

Amin Ebrahimi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

405
citations

9
h-index

20
g-index

20
ext. papers

514
ext. citations

3.9
avg, IF

4.39
L-index

#	Paper	IF	Citations
18	Heat transfer and entropy generation in a microchannel with longitudinal vortex generators using nanofluids. <i>Energy</i> , 2016 , 101, 190-201	7.9	134
17	Numerical study of liquid flow and heat transfer in rectangular microchannel with longitudinal vortex generators. <i>Applied Thermal Engineering</i> , 2015 , 78, 576-583	5.8	98
16	Laminar convective heat transfer of shear-thinning liquids in rectangular channels with longitudinal vortex generators. <i>Chemical Engineering Science</i> , 2017 , 173, 264-274	4.4	26
15	Low Mach number slip flow through diverging microchannel. <i>Computers and Fluids</i> , 2015 , 111, 46-61	2.8	21
14	Sensitivity of Numerical Predictions to the Permeability Coefficient in Simulations of Melting and Solidification Using the Enthalpy-Porosity Method. <i>Energies</i> , 2019 , 12, 4360	3.1	21
13	Numerical study of flow patterns and heat transfer in mini twisted oval tubes. <i>International Journal of Modern Physics C</i> , 2015 , 26, 1550140	1.1	19
12	DSMC investigation of rarefied gas flow through diverging micro- and nanochannels. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	18
11	An investigation on thermo-hydraulic performance of a flat-plate channel with pyramidal protrusions. <i>Applied Thermal Engineering</i> , 2016 , 106, 316-324	5.8	17
10	High-viscosity liquid mixing in a slug-flow micromixer: a numerical study. <i>Journal of Flow Chemistry</i> , 2020 , 10, 449-459	3.3	11
9	Thermal and hydraulic performance analysis of a heat sink with corrugated channels and nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 146, 2549	4.1	9
8	A simulation-based approach to characterise melt-pool oscillations during gas tungsten arc welding. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 164, 120535	4.9	9
7	Numerical study of molten metal melt pool behaviour during conduction-mode laser spot melting. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 105304	3	8
6	The Influence of Surface Deformation on Thermocapillary Flow Instabilities in Low Prandtl Melting Pools with Surfactants		5
5	FLOW AND THERMAL FIELDS INVESTIGATION IN DIVERGENT MICRO/NANO CHANNELS. <i>Journal of Thermal Engineering</i> , 2016 , 2,	1.1	3
4	The Effect of Groove Shape on Molten Metal Flow Behaviour in Gas Metal Arc Welding. <i>Materials</i> , 2021 , 14,	3.5	2
3	The effects of process parameters on melt-pool oscillatory behaviour in gas tungsten arc welding. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 275303	3	2
2	Pressure-Driven Nitrogen Flow in Divergent Microchannels with Isothermal Walls. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3602	2.6	2

- 1 The influence of laser characteristics on internal flow behaviour in laser melting of metallic substrates. *Materials and Design*, **2022**, 214, 110385 8.1 ○