

Namkyu Lee

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

738
citations

623734

14
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526287

27
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33
all docs

33
docs citations

33
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	Surfaces with bent micro-polymerized pillars exhibit enhanced heat transfer during subcooled flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121941.	4.8	5
2	Flexible Assembled Metamaterials for Infrared and Microwave Camouflage. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	44
3	Unidirectional wicking-driven flow boiling on tilted pillar structures for high-power applications. <i>International Journal of Heat and Mass Transfer</i> , 2022, 189, 122673.	4.8	2
4	Thermophoretic microfluidic cells for evaluating Soret coefficient of colloidal particles. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123002.	4.8	3
5	Multispectral Optical Confusion System: Visible to Infrared Coloration with Fractal Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28337-28347.	8.0	11
6	Enhancement of flow boiling heat transfer using heterogeneous wettability patterned surfaces with varying inter-spacing. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120596.	4.8	29
7	Transparent Metamaterials for Multispectral Camouflage with Thermal Management. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121173.	4.8	33
8	Flexible Thermocamouflage Materials in Supersonic Flowfields with Selective Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43524-43532.	8.0	18
9	Measurement of surface heat transfer caused by interaction of sonic jet and supersonic crossflow near injection hole. <i>Aerospace Science and Technology</i> , 2021, 119, 107180.	4.8	0
10	Temperature profile characterization with fluorescence lifetime imaging microscopy in a thermophoretic chip. <i>European Physical Journal E</i> , 2021, 44, 130.	1.6	1
11	Thermophoretic Micron-Scale Devices: Practical Approach and Review. <i>Entropy</i> , 2020, 22, 950.	2.2	16
12	Enhanced boiling heat transfer on micro-structured surfaces via ultrasonic actuation. <i>International Communications in Heat and Mass Transfer</i> , 2020, 113, 104512.	5.6	18
13	Multiple Resonance Metamaterial Emitter for Deception of Infrared Emission with Enhanced Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8862-8869.	8.0	33
14	Thermal design of dual circulating fluidized bed reactors for a large-scale CO ₂ capture system. <i>Applied Thermal Engineering</i> , 2020, 171, 115114.	6.0	6
15	Effects of radiative local heating on metal solidification during selective laser melting for additive manufacturing. <i>Applied Surface Science</i> , 2019, 496, 143594.	6.1	8
16	Metamaterial-Selective Emitter for Maximizing Infrared Camouflage Performance with Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21250-21257.	8.0	88
17	Enhanced thermal uniformity and stability in pool boiling heat transfer using ultrasonic actuation. <i>International Communications in Heat and Mass Transfer</i> , 2019, 106, 22-30.	5.6	29
18	Metamaterials: Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves (<i>Adv. Funct. Mater.</i> 10/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970060.	14.9	4

#	ARTICLE	IF	CITATIONS
19	Heat-Absorbing Capacity of High-Heat-Flux Components in Nuclear Fusion Reactors. <i>Energies</i> , 2019, 12, 3771.	3.1	1
20	Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves. <i>Advanced Functional Materials</i> , 2019, 29, 1807319.	14.9	154
21	Analysis on Change in Electrical Transmission Characteristic about FSS Radome on Flight Scenario. <i>Journal of the Korean Society of Propulsion Engineers</i> , 2019, 23, 11-20.	0.2	0
22	Intake Performance Characteristics according to S-duct Cross-section Shape in UAV. <i>Journal of the Korean Society of Propulsion Engineers</i> , 2019, 23, 107-114.	0.2	0
23	Enhanced boiling heat transfer on nanowire-forested surfaces under subcooling conditions. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 1020-1030.	4.8	36
24	Enhancing thermal stability and uniformity in boiling heat transfer using micro-nano hybrid surfaces (MNHS). <i>Applied Thermal Engineering</i> , 2018, 130, 710-721.	6.0	47
25	Design of Multilayer Ring Emitter Based on Metamaterial for Thermophotovoltaic Applications. <i>Energies</i> , 2018, 11, 2299.	3.1	28
26	Enhancement of cooling performance of a helium-cooled divertor through the addition of rib structures on the jet-impingement area. <i>Fusion Engineering and Design</i> , 2018, 136, 655-660.	1.9	4
27	Nozzle-to-target distance effect on the cooling performances of a jet-impingement helium-cooled divertor. <i>Fusion Engineering and Design</i> , 2018, 136, 803-808.	1.9	3
28	Heat Transfer Characteristics of a Focused Surface Acoustic Wave (F-SAW) Device for Interfacial Droplet Jetting. <i>Inventions</i> , 2018, 3, 38.	2.5	7
29	BUBBLE DYNAMICS AND POOL BOILING PERFORMANCE ON BIPHILIC PATTERNED SURFACES. , 2018, , .		3
30	Metal-Dielectric-Metal Selective Emitter with Circular Hole Patterns for Thermo-photovoltaic. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2018, 42, 357-363.	0.1	0
31	Enhancement of Pool Boiling Heat Transfer Using Aligned Silicon Nanowire Arrays. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17595-17602.	8.0	93
32	Nano-inspired smart interfaces: fluidic interactivity and its impact on heat transfer. <i>Scientific Reports</i> , 2017, 7, 45323.	3.3	6
33	Thermal design of helium cooled divertor for reliable operation. <i>Applied Thermal Engineering</i> , 2017, 110, 1578-1588.	6.0	8