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LIST OF PUBLICATIONS

1. K Karunamurthy, Debdutta Chatterjee, Shivam Pattanashetti, Aditya Chhetri, Aswin Sevugan, G Suganya, 'Prediction of Thermal Performance of Cooling Tower of a Chiller Plant Using Machine Learning', IOP Conference Series: Earth and Environmental Science 573 (1), 012029, 2020
2. CP Balaji, K Karunamurthy, 'Carbon Capture and Storage Using Renewable Energy Sources: A Review', IOP Conference Series: Earth and Environmental Science 573 (1), 012004, 2020.
3. BJ Shinde, K Karunamurthy, S Ismail, 'Thermodynamic analysis of gasoline-fueled electronic fuel injection digital three-spark ignition (EFI-DTSI) engine', Journal of Thermal Analysis and Calorimetry 141 (6), 2355-2367, 2020.
4. NA Mandhare, K Karunamurthy, S Ismail, 'Computational Investigation of Flow Over Nose Cap of Closed Impeller of Mixed Flow Centrifugal Pump', Journal of Pressure Vessel Technology 142 (3), 2020.
5. SI Neeta A Mandhare, K Karunamurthy, 'Investigation On Centrifugal Pump Performance For Various Nose Cap Geometries', International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES - 2020] NIT Rourkela, India, pages 1-10, 2020.
6. Muzammil S Khan, Mahendra Singh Sisodia, Shubham Gupta, M Feroskhan, S Kannan, Karunamurthy Krishnasamy, 'Measurement of tribological properties of Cu and Ag blended coconut oil nanofluids for metal cutting', Engineering Science and Technology, an International Journal 22 (6), 1187-1192, 2019.
7. K Karunamurthy, P Singh, S Kumar, S Kumar , 'Feasibility study of carbon

capture and storage on NLC India Ltd', International Journal of Ambient Energy 40 (7), 687-692, 2019.

8. NA Mandhare, K Karunamurthy, S Ismail, 'Compendious review on "internal flow physics and minimization of flow instabilities through design modifications in a centrifugal pump', Journal of Pressure Vessel Technology 141 (5), 2019.
9. K Karunamurthy, R Manimaran, M Chandrasekar, 'Prediction of solar pond performance parameters using artificial neural network', International Journal of Computer Aided Engineering and Technology 11 (2), pp. 141-150, 2019.
10. K Karunamurthy*, K Madhusudana Sankar, S Vignesh, 'Heat Pipes For Enhancing The Performance Of Thermal Systems: A Review', International Journal of Mechanical Engineering and Technology 9 (5), 392-399, 2018.
11. K Karunamurthy, Harsha I B, Addepalli K, 'Heat Transfer Augmentation on IC Engine Waste Heat Recovery System', International Journal of Mechanical Engineering and Technology 9 (1), 924-933, 2018.
12. Manimaran Renganathan, Karunamurthy Krishnasamy, 'Effect of Lower Convective Zone Thickness and Swirl Flow on the Performance of a Salinity Gradient Solar Pond', Chemical Engineering Transactions 62 (1), 283-288, 2017.
13. Manish Chaudhuri, Karunamurthy K, 'Determining the effect of coated and uncoated tool insert during turning of EN31 steel', International Journal of Mechanical Engineering and Technology 8 (11), 1009-1019, 2017.
14. RR Addepalli Kasyap, I Bhanu Harsha, K Karunamurthy, 'Waste Heat Recovery System of an IC Engine Using Twisted Tapes', National Conference on Waste to Energy, Carbon Capture and Storage, 135, 2017.
15. Vivek Singh, Karunamurthy K, Nayan Singh, 'Experimental Study On In-Pond Heat Exchanger Provided With Twisted Tapes', Asian Journal Of

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16. A Surya Kasyap, K Karunamurthy, I Bhanu Harsha, 'Heat Transfer Enhancement in Waste Heat Recovery System', National Conference on Smart Energy Systems for Sustainable Development, 2017.
17. K Karunamurthy, Pranay Singh, Satyam Kumar, 'Assessment of Retrofitting CCS Over Coal Power Plants In India', National Conference on Smart Energy Systems for Sustainable Development, 2017.
18. K Karunamurthy, MR Rajesh, B Vijaypal, A Kumar, 'Thermal Conductivity and Charging & Discharging Characteristics of a Thermal Energy Storage System Blended with Al₂O₃ Nanoparticles', Nano Hybrids and Composites 17, 10-17, 2017.
19. R Manimaran K Karunamurthy, 'Optimization of an Air-Conditioned Flow in a Residential Apartment for Thermal Comfort', International Journal of Pure and Applied Mathematics 109 (8), 209-216, 2016.
20. Joydas Prabhat Kumar Jha, K Karunamurthy, Rahul Malik, 'Study of Exhaust Gas Temperature of S I Engine Using Water Injection', Indian Journal Of Science And Technology 9 (35), 1-6, 2016.
21. K Karunamurthy, Pramod R Hande, 'Experimental study of heat transfer enhancement in an in-pond heat exchanger using twisted tapes', International Journal of Applied Engineering Research 10 (68), 885-890, 2015.
22. R Sivakumar Anuprita Bhosale, K Karunamurthy, 'CFD analysis on heat transfer enhancement and pressure drop reduction in tube fitted with rectangular cut twisted tapes', International Conference on Technological Convergence for Information, Health, Food, Energy Security 2015 (TCIFES2015), 1(1), pp. 149-150, 2015.