Cristiano Bigonha TibiriÃ§Ã¡

List of Publications by Year
in descending order

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Version: 2024-02-01

22	777	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamic Irreversibility Analysis of Dual-Skin Chest-Freezer. Entropy, 2022, 24, 453.	2.2	1
2	An experimental study of refrigerant expansion inside coiled adiabatic capillary tubes and development of a general correlation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	3
3	Numerical and experimental study of the transient behavior of a domestic vapor compression refrigeration system â€“ Influence of refrigerant charge and ambient temperature. Applied Thermal Engineering, 2021, 190, 116728.	6.0	14
4	A detailed study of the transient behavior of dual-skin chest-freezer with R290. International Journal of Refrigeration, 2021, 131, 300-311.	3.4	3
5	Overview of Void Fraction Measurement Techniques, Databases and Correlations for Two-Phase Flow in Small Diameter Channels. Fluids, 2020, 5, 216.	1.7	13
6	Heat transfer coefficient: a review of measurement techniques. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	23
7	Flow Boiling and Two-Phase Flows in Single Microchannels and Microchannel Heat Sinks: Fundamentals, Differences, and New Areas for Research. , 2018, , 185-231.		0
8	A complete set of simple and optimized correlations for microchannel flow boiling and two-phase flow applications. Applied Thermal Engineering, 2017, 126, 774-795.	6.0	36
9	A modified approach for numerical simulation of capillary tube-suction line heat exchangers. Applied Thermal Engineering, 2016, 102, 283-292.	6.0	6
10	Heat transfer during convective boiling inside microchannels. International Journal of Heat and Mass Transfer, 2016, 93, 566-583.	4.8	70
11	Critical heat flux in a 0.38mm microchannel and actions for suppression of flow boiling instabilities. Experimental Thermal and Fluid Science, 2015, 67, 48-56.	2.7	40
12	Flow Boiling Phenomenological Differences Between Micro- and Macroscale Channels. Heat Transfer Engineering, 2015, 36, 937-942.	1.9	21
13	Flow patterns and bubble departure fundamental characteristics during flow boiling in microscale channels. Experimental Thermal and Fluid Science, 2014, 59, 152-165.	2.7	74
14	Critical Heat Flux of R134a and R245fa Inside Small-Diameter Tubes. Heat Transfer Engineering, 2013, 34, 492-499.	1.9	11
15	Flow boiling in micro-scale channels â€“ Synthesized literature review. International Journal of Refrigeration, 2013, 36, 301-324.	3.4	119
16	Flow Boiling Characteristics for R1234ze(E) in 1.0 and 2.2 mm Circular Channels. Journal of Heat Transfer, 2012, 134, .	2.1	21
17	Saturated flow boiling heat transfer and critical heat flux in small horizontal flattened tubes. International Journal of Heat and Mass Transfer, 2012, 55, 7873-7883.	4.8	49
18	Experimental Investigation of Flow Boiling Pressure Drop of R134A in a Microscale Horizontal Smooth Tube. Journal of Thermal Science and Engineering Applications, 2011, 3, .	1.5	12

#	Article	IF	Citations
19	Two-Phase Frictional Pressure Drop and Flow Boiling Heat Transfer for R245fa in a 2.32-mm Tube. Heat Transfer Engineering, 2011, 32, 1139-1149.	1.9	30
20	Flow boiling heat transfer of R134a and R245fa in a 2.3 mm tube. International Journal of Heat and Mass Transfer, 2010, 53, 2459-2468.	4.8	105
21	Film thickness measurement techniques applied to micro-scale two-phase flow systems. Experimental Thermal and Fluid Science, 2010, 34, 463-473.	2.7	89
22	Evaluation of flow patterns and elongated bubble characteristics during the flow boiling of halocarbon refrigerants in a micro-scale channel. Experimental Thermal and Fluid Science, 2010, 34, 766-775.	2.7	37