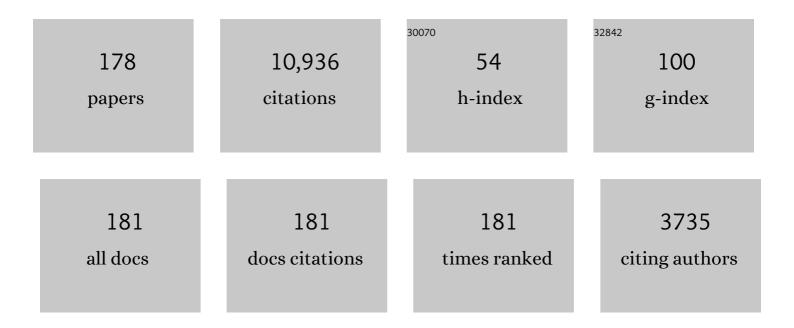
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Stable Low-Pressure Hydrogen Clusters Stored in a Binary Clathrate Hydrate. Science, 2004, 306, 469-471.	12.6	682
2	Microsecond Simulations of Spontaneous Methane Hydrate Nucleation and Growth. Science, 2009, 326, 1095-1098.	12.6	644
3	Towards a fundamental understanding of natural gas hydrates. Chemical Society Reviews, 2002, 31, 157-167.	38.1	540
4	Fundamentals and Applications of Gas Hydrates. Annual Review of Chemical and Biomolecular Engineering, 2011, 2, 237-257.	6.8	367
5	Clathrate Hydrates: From Laboratory Science to Engineering Practice. Industrial & Engineering Chemistry Research, 2009, 48, 7457-7465.	3.7	347
6	Toward Production From Gas Hydrates: Current Status, Assessment of Resources, and Simulation-Based Evaluation of Technology and Potential. SPE Reservoir Evaluation and Engineering, 2009, 12, 745-771.	1.8	335
7	Macroscopic investigation of hydrate film growth at the hydrocarbon/water interface. Chemical Engineering Science, 2007, 62, 6524-6533.	3.8	231
8	Methane Hydrates in Nature—Current Knowledge and Challenges. Journal of Chemical & Engineering Data, 2015, 60, 319-329.	1.9	226
9	Molecular Hydrogen Storage in Binary THFâ^'H2 Clathrate Hydrates. Journal of Physical Chemistry B, 2006, 110, 17121-17125.	2.6	217
10	Interfacial mechanisms governing cyclopentane clathrate hydrate adhesion/cohesion. Physical Chemistry Chemical Physics, 2011, 13, 19796.	2.8	203
11	Natural gas hydrates: Recent advances and challenges in energy and environmental applications. AICHE Journal, 2007, 53, 1636-1643.	3.6	199
12	Interfacial phenomena in gas hydrate systems. Chemical Society Reviews, 2016, 45, 1678-1690.	38.1	189
13	Droplet Size Scaling of Water-in-Oil Emulsions under Turbulent Flow. Langmuir, 2012, 28, 104-110.	3.5	176
14	Experimental flowloop investigations of gas hydrate formation in high water cut systems. Chemical Engineering Science, 2013, 97, 198-209.	3.8	172
15	Surface Chemistry and Gas Hydrates in Flow Assurance. Industrial & Engineering Chemistry Research, 2011, 50, 188-197.	3.7	164
16	Measurements of methane hydrate heat of dissociation using high pressure differential scanning calorimetry. Chemical Engineering Science, 2008, 63, 5848-5853.	3.8	163
17	Properties of the clathrates of hydrogen and developments in their applicability for hydrogen storage. Chemical Physics Letters, 2009, 478, 97-109.	2.6	162
18	Increasing Hydrogen Storage Capacity Using Tetrahydrofuran. Journal of the American Chemical Society, 2009, 131, 14616-14617.	13.7	158

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19	Water ordering around methane during hydrate formation. Journal of Chemical Physics, 2000, 113, 6390-6397.	3.0	145
20	In Situ Studies of the Mass Transfer Mechanism across a Methane Hydrate Film Using High-Resolution Confocal Raman Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 1173-1180.	3.1	137
21	Measuring the particle size of a known distribution using the focused beam reflectance measurement technique. Chemical Engineering Science, 2008, 63, 5410-5419.	3.8	131
22	Micromechanical adhesion force measurements between tetrahydrofuran hydrate particles. Journal of Colloid and Interface Science, 2007, 306, 255-261.	9.4	126
23	Gas hydrates: Unlocking the energy from icy cages. Journal of Applied Physics, 2009, 106, .	2.5	124
24	Calculation of Liquid Waterâ^'Hydrateâ^'Methane Vapor Phase Equilibria from Molecular Simulations. Journal of Physical Chemistry B, 2010, 114, 5775-5782.	2.6	118
25	Measurement and Calibration of Droplet Size Distributions in Water-in-Oil Emulsions by Particle Video Microscope and a Focused Beam Reflectance Method. Industrial & Engineering Chemistry Research, 2010, 49, 1412-1418.	3.7	116
