

List of Scopus Journal/Conference Publications

1. **Vinod Kumar Sharma**, E. Anil Kumar, “Measurement and simulation of hydrogen storage and thermodynamic properties of $\text{LaNi}_{4.7}\text{Al}_{0.3}$ hydride, **International Journal of Applied Engineering Research**, 9 (2014) 985-994.
2. **Vinod Kumar Sharma**, Man Mohan, B. Chandra Mouli, “Effect of intake swirl on the performance of single cylinder direct injection diesel engine”, **Material Science and Engineering**, 263 (2017) 1-9. **IOP Science**.
3. **Vinod Kumar Sharma**, Man Mohan, B. Chandra Mouli, “Effect of measurement conditions on pressure-concentration isotherm and thermodynamic properties of $\text{LaNi}_{4.6}\text{Al}_{0.4}$ hydride”, **Materials Today Proceedings**, 5 (2018) 12103-12108.
4. **Vinod Kumar Sharma**, E. Anil Kumar, “Thermodynamic analysis of two stage metal hydride-based hydrogen compressor using static and dynamic PCI data” Proceedings of **International Conference on Advances in Energy Research (ICAER2015)**, 15-17 December 2015, Mumbai. **Materials Today Proceedings**, 5 (2018) 23218-23223.
5. J. Krishna, P. S. Kishore, A. Brusly Solomon, **Vinod Kumar Sharma**, “Experimental and numerical investigations on Al_2O_3 – Tricosane based heat pipe thermal energy storage”, **International Journal of Engineering**, 31 (2018) 980-985.
6. Vinukonda Nagargun, **Vinod Kumar Sharma**, “Review on contemporary trends in radiator design and testing of automobile radiator”, **International Journal of Mechanical Engineering and Technology**, 9 (2018) 671-680.
7. Mohan Man, **Vinod Kumar Sharma**, Kumar E. Anil, Gayathri V, “Hydrogen Storage in Carbon Materials – A Review”, **Energy Storage**, <https://doi.org/10.1002/est2.35>.

8. Choudhari Manoj, Ahuja Kunal, Thakkur Siddhant, Bardhan Subhro, **Vinod Kumar Sharma**, “Performance investigation of metal hydride based heat transformer”, **Energy Storage**, doi.org/10.1002/est2.56.
9. Shajiullah Naveed Syed, **Vinod Kumar Sharma**, “Thermodynamic simulation of CO₂ – Adsorbent based sorption refrigeration system”, **FME Transactions**, 48 (2020) 187-194.
10. Sanjay Kumar, Satyasreet Jena, Varun Lahoty, M.K. Paswan, B.Sharma, D.Patel, S.B.Prasad, **Vinod Kumar Sharma**, “Experimental investigation on the effect of welding parameters of TIG welded joints using ANOVA”, **Materials Today Proceedings**, 22 (2020) 3181-3189.
11. Bhuvnesh Sharma, Man Mohan, Jigesh Yadav, M.K. Paswan, R.Chandrasekaran, **Vinod Kumar Sharma**, Manoj Shyamrao Choudhary, “Linear Programming Archetypal for Collective Assembly and Preventive Aliment Arrangement for Reconfigurable Accomplishment System”, **Materials Today Proceedings**, 22 (2020) 2058-2065.
12. Shajiullah Naveed Syed, Satyasreet Jena, **Vinod Kumar Sharma**, E. Anil Kumar “Performance Investigation of Multi-Stage Hydrogen-Based Sorption HeatPump”, **FME Transactions**, 49 (2021) 121-127.
13. Krishna Praneel, **Vinod Kumar Sharma**, “Experimental Analysis of Diesel Engine Run on Biodiesel Derived from Kusum Oil”, **Materials Today Proceedings**, <https://doi.org/10.1016/j.matpr.2021.02.700>.
14. Prashant Kumar, Ashok Darsiguta, B. Chandra Mouli, **Vinod Kumar Sharma**, Neeraj Sharma, Anil Singh Yadav, “Analysis of intake swirl in a compression ignition engine at different intake valve lifts”, **Materials Today Proceedings**, <https://doi.org/10.1016/j.matpr.2021.03.663>.
15. Chandra Mouli Badiganti, L. Siva, J. Venkata Midhun, M. Srinivasulu, K. Kishore Kumar, **Vinod Kumar Sharma**, “Effect of four-parameter power law on free vibration of functionally graded skewed elliptical shell”, **AIP Conference Proceedings**, 2341 (2021) 020035.

- 16.R. Chandrasekaran, Saloni, Bavana Sri P.S., **Vinod Kumar Sharma**, Manoj Chaudhari, Man Mohan, Jogi Krishna, “Performance and emission characteristics of single cylinder diesel engine fuelled with jatropha-diesel blends”, **AIP Conference Proceedings**, 2341 (2021) 030002.
- 17.Sukanta Nayak, Satyasreet Jena, Abu Sharique Shamshad Khan, Mani Kant Paswan, **Vinod Kumar Sharma**, “Use of Corrugated pipe heat exchanger in waste heat recovery steam generators”, **Materials Science and Engineering**, 1123 (2021) 012037.
- 18.Badiganti Chandra Mouli, Tino Joe Tenson, Manoj S. Choudhari, Manikant Paswan, **Vinod Kumar Sharma**, “Recent advancements in metal hydride based thermochemical energy storage system – A short review”, **Materials Today Proceedings**, <https://doi.org/10.1016/j.matpr.2021.10.313>. ISSN: 22147853.