

# Xiufang Liu

## List of Publications by Year in Descending Order

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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	Collision dynamics of two liquid nitrogen droplets under a low-temperature condition. <i>Cryogenics</i> , <b>2022</b> , 103478	1.8	0
20	Internal and external flow characteristics of multi-nozzle spray with liquid nitrogen. <i>Cryogenics</i> , <b>2021</b> , 114, 103255	1.8	3
19	The Influence of Internal Heat Exchanger on the Performance of Transcritical CO <sub>2</sub> Water Source Heat Pump Water Heater. <i>Energies</i> , <b>2020</b> , 13, 1787	3.1	4
18	Numerical Study of the Effects of Injection Fluctuations on Liquid Nitrogen Spray Cooling. <i>Processes</i> , <b>2019</b> , 7, 564	2.9	4
17	Characteristics of frictional pressure drop of two-phase nitrogen flow in horizontal smooth mini channels in diabatic/adiabatic conditions. <i>Applied Thermal Engineering</i> , <b>2019</b> , 162, 114312	5.8	2
16	Unsteady cavitation of liquid nitrogen flow in spray nozzles under fluctuating conditions. <i>Cryogenics</i> , <b>2019</b> , 97, 144-148	1.8	6
15	Effects of operational parameters on liquid nitrogen spray cooling. <i>Applied Thermal Engineering</i> , <b>2019</b> , 146, 85-91	5.8	14
14	Numerical study of liquid nitrogen cavitating flow through nozzles of various shapes. <i>Cryogenics</i> , <b>2018</b> , 94, 62-78	1.8	5
13	Experimental study of liquid nitrogen spray characteristics in atmospheric environment. <i>Applied Thermal Engineering</i> , <b>2018</b> , 142, 717-722	5.8	16
12	Heat transfer optimization of R134a phase change spray cooling in a closed loop system. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 92, 248-258	3	16
11	Effects of injection pressure difference on droplet size distribution and spray cone angle in spray cooling of liquid nitrogen. <i>Cryogenics</i> , <b>2017</b> , 83, 57-63	1.8	16
10	Two-phase flow boiling frictional pressure drop of liquid nitrogen in horizontal circular mini-tubes: Experimental investigation and comparison with correlations. <i>Cryogenics</i> , <b>2017</b> , 83, 85-94	1.8	9
9	Experimental Study on the Performance of Water Source Trans-Critical CO <sub>2</sub> Heat Pump Water Heater. <i>Energies</i> , <b>2017</b> , 10, 810	3.1	10
8	The influence of cavitation on the flow characteristics of liquid nitrogen through spray nozzles: A CFD study. <i>Cryogenics</i> , <b>2017</b> , 86, 42-56	1.8	20
7	Investigation on CHF of saturated liquid nitrogen flow boiling in a horizontal small channel. <i>Applied Thermal Engineering</i> , <b>2017</b> , 125, 1025-1036	5.8	20
6	Flow characteristics of liquid nitrogen through solid-cone pressure swirl nozzles. <i>Applied Thermal Engineering</i> , <b>2017</b> , 110, 290-297	5.8	15
5	Modeling of Heat Transfer and Oscillating Flow in the Regenerator of a Pulse Tube Cryocooler Operating at 50 Hz. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 553	2.6	5

4	Influence of chamber pressure on heat transfer characteristics of a closed loop R134-a spray cooling. <i>Experimental Thermal and Fluid Science</i> , <b>2016</b> , 75, 89-95	3	19
3	An experimental comparison of heat transfer characteristic between R134-a and R22 in spray cooling. <i>Experimental Thermal and Fluid Science</i> , <b>2015</b> , 66, 206-212	3	26
2	Experimental study on the characteristics of a closed loop R134-a spray cooling. <i>Experimental Thermal and Fluid Science</i> , <b>2015</b> , 61, 194-200	3	32
1	Experimental study on phase change spray cooling. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 46, 84-88	3	31