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LIST OF PUBLICATION

1. S. Senthilraja, R. Gangadevi, Hasan Kote and R.Marimuthu, Performance assessment of a solar powered hydrogen production system and its ANFIS model, Heliyon, 6. 2020, e05271(**SCI Indexed SNIP 0.763**)
2. S. Senthilraja, R. Gangadevi, M.Thirugnanam and Hasan Kote, Application of Taguchi method in the optimization of diesel engine parameters with CuO/water nanofluid coolant, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, Jun 2020, 11055 –11064. 2020 (**Scopus Indexed - SNIP 0.413**)
3. M.Thirugnanam, S. Senthilraja, R. Gangadevi and R. Marimuthu, Effect of load, time and temperature of water on water consumption and electrical energy consumption of washing machine: An Experimental study, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 10, Issue 3, Jun 2020, 7569–7576. 2019 (**Scopus Indexed - SNIP 0.413**)
4. S. Senthilraja, R. Gangadevi, R. Marimuthu, M. Baskaran, Performance evaluation of water and air based PVT solar collector for hydrogen production application, international journal of hydrogen energy, 2019 (**SCI Indexed IF 4.22**)
5. R.Gangadevi, B.K.Vinayagam, S.Senthilraja, An experimental investigation of the effects of sonication time and volume concentration on the performance of PVT solar collector, IET Renewable power Generation, 2018, Vol. 12 Issue. 12, pp. 1375-1381. (**SCI Indexed IF 3.4**)
6. M.Thirugnanam, S.Senthilraja, R.Gangadevi, Romit Nag, G.V. Abhishek and Arnav Kumar, Advanced sway suppression control system of overhead crane, International journal of pure and applied mathematics, 2018, vol. 118. No. 24, 1-11. (**Scopus Indexed**) **SNIP 0.394**
7. R.Gangadevi, B.K.Vinayagam, S.Senthilraja, Performance analysis of Photovoltaic /Thermal collector system using ZnO/water nanofluid, International journal of pure and applied mathematics, 2018, vol. 118. No. 24, 1-16. (**Scopus Indexed**) **SNIP 0.394**
8. R.Gangadevi, B.K.Vinayagam, S.Senthilraja, Effects of sonication time and temperature on thermal conductivity of CuO/water and Al₂O₃/water

nanofluids with and without surfactant, *Materials Today: Proceedings* 5 (2018) 9004–9011(**Scopus Indexed**)

9. Senthilraja S, Vijayakumar KCK, Gangadevi R, Influence of coolant temperature and volume concentration of nanofluid based coolants on exhaust emissions of diesel engine, *Interciencia Journal*, (2018) Vol. 43, No. 4, PP. 50-60 [**IF – 0.28**](**SCI Indexed**)
10. Senthilraja S, Vijayakumar KCK, Gangadevi R, Effects Of Specific Fuel Consumption and Exhaust Emissions of Four Stroke Diesel Engine with CuO/Water Nanofluid as coolant, *Achieves of Mechanical Engineering*, (2017) Vol. LXIV, No. 1, PP. 111-121 [**SNIP – 0.453**](**Scopus Indexed**)
11. Gangadevi R Vinayagam BK, Senthilraja S, “Experimental Investigations of Solar Assisted Airconditioning System using Al₂O₃/ Water Nanofluid”, *International journal of control theory and its applications*, (2016), Vol. 14 Issue 9, PP. 6839-6845, (**Scopus Indexed**)
12. Senthilraja S, Vijayakumar KCK, Gangadevi R,” Preparation and Comparative study of effects of Sonication time and Temperature on thermal conductivity of Al₂O₃/Water and CuO/Water Nanofluids”, *Journal of Advances in Chemistry*, (2016) Vol. 12, No 11, pp. 4536-4542.
13. Senthilraja S, Vijayakumar KCK, Gangadevi R,” A comparative study on Thermal Conductivity of Al₂O₃/Water, CuO/Water And Al₂O₃ – CuO/Water Nanofluids, *Digest Journal of Nanomaterials and Bio structures*, October - December 2015, Vol. 10, No. 4, p. 1449 – 1458 [**IF – 0.756**] (**SCI Indexed**)
14. Senthilraja S, Vijayakumar KCK, Gangadevi R,” Study of forced convection heat transfer of different nanofluids in the radiator cooling system”, *International Journal of Applied Engineering Research*, (2015), Vol. 10 No.21, pp.20421-20424 [**SNIP – 0.256**] (**Scopus Indexed**)
15. Senthilraja S, Vijayakumar KCK, Gangadevi R,” Experimental investigation of Heat transfer performance of different nanofluids using automobile radiator”, *Applied Mechanics and Materials* (2015), Vol. 787, pp 212-216(**Scopus Indexed**)