

Bo Yuan

List of Publications by Year in descending order

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15
papers

174
citations

1163117

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1125743

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15
all docs

15
docs citations

15
times ranked

79
citing authors

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