

Department of Mechanical Engineering

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Sl. No.	Authors Name (As in the journal)	Title of the Paper	Journal Name	Volume No / Issue No/ Pg. No	Date of Publication	DOI	ISSN/ISBN	Indexing	Link to the journal	Link to the journal paper	Citation
1	Rohith S Ravi Kumar S Md. Nadeem M, Chethan S Hemanth B R	Design and Fabrication of Fixture for Internal Grinding CNC Machine	Grenze International Journal of Engineering & Technology (GIJET)	Volume 9 Issue 1 Page No: 763-769	Jan-23	NA	2395-5295	CROSS REF	http://thegrenze.com/index.php?display=page&view=abstract&absid=1462&id=8	http://thegrenze.com/index.php?display=page&view=journalabstract&absid=1462&id=8	
2	K. C., Mohanakumara V. S. Niranjan Kumar M. R. Devaraj Raghu	Performance Analysis of Multi Axis Solar Tracker using Ardiuno-Uno based Micro- Controller.	Grenze International Journal of Engineering & Technology (GIJET)	Volume 9 Issue 1 Page No: 740-745	Jan-23	NA	2395-5295	CROSS REF	http://thegrenze.com/index.php?display=page&view=abstract&absid=1460&id=8	http://thegrenze.com/index.php?display=page&view=journalabstract&absid=1460&id=8	
3	Naveen Chandra Joshi, Sanjay Upadhyay, Niraj Kumar, Chetana S and Ashima Juyal	Synthesis and photocatalytic activity of highly efficient NiFe ₂ O ₄ /r- GO based photocatalyst	Journal of Dispersion Science and Technology	NA	Feb-23	doi.org/10.1080/01932691.2023.2178455	1532-2351	Scopus	https://www.tandfonline.com/doi/epdf/10.1080/01932691.2023.2178455?needAccess=true&role=button	https://www.tandfonline.com/doi/epdf/10.1080/01932691.2023.2178455?needAccess=true&role=button	
4	Niraj Kumar, Sanjay Upadhyay, S. Chetana, Naveen Chandra Joshi, Neeraj Priyadarshi, Ismail Hossain, Rameshbabu,Arijit Sen	Hydrothermal growth of 1D VO ₂ for oxygen evolution reaction	Materials Letters	Volume 335	15 March 2023	doi.org/10.1016/j.matlet.2022.133810	1873-4979	Scopus	https://www.sciencedirect.com/journal/materials-letters	https://www.sciencedirect.com/science/article/abs/pii/S0167577X22021656?via%3Dihub	

5	Naveen Chandra Joshi, Prateek Gururani, S. Chetana & Niraj Kumar	Synthesis and Electrochemical Properties of Silver Incorporated Biochar Nanocomposites	Journal of Inorganic and Organometallic Polymers and Materials	Volume 95	04 April 2023	doi.org/10.1007/s10904-023-02631-x	1574-1451	Scopus	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-023-02631-x	
6	Niraj Kumar, Ashima Juyal, V. Gajraj, Sanjay Upadhyay, Neeraj Priyadarshi, S. Chetana, Naveen Chandra Joshi, Arijit Sen	Facile synthesis of fine 1D VO ₂ and its supercapacitance as a binder free electrode	Inorganic Chemistry Communications	Volume 150	24 April 2023	doi.10.1016/j.inoche.2023.110439	1879-0259	Scopus	https://www.sciencedirect.com/journal/inorganic-chemistry-communications	https://www.sciencedirect.com/science/article/abs/pii/S1387700323000515?via%3Dihub	
7	Amulya Giridasappa, M. Ismail Shareef, S. M. Gopinath, Dinesh Rangappa, Prasanna Doddakunche Shivaramu & Chetana Sabbanahalli	Synthesis, Antioxidant, Bactericidal and Antihemolytic Activity of Al ₂ O ₃ and SnO ₂ Nanoparticles	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences	Volume 50	10 May 2023	doi.org/10.1007/s40011-023-01444-9	2250-1746	Scopus	https://www.springer.com/journal/40011	https://link.springer.com/article/10.1007/s40011-023-01444-9	
8	Sanjay Upadhyay, Niraj Kumar, Nikhil Tanwar, Ruby Priya, S. Chetana, Naveen Chandra Joshi, Ismail Hossain & O. P. Pandey	Hydrothermal synthesis of nickel oxide nanoflowers as a blend of 1D and 2D morphologies for its improved OER activity and supercapacitance	Journal of Materials Science: Materials in Electronics	Volume 34	May-23	doi.org/10.1007/s10854-023-10662-w	1573-482X	Scopus	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-023-10662-w	

