

Jingtian Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,387
citations

643344

15
h-index

843174

20
g-index

22
all docs

22
docs citations

22
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving boiling heat transfer with hydrophilic/hydrophobic patterned flat surface: A molecular dynamics study. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121974.	2.5	20
2	Micro/nanoscale surface on enhancing the microchannel flow boiling performance: A Lattice Boltzmann simulation. <i>Applied Thermal Engineering</i> , 2022, 205, 118036.	3.0	27
3	Experimental and theoretical study of jet hydrodynamic breakup behavior with air entrainment. <i>Annals of Nuclear Energy</i> , 2021, 151, 107900.	0.9	6
4	Latest progress on nanotechnology aided boiling heat transfer enhancement: A review. <i>Energy</i> , 2021, 215, 119114.	4.5	44
5	Lattice Boltzmann study of nucleation site interaction and nucleate boiling heat transfer on a hybrid surface with multiple cavity-pillar structures. <i>International Journal of Thermal Sciences</i> , 2021, 163, 106860.	2.6	23
6	Optimization of air-cooling technology for LiFePO ₄ battery pack based on deep learning. <i>Journal of Power Sources</i> , 2021, 497, 229894.	4.0	46
7	Magnetic Dipole and Thermal Radiation Impacts on Stagnation Point Flow of Micropolar Based Nanofluids over a Vertically Stretching Sheet: Finite Element Approach. <i>Processes</i> , 2021, 9, 1089.	1.3	36
8	The study of nucleation site interactions on the mixed wettability rough surface. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105372.	2.9	4
9	Molecular dynamics simulations of nanoscale boiling on mesh-covered surfaces. <i>Applied Thermal Engineering</i> , 2021, 195, 117183.	3.0	24
10	A parametric study of a hybrid battery thermal management system that couples PCM/copper foam composite with helical liquid channel cooling. <i>Energy</i> , 2021, 231, 120869.	4.5	101
11	Investigation into the effect of upstream obstacles and hazardous sources on dispersion in the urban environment with LES model. <i>Journal of Hazardous Materials</i> , 2020, 390, 121953.	6.5	3
12	Modelling of accidental release process from small rupture of pressure CO ₂ vessel. <i>International Journal of Greenhouse Gas Control</i> , 2020, 93, 102906.	2.3	4
13	Molecular dynamics study of the nanoscale boiling heat transfer process on nanostructured surfaces. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104963.	2.9	32
14	Lattice Boltzmann study of bubble dynamics and heat transfer on a hybrid rough surface with a cavity-pillar structure. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104896.	2.9	17
15	Molecular dynamics study about the effects of random surface roughness on nanoscale boiling process. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118799.	2.5	53
16	Experimental study of supercritical CO ₂ leakage behavior from pressurized vessels. <i>Energy</i> , 2018, 150, 342-350.	4.5	35
17	Experimental Study of Supercritical CO ₂ Critical Flow Through Short Tubes. , 2018, , .		0
18	Investigation into the effectiveness of nanofluids on the mini-channel thermal management for high power lithium ion battery. <i>Applied Thermal Engineering</i> , 2018, 142, 511-523.	3.0	104

#	ARTICLE	IF	CITATIONS
19	Experimental and computational study on jet final depth under coolant jet-melt interaction. Journal of Nuclear Science and Technology, 2017, 54, 1002-1010.	0.7	3
20	Numerical simulation of metal jet breakup, cooling and solidification in water. International Journal of Heat and Mass Transfer, 2017, 109, 1100-1109.	2.5	17
21	Study on Final Depth Under Hydraulic Coolant Penetration Condition. , 2017, , .		2
22	Thermal issues about Li-ion batteries and recent progress in battery thermal management systems: A review. Energy Conversion and Management, 2017, 150, 304-330.	4.4	786