

DEPARTMENT OF MECHATRONICS ENGINEERING

JOURNAL PUBLICATIONS

YEAR OF PUBLICATION: 2021-2022

S.No	TITLE OF THE JOURNAL	DOIs and Publications	Citation Details
1	Experimental investigations on the performance of a single slope solar still with thermal energy storage.	https://doi.org/10.1016/j.matpr.2022.12.221	0
2	Performance and quality improvement in a foundry industry using Fuzzy and MCDM and lean methods	https://doi.org/10.1007/s13369-022-06627-6	6
3	Study on sintered wick heat pipe(SWHP) with CuO Nanofluids under different orientation	https://doi.org/10.1155/2022/7158228	3
4	Effect of the phase on indentation resistance and damage characterization of Glass/Epoxy laminates using Acoustic Emission Monitoring	https://doi.org/10.1155/2021/5768730	2
5	Environmentally Conscious Manufacturing and Life Cycle Analysis: A State-of-the-Art Survey	https://doi.org/10.1155/2022/8438462	1
6	Performance analysis of peel test on fused filament fabricated polypropylene aluminum.	https://doi.org/10.1016/j.matpr.2021.05.246	3
7	Classification of EEG signals using machine learning and deep learning techniques	https://doi.org/10.53730/ijhs.v6nS1.7595	1
8	Investigation into microstructure and mechanical properties of AI 6061/SIOC _p metal matrix composite spur gear produced via powder metallurgy	https://doi.org/10.1016/j.msea.2012.01.083	40
9	Optimization and analysis of machined surface on synthesized cobalt- chromium composite	https://doi.org/10.1016/j.matpr.2022.04.354	0
10	Sun Light Tracking Solar Panel Using Arm Processor Microcontroller and LDR Sensors	ISSN: 0974-5823	0
11	Arm Processor Microcontroller Multilevel Parking Using Lab view and IR Sensor	ISSN:1006-7930	0
12	Design and Implantation of GSM and ARM Processor Microcontroller Industrial Automation Using Gas Sensor And LDR Sensors	ISSN:1006-7930	0
13	Experimental investigation of AI7075 reinforced with WC and SiC metal matrix composites	https://doi.org/10.1016/j.matpr.2021.10.239	1
14	Design and analysis of hydraulic fixure lift housing	DOI 10.1088/1742-6596/1964/7/072019	0

15	Role of tool pin profile and rotational speed on mechanical properties and micro structural behavior of friction stir welded Aa7075-T561 and Aa6061 dissimilar Alloy joints	ISSN:0011-9342	1
16	CFD analysis of rotating diffuser in a SUV For Improving Thermal comfort.	https://doi.org/10.1016/j.matpr.2021.10.482	2
17	Numerical analysis of modified tooth in spur gear for increasing the performance using fool proofing technology	https://doi.org/10.1016/j.matpr.2021.04.285	2
18	A Comparison and analysis of mechanical properties of glass fiber and banana fiber composites	https://doi.org/10.1016/j.matpr.2021.09.073	0

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1	Performance of enhancement of efficient process based pon carry –skip adder for IOT Applications.	https://doi.org/10.1016/j.micpro.2020.103101	3
2	Enhancing the security of AES through small scale confusion operations for data communication.	https://doi.org/10.1016/j.micpro.2020.103041	12
3	Surface Roughness Assessment Based on Digital Image Texture Analysis of CFRP Composites Machined by Swirling Abrasives.	Corpus ID: 224816318	1
4	Evaluation of tensile and flxural properties of foundry slag particulate polymer composite.	https://doi.org/10.1016/.mattpr.2020.04.013	
5	Subversive power cable fault credential via GSM and GPS module for green energy.	Journal of Green Engineering, Vol. 11_2, 1394-1411.	1
6	Parametric optimization of explosive welding process on nickel –titanium alloys.	https://doi.org/10.1016/mattpr.2021.04.490	
7	Investigations into microstructure and mechanical properties of AI 6061/SiCP metal matrix composite spur gear produced via powder metallurgy.	https://doi.org/10.36410/jcpr.2021.22.4.401	0
8	Gyroscopic hybrid bicycle	http://dx.doi.org/10.47392/irjash.2021.014	0
9	Design of water level regulator using arm processor microcontroller by means of sensors	https://doi.org/10.1016/j.matpr.2021.01.781	1
10	Design and implementation of DC Whizz supremacy led using arm processor by sensors	https://doi.org/10.1016/j.matpr.2021.01.787	1
11	Theoretical Analysis Of De- Inking Methodology and process Improvement initiatives in paper industry	https://doi.org/10.1016/j.matpr.2020.09.196	0
12	Design and analysis of sensor centered prostheses for handicaps	https://doi.org/10.1016/j.matpr.2020.09.303	3
13	Wear performance and mechanical properties of unidirectional sisal/ carbon / flax hybrid reinforced epoxy composites.	Doi10.1088/1757-899X/988/1/012010	4

14	Heat capacity improvement in the electric furnace through amendment of the electric circuit on melting of hard box steel	https://doi.org/10.1016/j.matpr.2020.08.364	2
15	Design and fabrication of an upright for student formula car	https://www.journals.resaim.com/ijresm/article/view/262 ISSN (Online): 2581-5792	0

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JOURNAL PUBLICATIONS

YEAR OF PUBLICATION: 2019-2020

Sl.No	TITLE OF THE JOURNAL	DOIs and Publications	Citation Details
1	Performance analysis of abrasive water jet cutting process in carbon fiber epoxy polymer composite	doi:10.1088/1757-99X/574/1/012014	7