

# Edison Gundabattini

## List of Publications by Year in descending order

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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	Optimization and Analysis of Design Parameters, Excess Air Ratio, and Coal Consumption in the Supercritical 660MW Power Plant Performance using Artificial Neural Network. Journal of the Institution of Engineers (India): Series C, 2022, 103, 445-457.	1.2	2
2	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
3	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
4	Irreversibility analysis of various components in a supercritical thermal power plant. International Journal of Exergy, 2022, 37, 313.	0.4	0
5	Discomfort Experienced by Students While Attending Online Classes During the Pandemic Period. Lecture Notes in Networks and Systems, 2022, , 1787-1798.	0.7	1
6	Modeling and Simulation of Electric Motors Using Lightweight Materials. Energies, 2022, 15, 5183.	3.1	6
7	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
8	Performance of Nanoparticles in Refrigeration Systems: A Review. Journal of Nanofluids, 2022, 11, 469-486.	2.7	3
9	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
10	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
11	Thermal Mapping of a High-Speed Electric Motor Used for Traction Applications and Analysis of Various Cooling Methods—A Review. Energies, 2021, 14, 1472.	3.1	31
12	A Survey on the Effectiveness of Online Teaching—Learning Methods for University and College Students. Journal of the Institution of Engineers (India): Series B, 2021, 102, 1325-1334.	1.9	32
13	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
14	Water cooling, PSG, PCM, Cryogenic cooling strategies and thermal analysis (experimental and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 Engineering Sciences, 2021, 46, 1.	1.3	12
15	Mechanical and Metallurgical Properties of CO2 Laser Beam INCONEL 625 Welded Joints. Applied Sciences (Switzerland), 2021, 11, 7002.	2.5	10
16	Thermal and Residual Stress Distributions in Inconel 625 Butt-Welded Plates: Simulation and Experimental Validation. Advances in Materials Science and Engineering, 2021, 2021, 1-12.	1.8	4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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. <i>Annales De Chimie: Science Des Materiaux</i> , 2020, 44, 1-14.	0.4	12
20	Weld bead temperature and residual stresses evaluations in multipass dissimilar INCONEL625 and SS316L by GTAW using IR thermography and x-ray diffraction techniques. <i>Materials Research Express</i> , 2019, 6, 0965a9.	1.6	23
21	Multipass Welding On Inconel Material with Pulsed Current Gas Tungsten Arc Welding. <i>Materials Today: Proceedings</i> , 2017, 4, 1452-1458.	1.8	18
22	A Review of Mathematical Models for Performance Analysis of Hybrid Solar Photovoltaic - Thermal (PV/T) Air Heating Systems. <i>Advanced Materials Research</i> , 2013, 768, 29-39.	0.3	7
23	Properties and Performance of Eco-Friendly Hydro-Fluoro-Olefin (HFO) Refrigerant-R1234yf: Part I. <i>International Journal of Air-Conditioning and Refrigeration</i> , 0, , 2130005.	0.7	4
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	Investigation on the density of Al <sub>2</sub> O <sub>3</sub> /R1234yf, TiO <sub>2</sub> /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
26	Investigation of the Performance of a 660-MW Supercritical Boiler in Terms of NO <sub>x</sub> 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