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Publication Details:

1. SC Kim, R Prabakaran, D Sakthivadivel, N Thangapandian, A Bhatia, " Thermal transport properties of carbon-assisted phase change nanocomposite," Fullerenes, Nanotubes and Carbon Nanostructures 28 (11), 925-933, 2020.
2. M Meikandan, P Ganesh Kumar, D Sakthivadivel, VS Vigneswaran, "Multi-wall carbon nanotubes coating on a copper substrate using airbrush spray coating," Proceedings of the Institution of Mechanical Engineers, 2020.
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4. GK Poongavanam, S Duraisamy, VS Vigneswaran, V Ramalingam, " Review on the electrical conductivity of nanofluids: Recent developments," Materials Today: Proceedings, 2020.
5. KP Ganesh, K Balaji, D Sakthivadivel, M Renuka, " Thermal Stability, Density, Rheology, and Electrical Conductivity of Two Different Ionic Liquids for Solar Thermal Applications," Smart and Sustainable Manufacturing Systems 4 (1), 19-32, 2020.
6. GK Poongavanam, D Sakthivadivel, M Meikandan, K Balaji, " Thermal performance augmentation of a solar flat plate collector using the shot peening technique," Science and Technology for the Built Environment 26 (3), 437-445, 2020.
7. GK Poongavanam, B Kumar, S Duraisamy, K Panchabikesan, "Heat transfer and pressure drop performance of solar glycol/activated carbon based nanofluids in shot peened double pipe heat exchanger," Renewable Energy 140, 580-591, 2020.
8. PG Kumar, K Balaji, D Sakthivadivel, VS Vigneswaran, M Meikandan, .. " Effect of using low-cost thermal insulation material in a solar air heating system with a shot blasted V-corrugated absorber plate," Thermal Science and Engineering Progress, 2019.
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11. M Renuka, K Balaji, D Sakthivadivel, M Meikandan, P Ganesh Kumar, " Selection of optimal glazing material for solar thermal applications using grey relational analysis" International Journal of Ambient Energy, Vol 1, issue 5, 2019.
12. D Sakthivadivel, P Ganesh Kumar, VS Vigneswaran, S. Iniyan, Portable Advanced Micro-Gasifier Cookstove, 2019.

13. D Sakthivadivel, P Ganesh Kumar, VS Vigneswaran, M Meikandan, "Performance study of an advanced micro-gasifier stove with coconut shell," *European Journal of Sustainable Development Research*, 2019.
14. SI K. Balaji, P. Ganesh Kumar, D. Sakthivadivel, V. S. Vigneswaran, "Experimental investigation on flat plate solar collector using frictionally engaged thermal performance enhancer in the absorber tube," *Renewable Energy*, 2019.
15. VR Ganesh Kumar Poongavanam, Karthik Panchabikesan, Renuka Murugesan, "Experimental investigation on heat transfer and pressure drop of MWCNT - solar glycol based nanofluids in shot peened double pipe heat exchanger" *Powder Technology*, 2019.
16. D Sakthivadivel, PG Kumar, S Stephil, VS Vigneswaran, S Iniyan, "Experimental Investigation of doped MWCNTs on Biodiesel for Enhancement of the Performance and Exhaust Emissions in a diesel engine," *Fullerenes, Nanotubes and Carbon Nanostructures*, 2019.
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19. D Sakthivadivel, "Performance Enhancement of an Advanced Micro-gasifier Cookstove," *International Conference, Anna University, Chennai*, 2018.
20. D Sakthivadivel, S Iniyan, "Experimental design and 4E (Energy, Exergy, Emission and Economical) analysis of a fixed bed advanced micro-gasifier stove", *Environmental Progress and Sustainable Energy* 37 (6), 2139-2147, 2018.
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