Tassos G Karayiannis

List of Publications by Year
in descending order

29	588	840776 11	794594 19
papers	citations	h-index	g-index

31	31	31	403
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of hydraulic diameter and aspect ratio on single phase flow and heat transfer in a rectangular microchannel. Applied Thermal Engineering, 2017, 115, 793-814.	6.0	108
2	Heat transfer correlation for flow boiling in small to micro tubes. International Journal of Heat and Mass Transfer, 2013, 66, 553-574.	4.8	81
3	Single phase flow pressure drop and heat transfer in rectangular metallic microchannels. Applied Thermal Engineering, 2016, 93, 1324-1336.	6.0	74
4	Flow boiling of HFE-7100 in microchannels: Experimental study and comparison with correlations. International Journal of Heat and Mass Transfer, 2019, 140, 100-128.	4.8	53
5	A study of discrepancies in flow boiling results in small to microdiameter metallic tubes. Experimental Thermal and Fluid Science, 2012, 36, 126-142.	2.7	46
6	Flow Patterns and Heat Transfer for Flow Boiling in Small to Micro Diameter Tubes. Heat Transfer Engineering, 2010, 31, 257-275.	1.9	37
7	Flow Boiling of Water in a Rectangular Metallic Microchannel. Heat Transfer Engineering, 2021, 42, 492-516.	1.9	32
8	Effect of inlet subcooling on flow boiling in microchannels. Applied Thermal Engineering, 2020, 181, 115966.	6.0	27
9	Surface effects in flow boiling of R134a in microtubes. International Journal of Heat and Mass Transfer, 2011, 54, 3334-3346.	4.8	26
10	Pool Boiling on Modified Surfaces Using R-123. Heat Transfer Engineering, 2014, 35, 1491-1503.	1.9	24
11	Flow pattern transition models and correlations for flow boiling in mini-tubes. Experimental Thermal and Fluid Science, 2016, 70, 270-282.	2.7	21
12	Flow boiling in copper and aluminium microchannels. International Journal of Heat and Mass Transfer, 2022, 194, 123101.	4.8	12
13	Flow Boiling Pressure Drop of R134a in Microdiameter Tubes: Experimental Results and Assessment of Correlations. Heat Transfer Engineering, 2014, 35, 178-192.	1.9	8
14	Flow Boiling in Rectangular Microchannels: 1-D Modeling of the Influence of Inlet Resistance on Flow Reversal. Heat Transfer Engineering, 2016, 37, 1114-1125.	1.9	8
15	Flow Boiling in Mini to Microdiameter Channels. , 2018, , 233-301.		7
16	Design and optimization of a thermoacoustic heat engine using reinforcement learning. International Journal of Low-Carbon Technologies, 2016, 11, 431-439.	2.6	6
17	Single-Phase Laminar Flow Heat Transfer From Confined Electron Beam Enhanced Surfaces. Heat Transfer Engineering, 2015, 36, 1165-1176.	1.9	5
18	One-Dimensional Semimechanistic Model for Flow Boiling Pressure Drop in Small to Micro Passages. Heat Transfer Engineering, 2011, 32, 1150-1159.	1.9	4

#	Article	IF	Citations
19	A thermodynamic analysis of a simple open-flow solar regenerator. Applied Thermal Engineering, 1998, 18, 1359-1374.	6.0	3
20	Flow Boiling of R134a and R245fa in a 1.1 mm Diameter Tube. , 2013, , .		3
21	Experiments and Correlations for Single-Phase Convective Heat Transfer in Brazed Plate Heat Exchangers. Heat Transfer Engineering, 2023, 44, 211-231.	1.9	2
22	A Study of Discrepancies in Flow Boiling Results in Small to Micro Diameter Metallic Tubes. , 2011, , .		1
23	Selected Papers from the Second Micro & Nano Flows Conference. Heat Transfer Engineering, 2011, 32, 1099-1100.	1.9	0
24	Modelling of Two-Component Turbulent Mass and Heat Transfer in Air-Fed Pressurised Suits. Flow, Turbulence and Combustion, 2011, 87, 55-77.	2.6	0
25	Selected Papers From the Third Micro and Nano Flows Conference. Heat Transfer Engineering, 2014, 35, 123-124.	1.9	0
26	Selected Papers From the 4th Micro & Nano Flows Conference. Heat Transfer Engineering, 2016, 37, 1083-1084.	1.9	0
27	Velocity profile development and friction in compressible micro-flows. AIP Conference Proceedings, 2019, , .	0.4	0
28	Selected Papers from the 5th Micro and Nano Flows Conference. Heat Transfer Engineering, 2019, 40, 693-694.	1.9	0
29	Selected Papers from the 6th Micro & Nano Flows Conference. Heat Transfer Engineering, 2021, 42, 453-455.	1.9	0