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Last 5 Years Publications

1. Balaji Subramanian, Venugopal T, Feroskhan M, Sivakumar R, "Emission Characteristic of a Dual fuel Compression Ignition Engine Operating on Diesel + Hydrogen & Diesel + HHO gas with same Energy Share at Idling Condition", IOP Conf. Series: Earth and Environmental Science 573 (2020). doi:10.1088/1755-1315/573/1/012001
2. Harish R and Sivakumar R, "Turbulent thermal convection of nanofluids in cubical enclosure using two-phase mixture model", International Journal of Mechanical Sciences, 190, 2021. <https://doi.org/10.1016/j.ijmecsci.2020.106033> (SCIE)
3. Harish R and Sivakumar R, "Effects of nanoparticle dispersion on turbulent mixed convection flows in cubical enclosure considering Brownian motion and thermophoresis", Powder Technology (IF 4.142) Pub Date : 2020-10-01 , DOI: 10.1016/j.powtec.2020.09.054 (SCIE)
4. Karthiyaini, Sivakumar R and Shanmuga Sundaram, Market Response Of Real Estate And Automotive Industry During Pandemic-A Transdisciplinary Approach, International Journal of Management (IJM) Volume 11, Issue 5, May 2020, pp. 764-769
5. Praveen Kumar, Ashish Kumar, Manshu Gupta, R. Siva Kumar and T. Venugopal, Methods to Improve the Spray Characteristics of n-Butanol by Visualization of Spray in a Port Injector", International Journal of Recent Technology and Engineering (IJRTE)". ISSN: 2277-3878, Volume 8 Issue-6, March 2020
6. Ganesh, Sivakumar R and G. Sakthivel, "FIXED DISPLACEMENT GEROTOR OIL PUMP (FDOP): A SURVEY", International Journal of Ambient Energy". <https://doi.org/10.1080/01430750.2020.1731708>
7. Alamelu Manghai, T.M., Jegadeeshwaran, R., Sakthivel, G., Sivakumar, R., Saravana Kumar, D., Condition monitoring of hydraulic brake system using rough set theory and FUZZY rough nearest neighbor learning algorithms, Proceedings - 2019 IEEE International Symposium on Smart Electronic Systems, iSES 2019.
8. Naveen Kumar, P., Sakthivel, G., Jegadeeshwaran, R., Sivakumar, R., Saravana Kumar, D., Vibration based IC engine fault diagnosis using tree family classifiers-a machine learning approach, Proceedings - 2019 IEEE International Symposium on Smart Electronic Systems, iSES 2019.

9. Supriya J. Magdum, Alokekumar Das, Vinayak Shetty, Sivakumar R and G. Sakthivel, "DOE study of the effect of various parameters on fuel tank sloshing using multiphysics CFD", International Journal of Ambient Energy", 2018 <https://doi.org/10.1080/01430750.2018.1451383>
10. B. I. Darshandeep, R. Sivakumar, G. Sakthivel, S. Subramaniam and Jussi Oksanen, "Design and analysis to analyse the heat transfer of a space heater for a boat", International Journal of Ambient Energy", 39(4), 414-423, 2018. 5
11. Govinda Anantha Padmanabha, Shravan Tata Ramalingasetty, Boobalan Vetrivel, Indrajit Mukherjee, Omkar .S.N, and Sivakumar R, "Computational Modelling of Musculoskeletal to predict the Human Response with Exoskeleton Suit", International Journal of Biomechatronics and Biomedical Robotics, 2017. (In press).
12. Sakthivel Gnaanseakaran, Sivakumar R, Saravanan N, and Bernard W Ikua, "A Hybrid Decision Support System to evaluate the Optimum Fuel Blend in IC Engine to enhance the Energy Efficiency and Energy Management", Energy, 140, 566-583, 2017. (Impact factor – 5.182)
13. Seetharaman S, Mahesh S V, Ganesh T and Sivakumar R, "Design and Experimental analysis of eliptor rotor", Concurrent Advances in Mechanical Engineering, 2(1), 12-17, 2016.
14. G. Darshan, S.K. Vijayasimha, R. Sivakumar, "3D Scanning Techniques Complements Predictive Engineering for Mold Flow Analysis", Applied Mechanics and Materials, 854, 65-71, 2016.
15. Gnanasekaran Sakthivel, Sivakumar R., Mani Illangkumaran and Bernard W Ikua, "Selection of Optimum Fishoil Fuel Blend To Reduce The Greenhouse Gases Emissions In An Ic Engine - A Hybrid Multiple Criteria Decision Aid Approach", International Journal of Green Energy, 13(14), 1517-1533, July, 2016 (online). (Impact factor – 1.6)
16. Kosamana Bhaskara Rao, Rajesh Mavuri, and R. Sivakumar, "Flexible charging time and geography independent dual thermal cycle based energy storage", Progress in Industrial Ecology – An International Journal, 9(2), 191 – 199, 2015. (Impact factor – 0.475)
17. Rajesh Mavuri, Kosamana Bhaskara Rao and R. Sivakumar, "Thermodynamic analysis of different cycles for high-temperature concentrated solar power applications", Progress in Industrial Ecology – An International Journal, 9(2), 144 – 152, 2015. (Impact factor – 0.475)
18. Pavan and Sivakumar R, "CFD analysis of a circular tube fitted with RTSG", International Journal of Applied Engineering Research, ISSN 0973-4562, 10(68), 29 – 33, 2015. (Impact factor – 0.149)

19. Pavan, Sathyanarayanan, Rajesh Kumar R, N.C. Lenin and Sivakumar R, "Thermal Analysis of a 3 phase, 550 W Switched Reluctance Machine", International Journal of Applied Engineering Research, 10(66), 86-90, 2015. (Impact factor – 0.149)
20. Pavan, Sathyanarayanan N, Rajesh Kumar R, N.C. Lenin and Sivakumar R, "Thermal Investigation of Switched Reluctance Motor", International Journal of Electrical Engineering, ISSN 0974-2158, 8(2), 115-121, 2015.