

Jian Wen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

354
citations

840776
11
h-index

794594
19
g-index

23
all docs

23
docs citations

23
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of response surface method and multi-objective genetic algorithm to configuration optimization of Shell-and-tube heat exchanger with fold helical baffles. Applied Thermal Engineering, 2018, 129, 512-520.	6.0	60
2	Experimental investigation on heat transfer enhancement of a heat exchanger with helical baffles through blockage of triangle leakage zones. Applied Thermal Engineering, 2014, 67, 122-130.	6.0	44
3	Application of entransy-dissipation-based thermal resistance for performance optimization of spiral-wound heat exchanger. International Journal of Heat and Mass Transfer, 2018, 116, 743-750.	4.8	31
4	Numerical investigation of unsteady particle deposition in a realistic human nasal cavity during inhalation. Experimental and Computational Multiphase Flow, 2019, 1, 39-50.	3.9	30
5	Numerical investigation on the application of elliptical tubes in a spiral-wound heat exchanger used in LNG plant. International Journal of Heat and Mass Transfer, 2019, 130, 333-341.	4.8	29
6	Experimental investigation of header configuration on two-phase flow distribution in plate-fin heat exchanger. International Communications in Heat and Mass Transfer, 2010, 37, 116-120.	5.6	25
7	Role of gravity in condensation flow of R1234ze(E) inside horizontal mini/macro-channels. Experimental and Computational Multiphase Flow, 2019, 1, 219-229.	3.9	21
8	Study on continuous cooling process coupled with ortho-para hydrogen conversion in plate-fin heat exchanger filled with catalyst. International Journal of Hydrogen Energy, 2022, 47, 4690-4703.	7.1	19
9	Improvements on Flow Distribution and Heat Transfer Performance of Plate-fin Heat Exchangers by Qusai-<i>S</i> Type Header Configuration. Heat Transfer Engineering, 2017, 38, 1547-1560.	1.9	16
10	Rheological models for temperature and concentration dependencies of coal water slurry. International Journal of Coal Preparation and Utilization, 2022, 42, 1185-1203.	2.1	15
11	Thermo-economic optimization of gasification process with coal water slurry preheating technology. Energy, 2020, 199, 117354.	8.8	12
12	Numerical investigation on serrated fin of sub-atmosphere plate-fin heat exchanger used in superfluid helium system. Cryogenics, 2021, 119, 103351.	1.7	10
13	Numerical Prediction for Subcooled Boiling Flow of Liquid Nitrogen in a Vertical Tube with MUSIC Model. Chinese Journal of Chemical Engineering, 2013, 21, 1195-1205.	3.5	8
14	Multiphysics field coupling simulation for shell-and-tube heat exchangers with different baffles. Numerical Heat Transfer; Part A: Applications, 2020, 77, 266-283.	2.1	7
15	Numerical Study on Forced Convection Heat Transfer Across a Heated Circular Tube Based on Bingham Model With Thermally Dependent Viscosity. Journal of Heat Transfer, 2021, 143, .	2.1	6
16	Numerical investigation of flow, heat transfer, and kinetic reaction in a largeâ€difference bidisperse, circulating fluidizedâ€bed reactor. Canadian Journal of Chemical Engineering, 2022, 100, 3777-3792.	1.7	5
17	An Investigation of Snubber and Protection Circuits Connections for Power-Electronic Switch in Hybrid DC Circuit Breaker. , 2019, , .		4
18	Optimization Investigation on Operating Parameters of a Scrubbing Tower Using a Genetic Algorithm. Chemical Engineering and Technology, 2020, 43, 2109-2117.	1.5	3

#	ARTICLE	IF	CITATIONS
19	A numerical model for the flow condensation of the binary zeotropic mixture. International Communications in Heat and Mass Transfer, 2022, 130, 105767.	5.6	3
20	The effects of injection modes on instantaneous particle deposition in a realistic human nasal cavity. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e02802.	2.1	2
21	Performance of shell-and-tube heat exchangers with different baffles applied to water chillers based on fluid-structure interaction. Science and Technology for the Built Environment, 2019, 25, 516-524.	1.7	2
22	Comparison of four types vertical radial flow adsorbers based on binary adsorption of CO ₂ and H ₂ O. Chemical Engineering and Technology, 0, , .	1.5	1
23	Study on adsorption characteristics optimization of vertical radial flow adsorber. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	1