Zhongchao Zhao

List of Publications by Year
in descending order

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16 papers	273 citations	1040056 9 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	183 citing authors

#	Article	IF	Citations
1	Numerical investigation on heat transfer and flow characteristics of supercritical nitrogen in a straight channel of printed circuit heat exchanger. Applied Thermal Engineering, 2017, 126, 717-729.	6.0	64
2	Thermal performance analysis of pool boiling on an enhanced surface modified by the combination of microstructures and wetting properties. Applied Thermal Engineering, 2017, 117, 417-426.	6.0	36
3	Visualization-based nucleate pool boiling heat transfer enhancement on different sizes of square micropillar array surfaces. Experimental Thermal and Fluid Science, 2020, 119, 110212.	2.7	31
4	Heat transfer characteristics of two-phase closed thermosyphons modified with inner surfaces of various wettabilities. International Communications in Heat and Mass Transfer, 2019, 103, 100-109.	5.6	29
5	A numerical study on condensation flow and heat transfer of refrigerant in minichannels of printed circuit heat exchanger. International Journal of Refrigeration, 2019, 102, 96-111.	3.4	25
6	Methodology of design and analysis on the thermal hydraulic performance of the cross-flow printed circuit heat exchanger. International Journal of Heat and Mass Transfer, 2020, 156, 119756.	4.8	17
7	Numerical Study on Thermal Hydraulic Performance of Supercritical LNG in Zigzag-Type Channel PCHEs. Energies, 2019, 12, 548.	3.1	16
8	Effect of Different Zigzag Channel Shapes of PCHEs on Heat Transfer Performance of Supercritical LNG. Energies, 2019, 12, 2085.	3.1	15
9	Experimental and numerical study on thermalâ€hydraulic performance of printed circuit heat exchanger for liquefied gas vaporization. Energy Science and Engineering, 2020, 8, 426-440.	4.0	10
10	Experimental and Numerical Analysis of Condensation Heat Transfer and Pressure Drop of Refrigerant R22 in Minichannels of a Printed Circuit Heat Exchanger. Energies, 2020, 13, 6589.	3.1	7
11	Effects of Fin Arrangements on Thermal Hydraulic Performance of Supercritical Nitrogen in Printed Circuit Heat Exchanger. Processes, 2021, 9, 861.	2.8	6
12	Experimental investigation of the characteristics of thermosyphon with flat evaporator and micro-pillar arrays. International Journal of Thermal Sciences, 2020, 158, 106541.	4.9	5
13	Investigation of Start-Up Characteristics of Thermosyphons Modified with Different Hydrophilic and Hydrophobic Inner Surfaces. Energies, 2020, 13, 765.	3.1	5
14	Thermal performance of thermosyphon with flat evaporating surface combined with different sizes of micro pillars. Powder Technology, 2020, 361, 633-641.	4.2	3
15	Numerical research on the operation characteristics of marine variable air volume air conditioning system. Advances in Building Energy Research, 2018, 12, 235-249.	2.3	2
16	Optimization and analysis of thermodynamic performance of boil-off gas reliquefaction system with multiple refrigerant combinations. Sustainable Energy Technologies and Assessments, 2021, 47, 101408.	2.7	2