26	Measurements of methane hydrate equilibrium in systems inhibited with NaCl and methanol. Journal of Chemical Thermodynamics, 2012, 48, 1-6.	2.0	109
27	Developing a Comprehensive Understanding and Model of Hydrate in Multiphase Flow: From Laboratory Measurements to Field Applications. Energy & Fuels, 2012, 26, 4046-4052.	5.1	101
28	Assessing the feasibility of hydrate deposition on pipeline walls—Adhesion force measurements of clathrate hydrate particles on carbon steel. Journal of Colloid and Interface Science, 2009, 331, 322-328.	9.4	99
29	Overview of CSMHyK: A transient hydrate formation model. Journal of Petroleum Science and Engineering, 2012, 98-99, 122-129.	4.2	99
30	Overview: Nucleation of clathrate hydrates. Journal of Chemical Physics, 2016, 145, 211705.	3.0	99
31	High Pressure Rheology of Hydrate Slurries Formed from Water-in-Mineral Oil Emulsions. Industrial & Engineering Chemistry Research, 2014, 53, 6998-7007.	3.7	98
32	High-Pressure Rheology of Hydrate Slurries Formed from Water-in-Oil Emulsions. Energy & Fuels, 2012, 26, 3504-3509.	5.1	97
33	Metal–Organic Framework HKUST-1 Promotes Methane Hydrate Formation for Improved Gas Storage Capacity. ACS Applied Materials & Interfaces, 2020, 12, 53510-53518.	8.0	97
34	Thermodynamic predictions of various tetrahydrofuran and hydrogen clathrate hydrates. Fluid Phase Equilibria, 2009, 280, 61-67.	2.5	94
35	Micromechanical Adhesion Force Measurements between Hydrate Particles in Hydrocarbon Oils and Their Modifications. Energy & Fuels, 2009, 23, 5966-5971.	5.1	94
36	Gas Hydrate Deposition on a Cold Surface in Water-Saturated Gas Systems. Industrial & Engineering Chemistry Research, 2013, 52, 6262-6269.	3.7	94

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37	Surfactant Adsorption and Interfacial Tension Investigations on Cyclopentane Hydrate. Langmuir, 2013, 29, 2676-2682.	3.5	92
38	Hydrate formation from high water content-crude oil emulsions. Chemical Engineering Science, 2008, 63, 4570-4579.	3.8	91
39	Micromechanical cohesion force measurements to determine cyclopentane hydrate interfacial properties. Journal of Colloid and Interface Science, 2012, 376, 283-288.	9.4	91
40	Effect of hydrate formation/dissociation on emulsion stability using DSC and visual techniques. Chemical Engineering Science, 2008, 63, 3942-3947.	3.8	89
41	Investigation of the Hydrate Plugging and Non-Plugging Properties of Oils. Journal of Dispersion Science and Technology, 2010, 31, 1100-1119.	2.4	88
42	Influence of Model Oil with Surfactants and Amphiphilic Polymers on Cyclopentane Hydrate Adhesion Forces. Energy & Fuels, 2010, 24, 5441-5445.	5.1	87
43	Raman Studies of Methaneâ~'Ethane Hydrate Metastability. Journal of Physical Chemistry A, 2009, 113, 1711-1716.	2.5	84
44	Rheological Properties of Methane Hydrate Slurries Formed From AOT + Water + Oil Microemulsions. Langmuir, 2013, 29, 10997-11004.	3.5	75
45	Tetra- <i>n</i> -butylammonium Borohydride Semiclathrate: A Hybrid Material for Hydrogen Storage. Journal of Physical Chemistry A, 2009, 113, 6415-6418.	2.5	70
46	Determining gas hydrate kinetic inhibitor effectiveness using emulsions. Chemical Engineering Science, 2009, 64, 180-184.	3.8	69
47	Predicting hydrate plug formation in oil-dominated flowlines. Journal of Petroleum Science and Engineering, 2010, 72, 302-309.	4.2	68
48	Large-Cage Occupancies of Hydrogen in Binary Clathrate Hydrates Dependent on Pressures and Guest Concentrations. Journal of Physical Chemistry C, 2010, 114, 15218-15222.	3.1	68
49	Model Water-in-Oil Emulsions for Gas Hydrate Studies in Oil Continuous Systems. Energy & Fuels, 2013, 27, 4564-4573.	5.1	65
