

Zhongchao Zhao

List of Publications by Year in descending order

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papers

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1040056

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183
citing authors

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