

Baojin Qi

List of Publications by Year in descending order

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18
papers

331
citations

933264

10
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigations of bubble behaviors and heat transfer performance on micro/nanostructure surfaces. <i>International Journal of Thermal Sciences</i> , 2019, 135, 133-147.	2.6	39
2	Pool boiling heat transfer on silicon chips with non-uniform micro-pillars. <i>International Journal of Heat and Mass Transfer</i> , 2020, 151, 119456.	2.5	37
3	A fractal dropwise condensation heat transfer model including the effects of contact angle and drop size distribution. <i>International Journal of Heat and Mass Transfer</i> , 2015, 83, 259-272.	2.5	35
4	CHF correlation of boiling in FC-72 with micro-pin-fins for electronics cooling. <i>Applied Thermal Engineering</i> , 2018, 138, 494-500.	3.0	33
5	Experimental and theoretical study of bubble coalescence and departure behaviors during nucleate pool boiling on uniform smooth and micro-pin-finned surfaces under different subcoolings and heat fluxes. <i>Experimental Thermal and Fluid Science</i> , 2020, 112, 109996.	1.5	31
6	Study on the wettability and condensation heat transfer of sine-shaped micro-grooved surfaces. <i>Experimental Thermal and Fluid Science</i> , 2018, 90, 28-36.	1.5	27
7	Critical heat flux on heterogeneous fractal surfaces with micro-pin-fins in pool boiling Part I: The effects of distribution and subcooling. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 1338-1348.	2.5	23
8	Influences of wake-effects on bubble dynamics by utilizing micro-pin-finned surfaces under microgravity. <i>Applied Thermal Engineering</i> , 2017, 113, 1332-1344.	3.0	22
9	Enhancement of condensation heat transfer on grooved surfaces: Numerical analysis and experimental study. <i>Applied Thermal Engineering</i> , 2017, 115, 1287-1297.	3.0	14
10	Effects of micro-pin-fins on the bubble growth and movement of nucleate pool boiling on vertical surfaces. <i>International Journal of Thermal Sciences</i> , 2022, 171, 107186.	2.6	14
11	Critical heat flux on heterogeneous fractal surfaces with micro-pin-fins in pool boiling " Part II: Model establishment and analysis. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 46-54.	2.5	9
12	Boiling heat transfer and bubble distribution on inhomogeneous wetting surface patterned with Sierpinski carpet. <i>Applied Thermal Engineering</i> , 2020, 180, 115818.	3.0	9
13	Nucleate boiling heat transfer model based on fractal distribution of bubble sizes. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 1175-1183.	2.5	8
14	Pool boiling heat transfer and bubble behavior on the treelike networks with wedge-shaped channels. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104811.	2.9	8
15	Study of droplet self-migration on silicon surface with radial micro-fin structures. <i>Experimental Thermal and Fluid Science</i> , 2020, 114, 110075.	1.5	8
16	Convenient and large-scale fabrication of cost-effective superhydrophobic aluminum alloy surface with excellent reparability. <i>Langmuir</i> , 2021, 37, 7810-7820.	1.6	7
17	Study on oil-water separation of selective-wettability meshes with different Micro/Nano structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124026.	2.3	5
18	Experimental Investigation of Copper Mesh Substrate with Selective Wettability to Separate Oil/Water Mixture. <i>Energies</i> , 2019, 12, 4564.	1.6	2