

Bo Yuan

List of Publications by Year in descending order

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15
papers

174
citations

1163117

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1125743

13
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all docs

15
docs citations

15
times ranked

79
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of subcooled boiling pool heat transfer and its “hook back” phenomenon on micro/nanostructured surfaces. <i>International Communications in Heat and Mass Transfer</i> , 2019, 100, 73-82.	5.6	35
2	Experimental research on subcooled flow boiling heat transfer performance and associated bubble characteristics under pulsating flow. <i>Applied Thermal Engineering</i> , 2019, 157, 113721.	6.0	23
3	Micro-pin-finned Surfaces with Fractal Treelike Hydrophilic Networks for Flow Boiling Enhancement. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48189-48195.	8.0	18
4	Experimental study of a novel loop heat pipe with a vapor-driven jet injector. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120518.	4.8	15
5	Experimental study on thermal performance of a loop heat pipe with a bypass line. <i>International Journal of Heat and Mass Transfer</i> , 2020, 147, 118996.	4.8	14
6	Heat transfer enhancement on micro-pin-finned surfaces under high-frequency reciprocating flow. <i>Applied Thermal Engineering</i> , 2020, 175, 115378.	6.0	12
7	Experimental research on heat transfer enhancement and associated bubble characteristics under high-frequency reciprocating flow. <i>International Journal of Heat and Mass Transfer</i> , 2020, 146, 118825.	4.8	9
8	Analysis of the critical heat flux of subcooled flow boiling in microgravity. <i>Experimental Thermal and Fluid Science</i> , 2021, 120, 110238.	2.7	9
9	A method for approximating the CHF of subcooled flow boiling in microgravity by ground tests. <i>International Journal of Multiphase Flow</i> , 2020, 122, 103161.	3.4	8
10	Experimental study of a novel loop heat pipe with a vapor-driven jet injector and a boiling pool. <i>International Journal of Heat and Mass Transfer</i> , 2022, 184, 122267.	4.8	7
11	Flow boiling heat transfer and associated bubble behaviors over backward- and forward-facing steps. <i>Experimental Thermal and Fluid Science</i> , 2021, 122, 110300.	2.7	6
12	Critical heat flux prediction model for flow boiling on micro-pin-finned surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2020, 154, 119693.	4.8	6
13	Investigation of temperature oscillations in a novel loop heat pipe with a vapor-driven jet injector. <i>International Journal of Heat and Mass Transfer</i> , 2021, 179, 121672.	4.8	5
14	Investigation of a loop heat pipe to achieve high heat flux by incorporating flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2022, 195, 123173.	4.8	5
15	Theoretical CHF predicted model for subcooled flow boiling. <i>Heat and Mass Transfer</i> , 2019, 55, 2437-2444.	2.1	2