

List of Publications by Year in descending order

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50
papers

765
citations

471509

17
h-index

610901

24
g-index

50
all docs

50
docs citations

50
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation on the microprocess of hydrate particle agglomeration using a high-speed camera. <i>Fuel</i> , 2019, 237, 475-485.	6.4	44
2	Sloshing resistance and gas-liquid distribution performance in the entrance of LNG plate-fin heat exchangers. <i>Applied Thermal Engineering</i> , 2015, 82, 182-193.	6.0	39
3	Multiphase mixture model to predict temperature drop in highly choked conditions in CO2 enhanced oil recovery. <i>Applied Thermal Engineering</i> , 2016, 108, 670-679.	6.0	32
4	Hydrodynamic characteristics and mass transfer performance of rotating packed bed for CO2 removal by chemical absorption: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 79, 103373.	4.4	31
5	An experimental study on the flow characteristics during the leakage of high pressure CO2 pipelines. <i>Chemical Engineering Research and Design</i> , 2019, 125, 92-101.	5.6	30
6	Decompression characteristics of CO2 pipelines following rupture. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 213-223.	4.4	27
7	Experimental tube-side pressure drop characteristics of FLNG spiral wound heat exchanger under sloshing conditions. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 194-201.	2.7	27
8	Experimental studies on the enhanced performance of lightweight oil recovery using a combined electrocoagulation and magnetic field processes. <i>Chemosphere</i> , 2018, 205, 601-609.	8.2	26
9	Experimental study on dispersion behavior during the leakage of high pressure CO2 pipelines. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 77-84.	2.7	26
10	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
11	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
12	Investigation on Hydrate Growth at the Oil-Water Interface: In the Presence of Wax and Surfactant. <i>Langmuir</i> , 2021, 37, 6838-6845.	3.5	23
13	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
14	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
15	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
16	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
17	Offshore adaptability of the nitrogen expander liquefaction process with pre-cooling. <i>Applied Thermal Engineering</i> , 2019, 155, 373-385.	6.0	19
18	A new model for predicting the decompression behavior of CO2 mixtures in various phases. <i>Chemical Engineering Research and Design</i> , 2018, 120, 237-247.	5.6	18

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19	Experimental study of near-field structure and thermo-hydraulics of supercritical CO ₂ releases. <i>Energy</i> , 2018, 157, 806-814.	8.8	16
20	Experimental study of flow distribution in plate-fin heat exchanger and its influence on natural gas liquefaction performance. <i>Applied Thermal Engineering</i> , 2019, 155, 398-417.	6.0	16
21	Quantifying leakage and dispersion behaviors for sub-sea natural gas pipelines. <i>Ocean Engineering</i> , 2020, 216, 108107.	4.3	16
22	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
23	Quantitative analysis on removal path of emulsified oil in the reactor of EC. <i>Separation and Purification Technology</i> , 2017, 178, 288-297.	7.9	14
24	Investigation on hydrate growth at the oil-water interface: In the presence of asphaltene. <i>Chinese Journal of Chemical Engineering</i> , 2022, 45, 211-218.	3.5	14
25	Experimental and numerical study on the falling film flow characteristics outside circular tube applied in floating liquefied natural gas (FLNG) under offshore conditions. <i>International Journal of Heat and Fluid Flow</i> , 2021, 92, 108883.	2.4	14
26	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
27	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
28	Determination of thickness and air-void distribution within the iron carbonate layers using X-ray computed tomography. <i>Corrosion Science</i> , 2021, 179, 109153.	6.6	13
29	Improvement of offshore adaptability of main cryogenic heat exchanger in FLNG dual mixed refrigerant liquefaction process. <i>International Journal of Heat and Mass Transfer</i> , 2021, 169, 120909.	4.8	12
30	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
31	Experimental investigation of LNG release underwater and combustion behavior under crosswinds. <i>Chemical Engineering Research and Design</i> , 2020, 134, 239-246.	5.6	11
32	Experimental research on the adaptability of liquid natural gas spiral wound heat exchanger in dual mixed refrigeration liquefaction process. <i>Experimental Thermal and Fluid Science</i> , 2018, 98, 124-136.	2.7	10
33	Investigation on Hydrate Growth at Oil-water Interface: In the Presence of Wax. <i>Energy & Fuels</i> , 2021, 35, 11884-11895.	5.1	10
34	3D CFD simulation of the liquid flow in a rotating packed bed with structured wire mesh packing. <i>Chemical Engineering Journal</i> , 2022, 427, 130874.	12.7	10
35	Investigation into the formation, blockage and dissociation of cyclopentane hydrate in a visual flow loop. <i>Fuel</i> , 2022, 307, 121730.	6.4	9
36	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

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37	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
38	A machine learning model for predicting the mass transfer performance of rotating packed beds based on a least squares support vector machine approach. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 165, 108432.	3.6	8
39	An approach of quantitative risk assessment for release of supercritical CO ₂ pipelines. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 94, 104131.	4.4	8
40	Evolution and Size Distribution of Solid CO ₂ Particles in Supercritical CO ₂ Releases. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7655-7663.	3.7	7
41	Modeling of gas-liquid flow in a rotating packed bed using an Eulerian multi-fluid approach. <i>AIChE Journal</i> , 2022, 68, .	3.6	7
42	Optimization and experiment on the dual nitrogen expansion liquefaction process with pre-cooling. <i>Cryogenics</i> , 2021, 114, 103243.	1.7	5
43	Computational fluid dynamics study of CO ₂ dispersion with phase change of water following the release of supercritical CO ₂ pipeline. <i>Chemical Engineering Research and Design</i> , 2021, 154, 315-328.	5.6	5
44	Numerical simulation of hydrate slurry flow and deposit behavior based on openfoam-IATE. <i>Fuel</i> , 2022, 310, 122426.	6.4	5
45	An experimental study on the choked flow characteristics of CO ₂ pipelines in various phases. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 17-26.	3.5	3
46	Sensibility Analysis of Pre-cooling Cold Box Pipeline Blockage in DMR Liquefaction Process. <i>Energy Procedia</i> , 2017, 142, 3276-3281.	1.8	2
47	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
48	Numerical Investigation of Deposition Characteristics of Solid CO ₂ During Choked Flow for CO ₂ Pipelines. , 2016, , .		1
49	An Experiment on Flashing-Spray Jet Characteristics of Supercritical CO ₂ from Various Orifice Geometries. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	1
50	Visualization experimental and numerical study on multiphase flow characteristics of main cryogenic heat exchanger in offshore liquefied natural gas industry chain. <i>Cryogenics</i> , 2022, 124, 103490.	1.7	1