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Last 5 years publications

1. Effect of hydrophilic coating on mesh wicks used in heat pipes
PR Jyothi Sankar, S Venkatachalapathy, MC Santhosh Kumar
Surface Engineering 36 (7), 680-686
2. Thermal performance enhancement studies using graphite nanofluid for heat transfer applications
PR Jyothi Sankar, S Venkatachalapathy, LG Asirvatham
Heat Transfer 49 (5), 3013-3029
3. Effect of coated mesh wick on the performance of cylindrical heat pipe using graphite nanofluids
PRJ Sankar, S Venkatachalapathy, LG Asirvatham, S Wongwises
Journal of Thermal Analysis and Calorimetry, 1-13
4. Optical and Thermal Properties of Therminol 55-TiO₂ Nanofluids for Solar Energy Storage
P Kalidoss, S Venkatachalapathy, S Suresh
International Journal of Photoenergy 2020
5. Photothermal energy conversion enhancement studies using low concentration nanofluids
P Kalidoss, S Venkatachalapathy, S Suresh
Journal of Solar Energy Engineering 141 (6)

6. Convective heat transfer studies on helically corrugated tubes with spiraled rod inserts using TiO₂/DI water nanofluids
S Anbu, S Venkatachalapathy, S Suresh
Journal of Thermal Analysis and Calorimetry 137 (3), 849-864
7. Heat transfer enhancement studies in pool boiling using hybrid nanofluids
AR Yagnem, S Venkatachalapathy
Thermochimica Acta 672, 93-100
8. Erythritol based Nano-PCM for Solar Thermal Energy Storage
R Manickam, P Kalidoss, S Suresh, S Venkatachalapathy
International Research Journal of Engineering and Technology (IRJET) 6, 1631-6
9. Heat transfer and pressure drop studies of TiO₂/DI water nanofluids in helically corrugated tubes using spiraled rod inserts
S Anbu, S Venkatachalapathy, S Suresh
Heat and Mass Transfer 54 (5), 1301-1311
10. Experimental studies on internally grooved double pipe heat exchanger using Al₂O₃/TiO₂ nanofluids
AA Revankar, S Venkatachalapathy
Journal of Nanofluids 7 (2), 275-283
11. Experimental investigation and mechanism of critical heat flux enhancement in pool boiling heat transfer with nanofluids
R Kamatchi, S Venkatachalapathy, C Nithya
Heat and Mass Transfer 52 (11), 2357-2366