

List of Publications by Year in descending order

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papers

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citations

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all docs

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docs citations

50
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on hydrate growth at the oil-water interface: In the presence of asphaltene. Chinese Journal of Chemical Engineering, 2022, 45, 211-218.	3.5	14
2	3D CFD simulation of the liquid flow in a rotating packed bed with structured wire mesh packing. Chemical Engineering Journal, 2022, 427, 130874.	12.7	10
3	Investigation into the formation, blockage and dissociation of cyclopentane hydrate in a visual flow loop. Fuel, 2022, 307, 121730.	6.4	9
4	Numerical simulation of hydrate slurry flow and deposit behavior based on openfoam-IATE. Fuel, 2022, 310, 122426.	6.4	5
5	Modeling of gas-liquid flow in a rotating packed bed using an Eulerian multi-fluid approach. AIChE Journal, 2022, 68, .	3.6	7
6	Visualization experimental and numerical study on multiphase flow characteristics of main cryogenic heat exchanger in offshore liquefied natural gas industry chain. Cryogenics, 2022, 124, 103490.	1.7	1
7	Determination of thickness and air-void distribution within the iron carbonate layers using X-ray computed tomography. Corrosion Science, 2021, 179, 109153.	6.6	13
8	Optimization and experiment on the dual nitrogen expansion liquefaction process with pre-cooling. Cryogenics, 2021, 114, 103243.	1.7	5
9	An experimental study on the choked flow characteristics of CO2 pipelines in various phases. Chinese Journal of Chemical Engineering, 2021, 32, 17-26.	3.5	3
10	Improvement of offshore adaptability of main cryogenic heat exchanger in FLNG dual mixed refrigerant liquefaction process. International Journal of Heat and Mass Transfer, 2021, 169, 120909.	4.8	12
11	Investigation on Hydrate Growth at the Oil-Water Interface: In the Presence of Wax and Surfactant. Langmuir, 2021, 37, 6838-6845.	3.5	23
12	Investigation on Hydrate Growth at Oil-Water Interface: In the Presence of Wax. Energy & Fuels, 2021, 35, 11884-11895.	5.1	10
13	A machine learning model for predicting the mass transfer performance of rotating packed beds based on a least squares support vector machine approach. Chemical Engineering and Processing: Process Intensification, 2021, 165, 108432.	3.6	8
14	Computational fluid dynamics study of CO2 dispersion with phase change of water following the release of supercritical CO2 pipeline. Chemical Engineering Research and Design, 2021, 154, 315-328.	5.6	5
15	An approach of quantitative risk assessment for release of supercritical CO2 pipelines. Journal of Natural Gas Science and Engineering, 2021, 94, 104131.	4.4	8
16	An Experiment on Flashing-Spray Jet Characteristics of Supercritical CO2 from Various Orifice Geometries. Frontiers in Energy Research, 2021, 9, .	2.3	1
17	Experimental and numerical study on the falling film flow characteristics outside circular tube applied in floating liquefied natural gas (FLNG) under offshore conditions. International Journal of Heat and Fluid Flow, 2021, 92, 108883.	2.4	14
18	Experimental investigation of LNG release underwater and combustion behavior under crosswinds. Chemical Engineering Research and Design, 2020, 134, 239-246.	5.6	11

