

Mehmed Rafet Ȧzdemir

List of Publications by Year in descending order

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papers

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1040056

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g-index

23
all docs

23
docs citations

23
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	Single phase flow pressure drop and heat transfer in rectangular metallic microchannels. Applied Thermal Engineering, 2016, 93, 1324-1336.	6.0	74
2	Parametric study on the effect of end walls on heat transfer and fluid flow across a micro pin-fin. International Journal of Thermal Sciences, 2011, 50, 1073-1084.	4.9	36
3	High mass flux flow boiling and critical heat flux in microscale. International Journal of Thermal Sciences, 2013, 65, 70-78.	4.9	32
4	Flow Boiling of Water in a Rectangular Metallic Microchannel. Heat Transfer Engineering, 2021, 42, 492-516.	1.9	32
5	Experimental studies on ferrofluid pool boiling in the presence of external magnetic force. Applied Thermal Engineering, 2018, 139, 598-608.	6.0	26
6	Pressure drop across micro-pin heat sinks under unstable boiling conditions. International Journal of Thermal Sciences, 2010, 49, 1253-1263.	4.9	23
7	The effects of inlet restriction and tube size on boiling instabilities and detection of resulting premature critical heat flux in microtubes using data analysis. Applied Thermal Engineering, 2014, 65, 575-587.	6.0	21
8	Pool boiling heat transfer of ferrofluids on structured hydrophilic and hydrophobic surfaces: The effect of magnetic field. International Journal of Thermal Sciences, 2020, 155, 106420.	4.9	16
9	Influence of piston bowl geometry on combustion and emission characteristics. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 576-587.	1.4	13
10	Combustion performance of hydrogen-enriched fuels in a premixed burner. Environmental Technology (United Kingdom), 2020, 41, 2-13.	2.2	13
11	A REVIEW OF SINGLE-PHASE AND TWO-PHASE PRESSURE DROP CHARACTERISTICS AND FLOW BOILING INSTABILITIES IN MICROCHANNELS. Journal of Thermal Engineering, 0, , 2451-2463.	1.6	13
12	EFFECT OF THE GEOMETRICAL PARAMETERS IN A DOMESTIC BURNER WITH CRESCENT FLAME CHANNELS FOR AN OPTIMAL TEMPERATURE DISTRIBUTION AND THERMAL EFFICIENCY. Journal of Thermal Engineering, 0, , 171-183.	1.6	12
13	Low Mass Quality Flow Boiling in Microtubes at High Mass Fluxes. Journal of Thermal Science and Engineering Applications, 2011, 3, .	1.5	8
14	Design and implementation of minichannel evaporator for electronics cooling. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3761-3773.	3.6	6
15	Flow Boiling Heat Transfer in a Rectangular Copper Microchannel. Journal of Thermal Engineering, 2016, 2, .	1.6	6
16	Thermally Developing Single-Phase Flows in Microtubes. Journal of Heat Transfer, 2013, 135, .	2.1	3
17	Energy, Exergy and Exergo-Economic Characteristics of Hydrogen Enriched Hydrocarbon-Based Fuels in a Premixed Burner. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 3119-3136.	2.3	3
18	Thermodynamic and mathematical analysis of geothermal power plants operating in different climatic conditions. Case Studies in Thermal Engineering, 2022, 30, 101727.	5.7	3

#	ARTICLE	IF	CITATIONS
19	Exergy analysis of microchannel heat exchangers. International Journal of Exergy, 2020, 32, 249.	0.4	1
20	Flow Boiling Pressure Drop Characteristics in a Rectangular Metallic Microchannel. , 0, , .		1
21	Experimental Study on Single Phase Flow in Microchannels at High Mass Flow Rates. , 2010, , .		0
22	Boiling Heat Transfer in Microtubes at High Flow Rates. , 2010, , .		0
23	EXERGO-ECONOMIC ANALYSIS OF MICROCHANNELS IN SINGLE-PHASE FLOW. Journal of Thermal Engineering, 0, , 2371-2380.	1.6	0