

Xiufang Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

273
citations

11
h-index

16
g-index

22
ext. papers

362
ext. citations

3.2
avg, IF

3.26
L-index

#	Paper	IF	Citations
21	Experimental study on the characteristics of a closed loop R134-a spray cooling. <i>Experimental Thermal and Fluid Science</i> , 2015 , 61, 194-200	3	32
20	Experimental study on phase change spray cooling. <i>Experimental Thermal and Fluid Science</i> , 2013 , 46, 84-88	3	31
19	An experimental comparison of heat transfer characteristic between R134-a and R22 in spray cooling. <i>Experimental Thermal and Fluid Science</i> , 2015 , 66, 206-212	3	26
18	The influence of cavitation on the flow characteristics of liquid nitrogen through spray nozzles: A CFD study. <i>Cryogenics</i> , 2017 , 86, 42-56	1.8	20
17	Investigation on CHF of saturated liquid nitrogen flow boiling in a horizontal small channel. <i>Applied Thermal Engineering</i> , 2017 , 125, 1025-1036	5.8	20
16	Influence of chamber pressure on heat transfer characteristics of a closed loop R134-a spray cooling. <i>Experimental Thermal and Fluid Science</i> , 2016 , 75, 89-95	3	19
15	Effects of injection pressure difference on droplet size distribution and spray cone angle in spray cooling of liquid nitrogen. <i>Cryogenics</i> , 2017 , 83, 57-63	1.8	16
14	Experimental study of liquid nitrogen spray characteristics in atmospheric environment. <i>Applied Thermal Engineering</i> , 2018 , 142, 717-722	5.8	16
13	Heat transfer optimization of R134a phase change spray cooling in a closed loop system. <i>Experimental Thermal and Fluid Science</i> , 2018 , 92, 248-258	3	16
12	Flow characteristics of liquid nitrogen through solid-cone pressure swirl nozzles. <i>Applied Thermal Engineering</i> , 2017 , 110, 290-297	5.8	15
11	Effects of operational parameters on liquid nitrogen spray cooling. <i>Applied Thermal Engineering</i> , 2019 , 146, 85-91	5.8	14
10	Experimental Study on the Performance of Water Source Trans-Critical CO2 Heat Pump Water Heater. <i>Energies</i> , 2017 , 10, 810	3.1	10
9	Two-phase flow boiling frictional pressure drop of liquid nitrogen in horizontal circular mini-tubes: Experimental investigation and comparison with correlations. <i>Cryogenics</i> , 2017 , 83, 85-94	1.8	9
8	Unsteady cavitation of liquid nitrogen flow in spray nozzles under fluctuating conditions. <i>Cryogenics</i> , 2019 , 97, 144-148	1.8	6
7	Numerical study of liquid nitrogen cavitating flow through nozzles of various shapes. <i>Cryogenics</i> , 2018 , 94, 62-78	1.8	5
6	Modeling of Heat Transfer and Oscillating Flow in the Regenerator of a Pulse Tube Cryocooler Operating at 50 Hz. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 553	2.6	5
5	Numerical Study of the Effects of Injection Fluctuations on Liquid Nitrogen Spray Cooling. <i>Processes</i> , 2019 , 7, 564	2.9	4

4	The Influence of Internal Heat Exchanger on the Performance of Transcritical CO ₂ Water Source Heat Pump Water Heater. <i>Energies</i> , 2020 , 13, 1787	3.1	4
3	Internal and external flow characteristics of multi-nozzle spray with liquid nitrogen. <i>Cryogenics</i> , 2021 , 114, 103255	1.8	3
2	Characteristics of frictional pressure drop of two-phase nitrogen flow in horizontal smooth mini channels in diabatic/adiabatic conditions. <i>Applied Thermal Engineering</i> , 2019 , 162, 114312	5.8	2
1	Collision dynamics of two liquid nitrogen droplets under a low-temperature condition. <i>Cryogenics</i> , 2022 , 103478	1.8	0