

Jungho Lee

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

890
citations

623734

14
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of nozzle configuration on stagnation region heat transfer enhancement of axisymmetric jet impingement. <i>International Journal of Heat and Mass Transfer</i> , 2000, 43, 3497-3509.	4.8	156
2	The effect of nozzle aspect ratio on stagnation region heat transfer characteristics of elliptic impinging jet. <i>International Journal of Heat and Mass Transfer</i> , 2000, 43, 555-575.	4.8	113
3	Effect of surface roughness on pool boiling heat transfer of water on hydrophobic surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 802-811.	4.8	94
4	Effect of Surface Roughness on Pool Boiling Heat Transfer of Water on a Superhydrophilic Aluminum Surface. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	72
5	Boiling and condensation heat transfer of inclined two-phase closed thermosyphon with various filling ratios. <i>Applied Thermal Engineering</i> , 2018, 145, 328-342.	6.0	52
6	Effects of surface wettability on pool boiling of water using super-polished silicon surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 1128-1137.	4.8	42
7	Quasi-steady front in quench subcooled-jet impingement boiling: Experiment and analysis. <i>International Journal of Heat and Mass Transfer</i> , 2017, 113, 622-634.	4.8	33
8	Development of a stable Boehmite layer on aluminum surfaces for improved pool boiling heat transfer in water. <i>Applied Thermal Engineering</i> , 2019, 156, 541-549.	6.0	33
9	Time- and space-resolved heat transfer characteristics of single droplet cooling using microscale heater arrays. <i>International Journal of Heat and Fluid Flow</i> , 2001, 22, 188-200.	2.4	32
10	Effect of sintered microporous coating at the evaporator on the thermal performance of a two-phase closed thermosyphon. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 1064-1074.	4.8	29
11	Enhancement of pool boiling heat transfer in water on aluminum surface with high temperature conductive microporous coating. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 772-781.	4.8	28
12	Effects of hydrophobic and superhydrophobic coatings of a condenser on the thermal performance of a two-phase closed thermosyphon. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118706.	4.8	24
13	Enhanced thermal performance of a thermosyphon for waste heat recovery: Microporous coating at evaporator and hydrophobic coating at condenser. <i>Applied Thermal Engineering</i> , 2020, 175, 115332.	6.0	23
14	Boiling-driven, wickless, and orientation-independent thermal ground plane. <i>International Journal of Heat and Mass Transfer</i> , 2021, 167, 120817.	4.8	20
15	Quench subcooled-jet impingement boiling: Two interacting-jet enhancement. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 1302-1314.	4.8	17
16	Quench subcooled-jet impingement boiling: Staggered-array jets enhancement. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 888-898.	4.8	14
17	Effects of materials and microstructures on pool boiling of saturated water from metallic surfaces. <i>International Journal of Thermal Sciences</i> , 2021, 165, 106929.	4.9	13
18	Effect of Initial Temperature of a Cylindrical Steel Block on Heat Transfer Characteristics of Staggered Array Jets During Water Jet Quenching. <i>Heat Transfer Engineering</i> , 2015, 36, 1037-1045.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Role of Surface Roughness in Water Spray Cooling Heat Transfer of Hot Steel Plate. ISIJ International, 2009, 49, 1920-1925.	1.4	10
20	Capillary evaporation of water from aluminum high-temperature conductive microporous coating. International Journal of Heat and Mass Transfer, 2020, 153, 119660.	4.8	10
21	Effect of wettability on pool boiling heat transfer with copper microporous coated surface. International Journal of Heat and Mass Transfer, 2022, 194, 123059.	4.8	9
22	Modeling and optimization of hydrophobic surfaces for a two-phase closed thermosyphon. International Journal of Heat and Mass Transfer, 2021, 165, 120680.	4.8	7
23	Effects and limitations of superhydrophobic surfaces on the heat transfer performance of a two-phase closed thermosyphon. International Journal of Heat and Mass Transfer, 2021, 176, 121446.	4.8	7
24	Numerical study on subcooled water jet impingement cooling on superheated surfaces. Case Studies in Thermal Engineering, 2022, 32, 101883.	5.7	7
25	Enhancing heat transfer performance of a two-phase closed thermosyphon using a polymer-coated hydrophobic condenser. Applied Thermal Engineering, 2021, 196, 117350.	6.0	6
26	Effect of integrated copper pad on the performance of boiling-driven wickless thermal ground plane. Applied Thermal Engineering, 2021, 199, 117595.	6.0	6
27	Dropwise condensation of acetone and ethanol for a high-performance lubricant-impregnated thermosyphon. International Journal of Heat and Mass Transfer, 2021, 181, 121871.	4.8	6
28	Flow Visualization inside Thermosyphon for Measuring Heat Transfer Limit. Journal of Heat Transfer, 2017, 139, .	2.1	4
29	Evaporation of highly wetting fluids on aluminum microporous coating. International Journal of Heat and Mass Transfer, 2020, 163, 120451.	4.8	4
30	Role of quenching method on cooling rate and microstructure of steels: Variations in coolant and its flow arrangement. International Journal of Heat and Mass Transfer, 2022, 189, 122702.	4.8	3
31	Enhancement of Droplet Heat Transfer Using Dissolved Gases. , 2002, , .		2
32	Effect of Water Temperature on Spray Cooling Heat Transfer on Hot Steel Plate. , 2010, , .		1
33	Boiling Visualization of Two Adjacent Impinging Jets on Hot Steel Plate. Journal of Heat Transfer, 2016, 138, .	2.1	1
34	Effect of Cooling Water Temperature on Impinging Jet Heat Transfer on Hot Steel Plate. , 2011, , .		0