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Publications:

1. PR Jyothi Sankar, S Venkatachalapathy, MC Santhosh Kumar, " Effect of hydrophilic coating on mesh wicks used in heat pipes", Surface Engineering, Vol 36, pp 680-686, 2020.
2. PR Jyothi Sankar, S Venkatachalapathy, Lazarus G Asirvatham, "Thermal performance enhancement studies using graphite nanofluid for heat transfer applications", Heat Transfer, Vol 49, pp 3013-3029, 2020.
3. PR Jyothi Sankar, S Venkatachalapathy, Lazarus Godson Asirvatham, Somchai Wongwises, "Effect of coated mesh wick on the performance of cylindrical heat pipe using graphite nanofluids", Journal of Thermal Analysis and Calorimetry, pp 1-13,2020.
4. P Kalidoss, S Venkatachalapathy, S Suresh, "Optical and Thermal Properties of Therminol 55-TiO₂ Nanofluids for Solar Energy Storage", International Journal of Photoenergy, 2020.
5. P Kalidoss, S Venkatachalapathy, S Suresh, "Photothermal energy conversion enhancement studies using low concentration nanofluids", Journal of Solar Energy Engineering, Vol 141, 2019.
6. S Anbu, S Venkatachalapathy, S Suresh, "Convective heat transfer studies on helically corrugated tubes with spiraled rod inserts using TiO₂/DI water nanofluids", Journal of Thermal Analysis and Calorimetry, Vol 137, pp 849-864,2019.
7. Anil Reddy Yagnem, S Venkatachalapathy, "Heat transfer enhancement studies in pool boiling using hybrid nanofluids", Thermochimica Acta, Vol 672, pp 93-100,2019.
8. R Manickam, P Kalidoss, S Suresh, S Venkatachalapathy, "Erythritol based Nano-PCM for Solar Thermal Energy Storage", International Research Journal of Engineering and Technology (IRJET), Vol 6, pp 1631-6, 2019.
9. S Anbu, S Venkatachalapathy, S Suresh, "Heat transfer and pressure drop studies of TiO₂/DI water nanofluids in helically corrugated tubes using spiraled rod inserts", Heat and Mass Transfer, Vol 54, pp 1301-1311,2018.
10. Akash A Revankar, S Venkatachalapathy, "Experimental studies on internally grooved double pipe heat exchanger using Al₂O₃/TiO₂ nanofluids", Journal of Nanofluids, Vol 7, pp 275-283, 2018.
11. R Kamatchi, S Venkatachalapathy, C Nithya, "Experimental investigation and mechanism of critical heat flux enhancement in pool boiling heat transfer with nanofluids", Heat and Mass Transfer, Vol 52, pp 2357-2366, 2016.

12. R Kamatchi, S Venkatachalapathy, B Abhinaya Srinivas, "Synthesis, stability, transport properties, and surface wettability of reduced graphene oxide/water nanofluids", Vol 97, pp 17-25, 2015.
13. S Venkatachalapathy, G Kumaresan, S Suresh, "Performance analysis of cylindrical heat pipe using nanofluids—an experimental study", International Journal of Multiphase Flow, Vol 72, pp 188-197, 2015.
14. R Kamatchi, S Venkatachalapathy, "Parametric study of pool boiling heat transfer with nanofluids for the enhancement of critical heat flux: a review", International Journal of Thermal Sciences, Vol 87, pp 228-240, 2015.