50	Methane Hydrate Growth Promoted by Microporous Zeolitic Imidazolate Frameworks ZIF-8 and ZIF-67 for Enhanced Methane Storage. ACS Sustainable Chemistry and Engineering, 2021, 9, 9001-9010.	6.7	62
51	Methane hydrate formation and decomposition: Structural studies via neutron diffraction and empirical potential structure refinement. Journal of Chemical Physics, 2006, 124, 164508.	3.0	61
52	Desalination using gas hydrates: The role of crystal nucleation, growth and separation. Desalination, 2019, 468, 114049.	8.2	61
53	Hydrogen Storage in Double Clathrates with <i>tert</i> Butylamine. Journal of Physical Chemistry A, 2009, 113, 6540-6543.	2.5	59
54	Hydrate-Based Desalination Using Cyclopentane Hydrates at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2018, 63, 1081-1087.	1.9	59

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55	Adhesion Force between Cyclopentane Hydrate and Mineral Surfaces. Langmuir, 2013, 29, 15551-15557.	3.5	53
56	A Perspective on Rheological Studies of Gas Hydrate Slurry Properties. Engineering, 2018, 4, 321-329.	6.7	53
57	Hydrate formation in sediments from free gas using a one-dimensional visual simulator. Fuel, 2017, 197, 298-309.	6.4	52
58	Time-Resolved in-Situ Experiments on the Crystallization of Natural Gas Hydrates. The Journal of Physical Chemistry, 1996, 100, 6412-6414.	2.9	51
59	Methane Hydrate Formation and Dissociation on Suspended Gas Bubbles in Water. Journal of Chemical & Engineering Data, 2014, 59, 1045-1051.	1.9	51
60	Lowering of Clathrate Hydrate Cohesive Forces by Surface Active Carboxylic Acids. Energy & Fuels, 2012, 26, 5102-5108.	5.1	50
61	Orifice jamming of fluid-driven granular flow. Physical Review E, 2013, 87, 042204.	2.1	50
62	Interfacial Properties and Mechanisms Dominating Gas Hydrate Cohesion and Adhesion in Liquid and Vapor Hydrocarbon Phases. Langmuir, 2017, 33, 11299-11309.	3.5	50
63	Measuring hydrate/ice deposition in a flow loop from dissolved water in live liquid condensate. AICHE Journal, 2009, 55, 1882-1888.	3.6	49
64	Phase Equilibrium Data and Model Comparisons for H ₂ S Hydrates. Journal of Chemical & Engineering Data, 2015, 60, 403-408.	1.9	49
65	Predicting When and Where Hydrate Plugs Form in Oil-Dominated Flowlines. SPE Projects, Facilities and Construction, 2009, 4, 80-86.	0.2	46
66	Jamming of particles in a two-dimensional fluid-driven flow. Physical Review E, 2012, 86, 061311.	2.1	46
67	Micromechanical measurements of the effect of surfactants on cyclopentane hydrate shell properties. Physical Chemistry Chemical Physics, 2016, 18, 594-600.	2.8	46
68	Effect of wax/anti-agglomerant interactions on hydrate depositing systems. Fuel, 2020, 264, 116573.	6.4	46
69	Thermodynamic and Kinetic Promoters for Gas Hydrate Technological Applications. Energy & Fuels, 2021, 35, 19288-19301.	5.1	46
70	Investigating the Thermodynamic Stabilities of Hydrogen and Methane Binary Gas Hydrates. Journal of Physical Chemistry C, 2014, 118, 3783-3788.	3.1	45
71	Adhesion force interactions between cyclopentane hydrate and physically and chemically modified surfaces. Physical Chemistry Chemical Physics, 2014, 16, 25121-25128.	2.8	45
72	Viscosity and yield stresses of ice slurries formed in water-in-oil emulsions. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 859-866.	2.4	41

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73	New in Situ Measurements of the Viscosity of Gas Clathrate Hydrate Slurries Formed from Model Water-in-Oil Emulsions. Langmuir, 2017, 33, 11436-11445.	3.5	41
74	Direct measurements of the interactions between clathrate hydrate particles and water droplets. Physical Chemistry Chemical Physics, 2015, 17, 20021-20029.	2.8	40