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19	CFD analysis of the hydrodynamic characteristics in a rotating packed bed with multi-nozzles. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 158, 108107.	3.6	26
20	Quantifying leakage and dispersion behaviors for sub-sea natural gas pipelines. <i>Ocean Engineering</i> , 2020, 216, 108107.	4.3	16
21	Investigation on Hydrate Growth at the Oil-Water Interface: In the Presence of Wax and Kinetic Hydrate Inhibitor. <i>Langmuir</i> , 2020, 36, 14881-14891.	3.5	21
22	A homogeneous relaxation model for multi-phase CO ₂ jets following the release of supercritical CO ₂ pipelines. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103609.	4.4	13
23	Experimental research of flow rate and diffusion behavior of nature gas leakage underwater. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 65, 104119.	3.3	16
24	Hydrodynamic characteristics and mass transfer performance of rotating packed bed for CO ₂ removal by chemical absorption: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 79, 103373.	4.4	31
25	Experiment and dynamic simulation study on propane pre-cooling double nitrogen-expander liquefaction process for medium-pilot LNG plant. <i>Applied Thermal Engineering</i> , 2020, 170, 114994.	6.0	13
26	Experimental research on natural gas leakage underwater and burning flame on the water surface. <i>Chemical Engineering Research and Design</i> , 2020, 139, 161-170.	5.6	20
27	Experimental research of LNG accidental underwater release and combustion behavior. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 64, 104036.	3.3	9
28	Experimental study of falling film flow characteristics outside shaped tubes related to a spiral-wound heat exchanger. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2347.	1.5	2
29	Experimental Study on Thermal Performance of FLNG Spiral Wound Heat Exchanger under Sloshing Conditions. <i>Journal of Thermal Science</i> , 2019, 28, 1042-1053.	1.9	8
30	Experimental and numerical simulation study on the offshore adaptability of spiral wound heat exchanger in LNG-FPSO DMR natural gas liquefaction process. <i>Energy</i> , 2019, 189, 116178.	8.8	23
31	Effect of compound sloshing conditions on pressure drop and heat transfer characteristics for FLNG spiral wound heat exchanger. <i>Applied Thermal Engineering</i> , 2019, 159, 113791.	6.0	21
32	Numerical study of the falling film thickness around the tube bundle with different spacings between spray holes and tubes under tilt and sloshing conditions. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 184-193.	4.8	22
33	Experiment on adaptability of feed gas flow rate and sea conditions on FLNG spiral wound heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 659-666.	4.8	11
34	Experimental study on dispersion behavior during the leakage of high pressure CO ₂ pipelines. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 77-84.	2.7	26
35	An experimental study on the flow characteristics during the leakage of high pressure CO ₂ pipelines. <i>Chemical Engineering Research and Design</i> , 2019, 125, 92-101.	5.6	30
36	Offshore adaptability of the nitrogen expander liquefaction process with pre-cooling. <i>Applied Thermal Engineering</i> , 2019, 155, 373-385.	6.0	19

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37	Experimental study of flow distribution in plate-fin heat exchanger and its influence on natural gas liquefaction performance. Applied Thermal Engineering, 2019, 155, 398-417.	6.0	16
38	Experimental investigation on the microprocess of hydrate particle agglomeration using a high-speed camera. Fuel, 2019, 237, 475-485.	6.4	44
39	A new model for predicting the decompression behavior of CO ₂ mixtures in various phases. Chemical Engineering Research and Design, 2018, 120, 237-247.	5.6	18
40	Evolution and Size Distribution of Solid CO ₂ Particles in Supercritical CO ₂ Releases. Industrial & Engineering Chemistry Research, 2018, 57, 7655-7663.	3.7	7
41	Experimental study of near-field structure and thermo-hydraulics of supercritical CO ₂ releases. Energy, 2018, 157, 806-814.	8.8	16
42	Experimental research on the adaptability of liquid natural gas spiral wound heat exchanger in dual mixed refrigeration liquefaction process. Experimental Thermal and Fluid Science, 2018, 98, 124-136.	2.7	10
43	Experimental studies on the enhanced performance of lightweight oil recovery using a combined electrocoagulation and magnetic field processes. Chemosphere, 2018, 205, 601-609.	8.2	26
44	Quantitative analysis on removal path of emulsified oil in the reactor of EC. Separation and Purification Technology, 2017, 178, 288-297.	7.9	14
45	Experimental tube-side pressure drop characteristics of FLNG spiral wound heat exchanger under sloshing conditions. Experimental Thermal and Fluid Science, 2017, 88, 194-201.	2.7	27
46	Sensibility Analysis of Pre-cooling Cold Box Pipeline Blockage in DMR Liquefaction Process. Energy Procedia, 2017, 142, 3276-3281.	1.8	2
47	Numerical Investigation of Deposition Characteristics of Solid CO ₂ During Choked Flow for CO ₂ Pipelines. , 2016, , .		1
48	Decompression characteristics of CO ₂ pipelines following rupture. Journal of Natural Gas Science and Engineering, 2016, 36, 213-223.	4.4	27
49	Multiphase mixture model to predict temperature drop in highly choked conditions in CO ₂ enhanced oil recovery. Applied Thermal Engineering, 2016, 108, 670-679.	6.0	32
50	Sloshing resistance and gas-liquid distribution performance in the entrance of LNG plate-fin heat exchangers. Applied Thermal Engineering, 2015, 82, 182-193.	6.0	39