

Rajesh Nimmagadda

List of Publications by Citations

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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 | Conjugate heat transfer analysis of micro-channel using novel hybrid nanofluids (. <i>European Journal of Mechanics, B/Fluids</i> , 2015 , 52, 19-27 | 2.4 | 105 |
| 17 | Heat transfer performance of screen mesh wick heat pipes using silver-water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 60, 201-209 | 4.9 | 76 |
| 16 | Two-Phase Analysis on the Conjugate Heat Transfer Performance of Microchannel With Cu, Al, SWCNT, and Hybrid Nanofluids. <i>Journal of Thermal Science and Engineering Applications</i> , 2017 , 9, | 1.9 | 21 |
| 15 | Experimental and multiphase analysis of nanofluids on the conjugate performance of micro-channel at low Reynolds numbers. <i>Heat and Mass Transfer</i> , 2017 , 53, 2099-2115 | 2.2 | 18 |
| 14 | Effect of uniform/non-uniform magnetic field and jet impingement on the hydrodynamic and heat transfer performance of nanofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 479, 268-281 | 2.8 | 16 |
| 13 | Cooling of high heat flux electronic devices using ultra-thin multiport minichannel thermosyphon. <i>Applied Thermal Engineering</i> , 2020 , 169, 114669 | 5.8 | 14 |
| 12 | Operational Limitations of Heat Pipes With Silver-Water Nanofluids. <i>Journal of Heat Transfer</i> , 2013 , 135, | 1.8 | 10 |
| 11 | Experimental Studies on Thermophysical and Electrical Properties of Graphene-Transformer Oil Nanofluid. <i>Fluids</i> , 2020 , 5, 172 | 1.6 | 9 |
| 10 | Thermal Management of Electronic Devices Using Gold and Carbon Nanofluids in a Lid-Driven Square Cavity Under the Effect of Variety of Magnetic Fields. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020 , 10, 1868-1878 | 1.7 | 9 |
| 9 | Feasibility of using multiport minichannel as thermosyphon for cooling of miniaturized electronic devices. <i>Heat Transfer</i> , 2020 , 49, 4834-4856 | 3.1 | 7 |
| 8 | Conjugate heat transfer performance of stepped lid-driven cavity with Al ₂ O ₃ /water nanofluid under forced and mixed convection. <i>SN Applied Sciences</i> , 2021 , 3, 1 | 1.8 | 6 |
| 7 | Numerical Investigation on Conjugate Heat Transfer Performance of Microchannel Using Sphericity-Based Gold and Carbon Nanoparticles. <i>Heat Transfer Engineering</i> , 2017 , 38, 87-102 | 1.7 | 5 |
| 6 | Buoyancy-Driven Heat Transfer Performance of Pure and Hybrid Nanofluids in Minienclosure. <i>Journal of Thermophysics and Heat Transfer</i> , 2018 , 32, 570-579 | 1.3 | 5 |
| 5 | Multiphase Approach on Heat Transfer Performance of Micro-Channel Using Hybrid Carbon Nanofluid 2015 , | | 3 |
| 4 | Effect of magnetic field and nanoparticle shape on jet impingement over stationary and vibrating plates. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 4948-4970 | 4.5 | 3 |
| 3 | Dynamics of rising bubbles in gradually mixing fluids due to the effect of Rayleigh-Taylor instability. <i>International Journal of Multiphase Flow</i> , 2020 , 129, 103288 | 3.6 | 2 |
| 2 | Heat Transfer Performance of Uni-Directional and Bi-Directional Lid-Driven Cavities Using Nanoparticle Enhanced Ionic Liquids (NEILS). <i>International Journal of Thermophysics</i> , 2021 , 42, 1 | 2.1 | 1 |

- 1 Dynamics of rising bubbles in initially quiescent liquids that are later on disturbed by falling drops. 2 0
Journal of the Brazilian Society of Mechanical Sciences and Engineering, **2020**, 42, 1