75	Simulating Hydrate Growth and Transport Behavior in Gas-Dominant Flow. Energy & Fuels, 2018, 32, 1012-1023.	5.1	40
76	Efficient route to phase selective synthesis of type II silicon clathrates with low sodium occupancy. CrystEngComm, 2014, 16, 3940-3949.	2.6	39
77	Self-preservation and structural transition of gas hydrates during dissociation below the ice point: an in situ study using Raman spectroscopy. Scientific Reports, 2016, 6, 38855.	3.3	39
78	A transient simulation model to predict hydrate formation rate in both oil- and water-dominated systems in pipelines. Journal of Natural Gas Science and Engineering, 2018, 58, 126-134.	4.4	37
79	Influence of Wax on Cyclopentane Clathrate Hydrate Cohesive Forces and Interfacial Properties. Energy & Fuels, 2020, 34, 1482-1491.	5.1	36
80	Predicting Hydrate-Plug Formation in a Subsea Tieback. SPE Production and Operations, 2009, 24, 573-578.	0.6	33
81	Predicting Hydrate Blockages in Oil, Gas and Water-Dominated Systems. , 2012, , .		31
82	High pressure micromechanical force measurements of the effects of surface corrosion and salinity on CH ₄ /C ₂ H ₆ hydrate particle–surface interactions. Physical Chemistry Chemical Physics, 2017, 19, 13307-13315.	2.8	31
83	Direct Measurements of Contact Angles on Cyclopentane Hydrates. Energy & Fuels, 2018, 32, 6619-6626.	5.1	31
84	Equilibrium Data of Gas Hydrates containing Methane, Propane, and Hydrogen Sulfide. Journal of Chemical & Engineering Data, 2015, 60, 424-428.	1.9	30
85	CH4/C2H6 gas hydrate interparticle interactions in the presence of anti-agglomerants and salinity. Fuel, 2020, 269, 117208.	6.4	30
86	NMR Study of Methane + Ethane Structure I Hydrate Decomposition. Journal of Physical Chemistry A, 2007, 111, 4297-4303.	2.5	29
87	Freezing/melting of water in the confined nanospace of carbon materials: Effect of an external stimulus. Carbon, 2020, 158, 346-355.	10.3	29
88	Hydrate formation management simulations with anti-agglomerants and thermodynamic inhibitors in a subsea tieback. Fuel, 2019, 252, 458-468.	6.4	28
89	Gas Hydrate Stability and Sampling: The Future as Related to the Phase Diagram. Energies, 2010, 3, 1991-2000.	3.1	27
90	Hydrate Plug Dissociation via Nitrogen Purge: Experiments and Modeling. Energy & Fuels, 2011, 25, 2572-2578.	5.1	27

#	Article	IF	CITATIONS
91	Advancements in hydrate phase equilibria and modeling of gas hydrates systems. Fluid Phase Equilibria, 2018, 463, 48-61.	2.5	27
92	A preliminary approach to modeling gas hydrate/ice deposition from dissolved water in a liquid condensate system. AICHE Journal, 2009, 55, 1889-1897.	3.6	26
93	Hydrate Risk Assessment and Restart-Procedure Optimization of an Offshore Well Using a Transient Hydrate Prediction Model. Oil and Gas Facilities, 2012, 1, 49-56.	0.4	26
94	Mechanism of Cohesive Forces of Cyclopentane Hydrates with and without Thermodynamic Inhibitors. Industrial & Engineering Chemistry Research, 2014, 53, 18189-18193.	3.7	26
95	Review of vapor-liquid equilibria of gas hydrate formers and phase equilibria of hydrates. Journal of Natural Gas Science and Engineering, 2016, 35, 1388-1404.	4.4	24
96	Microscale Detection of Hydrate Blockage Onset in High-Pressure Gas–Water Systems. Energy & Fuels, 2017, 31, 4875-4885.	5.1	24
97	Review of gas hydrate anti-agglomerant screening techniques. Fuel, 2022, 319, 122862.	6.4	24
98	Hydrate Growth on Methane Gas Bubbles in the Presence of Salt. Langmuir, 2020, 36, 84-95.	3.5	23
99	Competitive Interfacial Effects of Surfactant Chemicals on Clathrate Hydrate Particle Cohesion. Energy & Fuels, 2016, 30, 8065-8071.	5.1	22