9	Ravikumar S, Chethan S, Mohan Das A N, Haseebuddin M R, Hemaraju, Mohammed Nadeem M	Development of Portable 3-Axis Deployed Laser Cutting Machine	Tuijin Jishu/Journal of Propulsion Technology	Vol. 44 No. 5 (2023)	Nov-23	https://doi.org/10.52783/tjpt.v44.i5.2757		Scopus	www.propulsiontechjournal.com	https://www.propulsiontechjournal.com/index.php/journal/article/view/2757/1896	
10	M. Praveen Kumar, Sarika Raga, S. Chetana, K. Avinash, Arjun Dey, Dinesh Rangappa	PVB-PEDOT:PSS- Ti3C2Tx MXene Nanocomposite With Materials Data- Driven Discovery	Transactions on Electrical and Electronic Materials	Volume 24	May-23	https://doi.org/10.1007/s42341-023-00439-7	1229-7607	Scopus	https://link.springer.com/article/10.1007/s42341-023-00439-7#citeas	https://link.springer.com/article/10.1007/s42341-023-00439-7#citeas	
11	S. Chetana, Vikas N. Thakur, Niraj Kumar, Naveen Chandra Joshi, Sanjay Upadhyay, Kunal Roy, K. G. Basava Kumar, Dinesh Rangappa	Electrochemical investigation of silk G/MoS2/PDOT: PSS synthesized using supercritical fluid approach	Journal of Materials Science: Materials in Electronics	Volume 34	Sep-23	https://doi.org/10.1007/s10854-023-11267-z	0957-4522.	Scopus	Electrochemical investigation of silk G/MoS2/ PDOT: PSS synthesized using supercritical fluid approach	Electrochemical investigation of silk G/MoS2/PDOT: PSS synthesized using supercritical fluid approach	
12	M. Praveen Kumar, Sarika Raga, S. Chetana, K. Avinash, Arjun Dey & Dinesh Rangappa	Evaluation of Strong Microwave Absorption Property of PVB- PEDOT:PSS- Ti3C2Tx MXene Nanocomposite With Materials Data- Driven Discovery	Transactions on Electrical and Electronic Materials	Volume 24	Aug-23	https://doi.org/10.1007/s42341-023-00439-7	2092-7592	Scopus	https://link.springer.com/article/10.1007/s42341-023-00439-7#citeas	https://link.springer.com/article/10.1007/s42341-023-00439-7#citeas	

13	S. Chethan B. R. Hemanth Hemaraju M. Jayashree Santhosh Kumar	Experimental Analysis on the Impact Behaviour of Graphite-Filled Glass Fibre Reinforced Epoxy Composites Subjected to Sea Water Ageing and Notch Depth	Journal of The Institution of Engineers (India): Series D		Aug-24	https://doi.org/10.1007/s40033-023-00529-z	2250-2130 2250-2122	Scopus	https://www.springer.com/journal/40033	Experimental Analysis on the Impact Behaviour of Graphite-Filled Glass Fibre Reinforced Epoxy Composites Subjected to Sea Water Ageing and Notch Depth SpringerLink	
14	AN Mohan Das, MR Haseebuddin, N Shreyas, HK Shivanand, S Chethan	Effect of Split and Re-Entrant Type Piston Bowl Geometry and Preheated Calophyllum Inophyllum Methyl Ester on the Conventional CI Engine Performance	Journal of The Institution of Engineers (India): Series D		Oct-24	https://doi.org/10.1007/s40033-023-00571-x	2250-2130 2250-2122	Scopus	https://www.springer.com/journal/40033	https://link.springer.com/article/10.1007/s40033-023-00571-x	
15	Chetana S , Muhammad Amirul Aizat Mohd Abdah, Vikas N Thakur, Priyvar Choudhary, M.S Govindegowda, Jagadeesh Babu Sriramoju, Dinesh Rangappa, Sarvesh Rustagi, Sumira Malik and Mohammad Khalid	Progress and Prospects of MXene-Based Hybrid Composites for Next-Generation Energy Technology	The Electrochemical Society	Volume 64	Nov-23	DOI 10.1149/1945-7111/ad0c64	1945-7111	Scopus	https://iopscience.iop.org/article/10.1149/1945-7111/ad0c64/meta	https://iopscience.iop.org/article/10.1149/1945-7111/ad0c64/meta	

16	Niraj Kumar M. N. M. Ansari, Sanjay Upadhyay, Vikash Gajraj, Chetana S., Naveen Chandra Joshi, Sirajuddin Sikiru, Arijit Sen.	Blending of a 3D cloud-like morphology with a 1D structure in a VO ₂ /MXene nanocomposite to enhance the charge storage capability	Journal of Materials Chemistry C	Volume 30	Nov-23	DOI.org/10.1039/ D3TC02738D	2050-7534	Scopus	https://pubs.rsc.org/en/content/articlelanding/2023/tc/d3tc02738d/unauth	
17	Chethan G R, Govinde Gowda M S, Lavakumar K S, Ananda G K	An Experimental Examination into the Efficiency of a Shell-and-Tube Heat Exchanger for an EGR Cooler	Tuijin Jishu/Journal of Propulsion Technology	Vol. 44 No. 5	Jul-05	https://doi.org/10.52783/tjpt.v44.i5.2514	1001-4055	Scopus	https://propulsiontechjournal.com/index.php/journal/index	
18	Lavakumar K S, Govinde Gowda M S, Chethan G R, Ananda G K	Optimization Design and Simulation Approach of an Axial Inward Flow Reaction Turbine Incorporating with Organic Rankine Cycle	Tuijin Jishu/Journal of Propulsion Technology	Vol. 44 No. 5	Jul-05	https://doi.org/10.52783/tjpt.v44.i5.2515	1001-4055	Scopus	https://propulsiontechjournal.com/index.php/journal/index	

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