2014, 61, 1780-1783.	1.8	8
133	Enhanced kinetics for the clathrate process in a fixed bed reactor in the presence of liquid promoters for pre-combustion carbon dioxide capture. Energy, 2014, 70, 664-673.	8.8	61
134	Hydrogen storage in clathrate hydrates: Current state of the art and future directions. Applied Energy, 2014, 122, 112-132.	10.1	337
135	Formation and Dissociation Kinetics of Methane Hydrates in Seawater and Silica Sand. Energy & Fuels, 2014, 28, 2708-2716.	5.1	132
136	Clathrate hydrates for hydrogen storage: The impact of tetrahydrofuran, tetra-n-butylammonium bromide and cyclopentane as promoters on the macroscopic kinetics. International Journal of Hydrogen Energy, 2014, 39, 16234-16243.	7.1	57
137	Unusual behavior of propane as a co-guest during hydrate formation in silica sand: Potential application to seawater desalination and carbon dioxide capture. Chemical Engineering Science, 2014, 117, 342-351.	3.8	131
138	Impact of Fly Ash Impurity on the Hydrate-Based Gas Separation Process for Carbon Dioxide Capture from a Flue Gas Mixture. Industrial & Engineering Chemistry Research, 2014, 53, 9849-9859.	3.7	40
139	Seawater desalination by gas hydrate process and removal characteristics of dissolved ions (Na ⁺ , K ⁺). Tj ETQq1 1 0,784314 rgBT /Ove 299	8.2	299
140	Crystal Growth of Hydrogen/Tetra-n-butylammonium Bromide Semiclathrates Based on Morphology Study. Crystal Growth and Design, 2014, 14, 1950-1960.	3.0	20
141	Thermodynamic and Kinetic Verification of Tetra-n-butyl Ammonium Nitrate (TBANO ₃) as a Promoter for the Clathrate Process Applicable to Precombustion Carbon Dioxide Capture. Environmental Science & Technology, 2014, 48, 3550-3558.	10.0	67
142	Systematic Evaluation of Tetra-n-butyl Ammonium Bromide (TBAB) for Carbon Dioxide Capture Employing the Clathrate Process. Industrial & Engineering Chemistry Research, 2014, 53, 4878-4887.	3.7	104
143	HBGS (hydrate based gas separation) process for carbon dioxide capture employing an unstirred reactor with cyclopentane. Energy, 2013, 63, 252-259.	8.8	125
144	A New Porous Material to Enhance the Kinetics of Clathrate Process: Application to Precombustion Carbon Dioxide Capture. Environmental Science & Technology, 2013, 47, 13191-13198.	10.0	91

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145	Hydrate phase equilibrium of ternary gas mixtures containing carbon dioxide, hydrogen and propane. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 58-63.	2.0	67
146	Medium pressure hydrate based gas separation (HBGS) process for pre-combustion capture of carbon dioxide employing a novel fixed bed reactor. <i>International Journal of Greenhouse Gas Control</i> , 2013, 17, 206-214.	4.6	107
147	Experimental investigation of the effect of poly-N-vinyl pyrrolidone (PVP) on methane/propane clathrates using a new contact mode. <i>Chemical Engineering Science</i> , 2013, 93, 387-394.	3.8	35
148	Morphology of Carbon Dioxide-Hydrogen-Cyclopentane Hydrates with or without Sodium Dodecyl Sulfate. <i>Crystal Growth and Design</i> , 2013, 13, 2047-2059.	3.0	86
149	Pre-combustion capture of carbon dioxide in a fixed bed reactor using the clathrate hydrate process. <i>Energy</i> , 2013, 50, 364-373.	8.8	222
150	Morphology of Methane Hydrate Formation in Porous Media. <i>Energy & Fuels</i> , 2013, 27, 3364-3372.	5.1	145
151	Macroscopic kinetics of hydrate formation of mixed hydrates of hydrogen/tetrahydrofuran for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 4587-4596.	7.1	85
152	Influence of contact medium and surfactants on carbon dioxide clathrate hydrate kinetics. <i>Fuel</i> , 2013, 105, 664-671.	6.4	214
153	Dissociation of Fresh- And Seawater Hydrates along the Phase Boundaries between 2.3 and 17 MPa. <i>Energy & Fuels</i> , 2012, 26, 6240-6246.	5.1	32
154	Enhanced rate of gas hydrate formation in a fixed bed column filled with sand compared to a stirred vessel. <i>Chemical Engineering Science</i> , 2012, 68, 617-623.	3.8	292
155	Numerical Modeling on Non-enzymatic, Potentiometric Glucose Sensor. <i>Portugaliae Electrochimica Acta</i> , 2012, 30, 295-306.	1.1	1
156	Natural Gas Hydrate Formation and Decomposition in the Presence of Kinetic Inhibitors. 2. Stirred Reactor Experiments. <i>Energy & Fuels</i> , 2011, 25, 4384-4391.	5.1	145
157	Gas Hydrates. , 2011, , 49-72.		7
158	Gas hydrate formation process for pre-combustion capture of carbon dioxide. <i>Energy</i> , 2010, 35, 2729-2733.	8.8	227
159	A new apparatus to enhance the rate of gas hydrate formation: Application to capture of carbon dioxide. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 630-637.	4.6	255
160	Enhanced growth of methane-propane clathrate hydrate crystals with sodium dodecyl sulfate, sodium tetradecyl sulfate, and sodium hexadecyl sulfate surfactants. <i>Journal of Crystal Growth</i> , 2010, 313, 68-80.	1.5	152
161	Capture of carbon dioxide from flue or fuel gas mixtures by clathrate crystallization in a silica gel column. <i>International Journal of Greenhouse Gas Control</i> , 2010, 4, 478-485.	4.6	162
162	Recovery of Methane from a Variable-Volume Bed of Silica Sand/Hydrate by Depressurization. <i>Energy & Fuels</i> , 2010, 24, 2947-2955.	5.1	149

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163	Recovery of Methane from Hydrate Formed in a Variable Volume Bed of Silica Sand Particles. Energy & Fuels, 2009, 23, 5508-5516.	5.1	103
164	Two-Stage Clathrate Hydrate/Membrane Process for Precombustion Capture of Carbon Dioxide and Hydrogen. Journal of Environmental Engineering, ASCE, 2009, 135, 411-417.	1.4	92
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