100	Integrated gas hydrate-membrane system for natural gas purification. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	22
101	Chabazite Zeolite SAPO-34 Membranes for He/CH ₄ Separation. , 2019, 1, 655-659.		22
102	Development of a Tool to Assess Hydrate-Plug-Formation Risk in Oil-Dominant Pipelines. SPE Journal, 2015, 20, 884-892.	3.1	21
103	Experimental Investigation of Gas-Hydrate Formation and Particle Transportability in Fully and Partially Dispersed Multiphase-Flow Systems Using a High-Pressure Flow Loop. SPE Journal, 2018, 23, 937-951.	3.1	21
104	The effect of surfactants on hydrate particle agglomeration in liquid hydrocarbon continuous systems: a molecular dynamics simulation study. RSC Advances, 2020, 10, 31027-31038.	3.6	21
105	Silicon clathrates for lithium ion batteries: A perspective. Applied Physics Reviews, 2016, 3, .	11.3	20
106	Cyclopentane hydrate cohesion measurements and phase equilibrium predictions. Journal of Natural Gas Science and Engineering, 2016, 35, 1435-1440.	4.4	20
107	Rapid assessments of hydrate blockage risk in oil-continuous flowlines. Journal of Natural Gas Science and Engineering, 2016, 30, 284-294.	4.4	20
108	Catalytic oxidation for air pollution control. Environmental Science and Pollution Research, 1996, 3, 20-23.	5.3	19

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109	Development of a high pressure micromechanical force apparatus. Review of Scientific Instruments, 2014, 85, 095120.	1.3	19
110	Surface morphology effects on clathrate hydrate wettability. Journal of Colloid and Interface Science, 2022, 611, 421-431.	9.4	19
111	The kinetic effects of hydrate anti-agglomerants/surfactants. Fuel, 2022, 318, 123566.	6.4	19
112	Low-Adhesion Coatings as a Novel Gas Hydrate Mitigation Strategy. , 2017, , .		18
113	Structural Effects of Gas Hydrate Antiagglomerant Molecules on Interfacial Interparticle Force Interactions. Langmuir, 2021, 37, 1651-1661.	3.5	18
114	Porous Organic Cage CC3: An Effective Promoter for Methane Hydrate Formation for Natural Gas Storage. Journal of Physical Chemistry C, 2021, 125, 20512-20521.	3.1	18
115	Separation of dichloromethane-nitrogen mixtures by adsorption: experimental and molecular simulation studies. Molecular Physics, 2002, 100, 2087-2095.	1.7	17
116	Inorganic and methane clathrates: Versatility of guest–host compounds for energy harvesting. MRS Energy & Sustainability, 2015, 2, 1.	3.0	17
117	Perspective on the role of particle size measurements in gas hydrate agglomeration predictions. Fuel, 2021, 304, 121385.	6.4	16
118	Promoting Methane Hydrate Formation for Natural Gas Storage over Chabazite Zeolites. ACS Applied Energy Materials, 2021, 4, 13420-13424.	5.1	16
119	Hydrate Agglomeration in Crude Oil Systems in Which the Asphaltene Aggregation State Is Artificially Modified. SPE Journal, 2021, 26, 1189-1199.	3.1	15
120	Observation of Interstitial Molecular Hydrogen in Clathrate Hydrates. Angewandte Chemie - International Edition, 2014, 53, 10710-10713.	13.8	14
121	Measurement of the water droplet size in water-in-oil emulsions using low field nuclear magnetic resonance for gas hydrate slurry applications. Canadian Journal of Chemistry, 2015, 93, 1007-1013.	1.1	14
122	Mean activity coefficient of electrolytes: A critical evaluation of four physical models. Journal of Natural Gas Science and Engineering, 2016, 35, 1355-1361.	4.4	14
123	Correlating Antiagglomerant Performance with Gas Hydrate Cohesion. ACS Applied Materials & Interfaces, 2021, 13, 40002-40012.	8.0	13
124	Cyclopentane hydrate slurry viscosity measurements coupled with visualisation. Molecular Physics, 2019, 117, 3860-3870.	1.7	12
