

Mohamed M Mahmoud

List of Publications by Year in descending order

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995
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759233

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19
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments and Correlations for Single-Phase Convective Heat Transfer in Brazed Plate Heat Exchangers. <i>Heat Transfer Engineering</i> , 2023, 44, 211-231.	1.9	2
2	Flow boiling in copper and aluminium microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2022, 194, 123101.	4.8	12
3	Flow Boiling of Water in a Rectangular Metallic Microchannel. <i>Heat Transfer Engineering</i> , 2021, 42, 492-516.	1.9	32
4	Effect of aspect ratio on flow boiling characteristics in microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120587.	4.8	36
5	Flow boiling of HFE-7100 in microchannels: Experimental study and comparison with correlations. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 100-128.	4.8	53
6	Condensation flow patterns and heat transfer in horizontal microchannels. <i>Experimental Thermal and Fluid Science</i> , 2018, 90, 153-173.	2.7	57
7	Flow Boiling in Mini to Microdiameter Channels. , 2018, , 233-301.		7
8	Effect of hydraulic diameter and aspect ratio on single phase flow and heat transfer in a rectangular microchannel. <i>Applied Thermal Engineering</i> , 2017, 115, 793-814.	6.0	108
9	Flow boiling heat transfer of R134a in multi microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2017, 110, 422-436.	4.8	61
10	Flow boiling in microchannels: Fundamentals and applications. <i>Applied Thermal Engineering</i> , 2017, 115, 1372-1397.	6.0	363
11	Single phase flow pressure drop and heat transfer in rectangular metallic microchannels. <i>Applied Thermal Engineering</i> , 2016, 93, 1324-1336.	6.0	74
12	Flow pattern transition models and correlations for flow boiling in mini-tubes. <i>Experimental Thermal and Fluid Science</i> , 2016, 70, 270-282.	2.7	21
13	Flow Boiling Pressure Drop of R134a in Microdiameter Tubes: Experimental Results and Assessment of Correlations. <i>Heat Transfer Engineering</i> , 2014, 35, 178-192.	1.9	8
14	Heat transfer correlation for flow boiling in small to micro tubes. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 553-574.	4.8	81
15	Flow Boiling of R134a and R245fa in a 1.1 mm Diameter Tube. , 2013, , .		3
16	A study of discrepancies in flow boiling results in small to microdiameter metallic tubes. <i>Experimental Thermal and Fluid Science</i> , 2012, 36, 126-142.	2.7	46
17	A Study of Discrepancies in Flow Boiling Results in Small to Micro Diameter Metallic Tubes. , 2011, , .		1
18	Surface effects in flow boiling of R134a in microtubes. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 3334-3346.	4.8	26

#	ARTICLE	IF	CITATIONS
19	One-Dimensional Semimechanistic Model for Flow Boiling Pressure Drop in Small to Micro Passages. Heat Transfer Engineering, 2011, 32, 1150-1159.	1.9	4