Burak Markal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/648985/publications.pdf

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27	685	394421	552781
papers	citations	19 h-index	26 g-index

27	27	27	298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined influence of artificial nucleation site and expanding cross section on flow boiling performance of micro pin fins. International Communications in Heat and Mass Transfer, 2022, 135, 106081.	5.6	23
2	Experimental investigation and force analysis of flat-plate type pulsating heat pipes having ternary mixtures. International Communications in Heat and Mass Transfer, 2021, 121, 105084.	5.6	32
3	The combined effects of filling ratio and inclination angle on thermal performance of a closed loop pulsating heat pipe. Heat and Mass Transfer, 2021, 57, 751-763.	2.1	22
4	Investigation of the effects of miscible and immiscible binary fluids on thermal performance of pulsating heat pipes. Heat and Mass Transfer, 2021, 57, 1527-1542.	2.1	16
5	DÃ¼ÅŸÃ¼k Dolum OranÄ±nda Ä°kili KarÄ±ÅŸÄ±mlarla YÃ¼klÃ¼ Ãœniform Olmayan AtÄ±mlÄ± IsÄ± Borusunun Deneysel Ä°ncelenmesi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2021, 9, 1086-1100.	0.7	1
6	Investigation of flat plate type pulsating heat pipes via flow visualization-assisted experiments: Effect of cross sectional ratio. International Communications in Heat and Mass Transfer, 2021, 125, 105289.	5.6	20
7	Effect of double cross sectional ratio on performance characteristics of pulsating heat pipes. International Communications in Heat and Mass Transfer, 2021, 127, 105583.	5.6	23
8	Flow boiling characteristics in a novel minichannel with a step on each corner. Experimental Heat Transfer, 2020, 33, 1-17.	3.2	12
9	Prediction of Two-Phase Heat Transfer Coefficient of Flow Boiling in Minichannels. Heat Transfer Engineering, 2020, 41, 17-35.	1.9	3
10	Conical coaxial impinging air jets: angle effect on the heat transfer performance. Heat and Mass Transfer, 2020, 56, 3135-3146.	2.1	11
11	Thermal investigation and flow pattern analysis of a closed-loop pulsating heat pipe with binary mixtures. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	24
12	The effect of Total flowrate on the cooling performance of swirling coaxial impinging jets. Heat and Mass Transfer, 2019, 55, 3275-3288.	2.1	27
13	Effect of hydraulic diameter on flow boiling in rectangular microchannels. Heat and Mass Transfer, 2019, 55, 1033-1044.	2.1	11
14	Prediction of Pressure Drop for Flow Boiling in Rectangular Multi-Microchannel Heat Sinks. Heat Transfer Engineering, 2019, 40, 26-38.	1.9	6
15	Saturated flow boiling characteristics in single rectangular minichannels: effect of aspect ratio. Experimental Heat Transfer, 2018, 31, 531-551.	3.2	30
16	Experimental investigation of heat transfer characteristics and wall pressure distribution of swirling coaxial confined impinging air jets. International Journal of Heat and Mass Transfer, 2018, 124, 517-532.	4.8	26
17	Experimental investigation of flow boiling in single minichannels with low mass velocities. International Communications in Heat and Mass Transfer, 2018, 98, 22-30.	5.6	27
18	Experimental investigation of coaxial impinging air jets. Applied Thermal Engineering, 2018, 141, 1120-1130.	6.0	24

#	Article	IF	Citations
19	Prediction of Heat Transfer Coefficient in Saturated Flow Boiling Heat Transfer in Parallel Rectangular Microchannel Heat Sinks: An Experimental Study. Heat Transfer Engineering, 2017, 38, 1415-1428.	1.9	29
20	An experimental investigation of saturated flow boiling heat transfer and pressure drop in square microchannels. International Journal of Refrigeration, 2016, 65, 1-11.	3.4	38
21	Effect of aspect ratio on saturated flow boiling in microchannels. International Journal of Heat and Mass Transfer, 2016, 93, 130-143.	4.8	89
22	An experimental study on the decaying swirl flow in a tube. International Communications in Heat and Mass Transfer, 2014, 55, 22-28.	5.6	22
23	Exergy analysis of a counter-flow Ranque-Hilsch vortex tube having different helical vortex generators. International Journal of Exergy, 2012, 10, 228.	0.4	24
24	Using artificial neural network for predicting performance of the Ranqueâ€“Hilsch vortex tube. International Journal of Refrigeration, 2012, 35, 1690-1696.	3.4	33
25	A new vortex generator geometry for a counter-flow Ranqueâ€“Hilsch vortex tube. Applied Thermal Engineering, 2010, 30, 2505-2511.	6.0	49
26	An experimental study on the effect of the valve angle of counter-flow Ranqueâ€“Hilsch vortex tubes on thermal energy separation. Experimental Thermal and Fluid Science, 2010, 34, 966-971.	2.7	63
27	Experimental Investigation of Thermal Behavior of Swirling Coaxial Impinging Air Jet for Near-Field Impingement Cases. UluslararasÄ± Muhendislik Arastirma Ve Gelistirme Dergisi, 0, , 443-453.	0.2	0