125	Water Wettability Coupled with Film Growth on Realistic Cyclopentane Hydrate Surfaces. Langmuir, 2021, 37, 12447-12456.	3.5	12
126	Machine Learning Models to Predict Gas Hydrate Plugging Risks Using Flowloop and Field Data. , 2019, ,		11

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127	Effect of Naphthenate Formation on the Anti-Adhesive Behavior of Clathrate Hydrates at a Water–Oil Interface. Industrial & Engineering Chemistry Research, 2019, 58, 5064-5070.	3.7	11
128	Hydrate Formation and Transportability Investigations in a High-Pressure Flowloop During Transient Shut-in / Restart Operations. , 2017, , .		10
129	Hydrate-Bedding Mechanisms in Partially Dispersed Water/Oil Systems. SPE Journal, 2020, 25, 0925-0937.	3.1	10
130	Gas hydrate deposit formation in transient flowloop tests and mitigation with a surface treatment. Fuel, 2022, 311, 122532.	6.4	10
131	Energy Transition and Climate Mitigation Require Increased Effort on Methane Hydrate Research. Energy & Fuels, 2022, 36, 2923-2926.	5.1	10
132	Methane storage scale-up using hydrates & metal organic framework HKUST-1 in a packed column. Fuel, 2022, 325, 124920.	6.4	10
133	Measurements of Cohesion Hysteresis between Cyclopentane Hydrates in Liquid Cyclopentane. Energy & Fuels, 2013, 27, 5168-5174.	5.1	9
134	Group IV clathrates: synthesis, optoelectonic properties, and photovoltaic applications. Proceedings of SPIE, 2014, , .	0.8	9
135	Investigating Gas Hydrate Formation in Moderate to High Water Cut Crude Oil Containing Arquad and Salt, Using Differential Scanning Calorimetry. Energy & Fuels, 2016, 30, 2555-2562.	5.1	9
136	New Insights on a µm-Scale into the Transformation Process of CH4 Hydrates to CO2-Rich Mixed Hydrates. Energies, 2020, 13, 5908.	3.1	9
137	Water content of carbon dioxide at hydrate forming conditions. Fuel, 2020, 279, 118430.	6.4	9
138	Carbon dioxide hydrate in a microfluidic device: Phase boundary and crystallization kinetics measurements with micro-Raman spectroscopy. Journal of Chemical Physics, 2021, 154, 114710.	3.0	9
139	Generation of Best Practices in Flow Assurance Using a Transient Hydrate Kinetics Model. , 2011, , .		8
140	The Study of Gas Hydrate Formation and Particle Transportability Using A High Pressure Flowloop. , 2016, , .		8
141	Study of Anti-Agglomerant Low Dosage Hydrate Inhibitor Performance. , 2017, , .		8
142	Changing the Hydrate Management Guidelines: From Benchtop Experiments to CSMHyK Field Simulations. Energy & Fuels, 2020, 34, 13523-13535.	5.1	8
143	Quantitative Framework for Hydrate Bedding and Transient Particle Agglomeration. Industrial & Engineering Chemistry Research, 2020, 59, 12580-12589.	3.7	8
144	Insight into the plugging mechanism in water-continuous hydrate slurries. Fuel, 2022, 316, 123360.	6.4	8

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145	A Review of Hydrate Formation for Partially Dispersed Systems in Multiphase Flow Conditions and the Detection of Hydrate Deposits. , 2017, , .		7
146	Predicting Hydrate Plugging Risk in Oil Dominated Systems using a Transient Hydrate Film Growth Prediction Tool. , 2020, , .		7
147	Phase behavior and kinetics properties of gas hydrates in confinement and its application. AICHE Journal, 2021, 67, e17176.	3.6	7
148	Hydrate-Based Separation for Industrial Gas Mixtures. Energies, 2022, 15, 966.	3.1	7
149	Comment on "A deuteron NMR study of the tetrahydrofuran clathrate hydrate. Part II: Coupling of rotational and translational dynamics of water―by T. M. Kirschgen, M. D. Zeidler, B. Geil and F. Fujara, Phys. Chem. Chem. Phys., 2003,5, 5247. Physical Chemistry Chemical Physics, 2004, 6, 871-872.	2.8	6
150	Predicting Hydrate Blockage Formation in Gas-Dominant Systems. , 2018, , .		6
