Rajesh Nimmagadda

List of Publications by Year in Descending Order

18 papers	311 citations	9 h-index	17 g-index
19 ext. papers	370 ext. citations	2.6 avg, IF	4.08 L-index

#	Paper	IF	Citations
18	Heat Transfer Performance of Uni-Directional and Bi-Directional Lid-Driven Cavities Using Nanoparticle Enhanced Ionic Liquids (NEILS). *International Journal of Thermophysics*, **2021**, 42, 1	2.1	1
17	Conjugate heat transfer performance of stepped lid-driven cavity with Al2O3/water nanofluid under forced and mixed convection. *SN Applied Sciences*, **2021**, 3, 1	1.8	6
16	Dynamics of rising bubbles in gradually mixing fluids due to the effect of Rayleigh–Taylor instability. *International Journal of Multiphase Flow*, **2020**, 129, 103288	3.6	2
15	Cooling of high heat flux electronic devices using ultra-thin multiport minichannel thermosyphon. *Applied Thermal Engineering*, **2020**, 169, 114669	5.8	14
14	Experimental Studies on Thermophysical and Electrical Properties of Graphene–Transformer Oil Nanofluid. *Fluids*, **2020**, 5, 172	1.6	9
13	Feasibility of using multiport minichannel as thermosyphon for cooling of miniaturized electronic devices. *Heat Transfer*, **2020**, 49, 4834-4856	3.1	7
12	Thermal Management of Electronic Devices Using Gold and Carbon Nanofluids in a Lid-Driven Square Cavity Under the Effect of Variety of Magnetic Fields. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 1868-1878	1.7	9
11	Dynamics of rising bubbles in initially quiescent liquids that are later on disturbed by falling drops. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2020**, 42, 1	2	0
10	Effect of uniform/non-uniform magnetic field and jet impingement on the hydrodynamic and heat transfer performance of nanofluids. *Journal of Magnetism and Magnetic Materials*, **2019**, 479, 268-281	2.8	16
9	Effect of magnetic field and nanoparticle shape on jet impingement over stationary and vibrating plates. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 4948-4970	4.5	3
8	Buoyancy-Driven Heat Transfer Performance of Pure and Hybrid Nanofluids in Minienclosure. *Journal of Thermophysics and Heat Transfer*, **2018**, 32, 570-579	1.3	5
7	Numerical Investigation on Conjugate Heat Transfer Performance of Microchannel Using Sphericity-Based Gold and Carbon Nanoparticles. *Heat Transfer Engineering*, **2017**, 38, 87-102	1.7	5
6	Experimental and multiphase analysis of nanofluids on the conjugate performance of micro-channel at low Reynolds numbers. *Heat and Mass Transfer*, **2017**, 53, 2099-2115	2.2	18
5	Two-Phase Analysis on the Conjugate Heat Transfer Performance of Microchannel With Cu, Al, SWCNT, and Hybrid Nanofluids. *Journal of Thermal Science and Engineering Applications*, **2017**, 9,	1.9	21
4	Multiphase Approach on Heat Transfer Performance of Micro-Channel Using Hybrid Carbon Nanofluid **2015**,		3
3	Conjugate heat transfer analysis of micro-channel using novel hybrid nanofluids (. *European Journal of Mechanics, B/Fluids*, **2015**, 52, 19-27	2.4	105
2	Heat transfer performance of screen mesh wick heat pipes using silver–water nanofluid. *International Journal of Heat and Mass Transfer*, **2013**, 60, 201-209	4.9	76

1	Operational Limitations of Heat Pipes With Silver-Water Nanofluids. *Journal of Heat Transfer*, **2013**, 135,	1.8	10