

Edison Gundabattini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9200428/publications.pdf>

Version: 2024-02-01

26
papers

284
citations

1040056

9
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on methods of finding losses and cooling methods to increase efficiency of electric machines. Ain Shams Engineering Journal, 2021, 12, 497-505.	6.1	38
2	A Survey on the Effectiveness of Online Teachingâ€“Learning Methods for University and College Students. Journal of the Institution of Engineers (India): Series B, 2021, 102, 1325-1334.	1.9	32
3	Thermal Mapping of a High-Speed Electric Motor Used for Traction Applications and Analysis of Various Cooling Methodsâ€“A Review. Energies, 2021, 14, 1472.	3.1	31
4	Analysis of thermal stresses and its effect in the multipass welding process of SS316L. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 384-391.	2.5	29
5	Weld bead temperature and residual stresses evaluations in multipass dissimilar INCONEL625 and SS316L by GTAW using IR thermography and x-ray diffraction techniques. Materials Research Express, 2019, 6, 0965a9.	1.6	23
6	A Comparative Study on the Performances of Flat Plate and Evacuated Tube Collectors Deployable in Domestic Solar Water Heating Systems in Different Climate Areas. Climate, 2020, 8, 78.	2.8	19
7	Multipass Welding On Inconel Material with Pulsed Current Gas Tungsten Arc Welding. Materials Today: Proceedings, 2017, 4, 1452-1458.	1.8	18
8	Water cooling, PSG, PCM, Cryogenic cooling strategies and thermal analysis (experimental and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Engineering Sciences, 2021, 46, 1.	1.3	12
9	A Review on Methods to Reduce Weight and to Increase Efficiency of Electric Motors Using Lightweight Materials, Novel Manufacturing Processes, Magnetic Materials and Cooling Methods. Annales De Chimie: Science Des Materiaux, 2020, 44, 1-14.	0.4	12
10	Mechanical and Metallurgical Properties of CO2 Laser Beam INCONEL 625 Welded Joints. Applied Sciences (Switzerland), 2021, 11, 7002.	2.5	10
11	A Study on the Online-Offline and Blended Learning Methods. Journal of the Institution of Engineers (India): Series B, 2022, 103, 1373-1382.	1.9	8
12	A Review of Mathematical Models for Performance Analysis of Hybrid Solar Photovoltaic - Thermal (PV/T) Air Heating Systems. Advanced Materials Research, 2013, 768, 29-39.	0.3	7
13	Review of air-cooling strategies, combinations and thermal analysis (experimental and analytical) of a permanent magnet synchronous motor. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 655-668.	2.1	7
14	Effect of Heat Input on Distortions and Residual Stresses Induced by Gas Tungsten Arc Welding in SS 316L to INCONEL625 Multipass Dissimilar Welded Joints. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.8	6
15	Performance analysis of nano-refrigerants used in the vapor compression refrigeration system using MATLAB-Simulink. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 6948-6966.	2.1	6
16	Modeling and Simulation of Electric Motors Using Lightweight Materials. Energies, 2022, 15, 5183.	3.1	6
17	A Review on Vibrations in Various Turbomachines such as Fans, Compressors, Turbines and Pumps. Journal of Vibration Engineering and Technologies, 2021, 9, 1557-1575.	2.2	5
18	Properties and Performance of Eco-Friendly Hydro-Fluoro-Olefin (HFO) Refrigerant-R1234yf: Part I. International Journal of Air-Conditioning and Refrigeration, 0, , 2130005.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Thermal and Residual Stress Distributions in Inconel 625 Butt-Welded Plates: Simulation and Experimental Validation. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-12.	1.8	4
20	Performance of Nanoparticles in Refrigeration Systems: A Review. <i>Journal of Nanofluids</i> , 2022, 11, 469-486.	2.7	3
21	Optimization and Analysis of Design Parameters, Excess Air Ratio, and Coal Consumption in the Supercritical 660MW Power Plant Performance using Artificial Neural Network. <i>Journal of the Institution of Engineers (India): Series C</i> , 2022, 103, 445-457.	1.2	2
22	Investigation on the density of Al ₂ O ₃ /R1234yf, TiO ₂ /R1234yf and CuO/R1234yf nano-refrigerants. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 0, , 239779142210986.	0.6	1
23	Discomfort Experienced by Students While Attending Online Classes During the Pandemic Period. <i>Lecture Notes in Networks and Systems</i> , 2022, , 1787-1798.	0.7	1
24	Utilization of Wind Tunnels for Subsonic and Transonic Flow for Aeronautical and Non-aeronautical Applications: A Review. <i>Journal of the Institution of Engineers (India): Series C</i> , 0, , 1.	1.2	0
25	Irreversibility analysis of various components in a supercritical thermal power plant. <i>International Journal of Exergy</i> , 2022, 37, 313.	0.4	0
26	Investigation of the Performance of a 660-MW Supercritical Boiler in Terms of NO _x Emission and Enhancing the Thermal Efficiency by Optimizing the Air Distribution System. <i>Journal of the Institution of Engineers (India): Series C</i> , 0, , .	1.2	0