151	Deposition Mitigation in Flowing Systems Using Coatings. , 2019, , .		6
152	Rapid screening method for hydrate agglomeration and plugging assessment using high pressure differential scanning calorimetry. Fuel, 2021, 306, 121625.	6.4	6
153	Synthesis and characterization of type II silicon clathrate films with low Na concentration. Applied Physics Reviews, 2021, 8, .	11.3	6
154	Modeling Hydrate Formation Management with Anti-Agglomerant Injection in a Subsea Tieback. , 2018, , .		5
155	Electron paramagnetic resonance study of type-II silicon clathrate with low sodium guest concentration. Physical Review B, 2020, 101, .	3.2	5
156	Vapour-liquid equilibria (VLE) and gas hydrate phase equilibria predictions using the cubic-plus association equation of state: CSMGem extension to association EoS model. Journal of Natural Gas Science and Engineering, 2021, 94, 104083.	4.4	5
157	The Effect of Chemistry and System Conditions on Hydrate Interparticle Adhesion Forces Toward Aggregation and Hydrate Plug Formation. , 2011, , .		4
158	Hydrate Agglomeration in Crude Oil Systems in Which the Asphaltene Aggregation State is Artificially Modified. , 2019, , .		4
159	Gas Hydrate Formation & Transportability During Transient Shut-In/Restart Conditions. , 2020, , .		4
160	Perspective on the oil-dominated gas hydrate plugging conceptual picture as applied to transient Shut-In/Restart. Fuel, 2022, 324, 124606.	6.4	4
161	Stability and Growth of Methane Hydrates in Confined Media for Carbon Sequestration. Journal of Physical Chemistry C, 2022, 126, 11800-11809.	3.1	4
162	New Frontiers: Hydrates in Porous Media. World Scientific Series in Nanoscience and Nanotechnology, 2015, , 91-113.	0.1	3

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163	Study of Hydrate Anti-Agglomerant Dosage Effectiveness in a High-Pressure Stirred Autoclave Equipped with Particle-Analysis Probes. SPE Journal, 2021, 26, 1200-1212.	3.1	3
164	Hydrate bedding modeling in oil-dominated systems. Fuel, 2021, 289, 119901.	6.4	3
165	Self-preservation phenomenon in gas hydrates and its application for energy storage. , 2021, , 267-285.		3
166	Midstream on a chip: ensuring safe carbon dioxide transportation for carbon capture and storage. Lab on A Chip, 2022, 22, 1594-1603.	6.0	3
167	Structure-Property-Comparisons of Clathrasils and Gas Hydrates. Transactions of the Indian Institute of Metals, 2019, 72, 2229-2237.	1.5	2
168	Reducing THI Injection and Gas Hydrate Agglomeration by Under-Inhibition of Crude Oil Systems. , 2021, , .		2
169	Gas Hydrate Research: From the Laboratory to the Pipeline. , 2022, , 3-13.		2
170	Preface for the ACS-JCED Special Issue on Gas Hydrates in Honor of E. Dendy Sloan's 70th Birthday. Journal of Chemical & Engineering Data, 2015, 60, 213-213.	1.9	1
171	Gas Hydrate Formation in High Water Content Systems Containing Anti-Agglomerat and Salt. , 2017, , .		1
172	Assessing Hydrate Formation in a Gas Condensate Subsea Tieback Using a Transient Hydrate Simulation Tool. , 2019, , .		1
173	Application of a Transient Deposition Model for Hydrate Management in a Subsea Gas-Condensate Tieback. , 2019, , .		1
174	Early Detection and Assessment of Asphaltene Precipitation and Gas Hydrate Formation at Field Conditions. , 2022, , .		1
175	Hydrogen Storage in tri-Methylamine Clathrates. , 2010, , .		Ο
176	Interfacial Tension and Mineral Adhesion Properties of Cyclopentane Hydrate. , 2013, , .		0
177	Scale-Up and Modeling Efforts Using an Omniphobic Surface Treatment for Mitigating Solids Deposition. , 2022, , .		Ο
178	Introducing New Associate Editor Carolyn Koh and Research on Gas Hydrates Suitable for <i>JCED</i> . Journal of Chemical & Engineering Data, 0, , .	1.9	0