



BHARAT

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Research Paper Published in Journals during the AY 2023-2024

Sl. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number
1	The Effect of Hydrothermal Reaction Time on the Antibacterial Activity of Synthesized Manganese Oxide Nanoparticles	I. Sophia Rani	H&S	Journal of Environmental Nanotechnology	2023-2024	2279-0748
2	Intrusion Detection System Using Hybrid Convolutional Neural Network	Papiya Dutta	ECE	Mobile Networks and Applications	2023-2024	1383-469X
3	Development of graphitic-N-based carbon dots using solid-state synthesis for fingerprinting, LEDs, and anticounterfeiting	Rinki Kumari	CHEMISTRY	New Journal of Chemistry	2023-2024	1144-0546
4	AQI prediction using layer recurrent neural network model: a new approach	Shadab Ahmad	CIVIL	Environmental Monitoring and Assessment	2023-2024	1573-2959
5	Statistical Design Approach for Optimizing the Spectrofluorimetric Method for Quantifying Trazodone Hydrochloride	Shahroora Sameen	Chemistry	Journal of Analytical Chemistry	2023-2024	1061-9348

6	An Intelligent Big Data Security Framework Based on AEFS-KENN Algorithms for the Detection of Cyber-Attacks from Smart Grid Systems	Pasupuleti Rama Mohan	EEE	Big Data Mining and Analytics	2023-2024	2096-0654
7	A Soft-Switched High-Gain Interleaved DC–DC Converter with Coupled Inductors for Renewable Energy Systems	D. V. Sudarsan Reddy	EEE	Iranian Journal of Science and Technology, Transactions of	2023-2024	2228-6179
8	An optimal secure defense mechanism for DDoS attack in IoT network using feature optimization and intrusion detection system	Prasath, J.S.	IT	Journal of Intelligent & Fuzzy Systems	2023-2024	1064-1246
9	Generation of an optical 8-amplitude phase shift keyingmodulator using silicon microrings in add-drop confi guration	Satyabrata Singha	ECE	Optical Engineering	2023-2024	0091-3286
10	A network intrusion detection framework on sparse deep denoising auto-encoder for dimensionality reduction	Kadiri Thirupal Reddy	CSE	Soft Computing	2023-2024	1432-7643
11	Advancing microgrid power quality: integration of GRU-based control in PV-UPQC systems	Sridhar Gaddam	EEE	Electrical Engineering	2023-2024	0948-7921
12	High-Performance Single Switch High Step-Up Quadratic DC-DC Converter With Switched Capacitor Cell	D. V. Sudarsan Reddy	EEE	IEEE ACCESS	2023-2024	2169-3536
13	Damping properties of magnesium surface layers developed byfriction stir processing	Guttikonda Manohar	MECH	Advances in Materials and Processing Technologies	2023-2024	2374-0698
14	Security and energy effi cient cyber-physical systems using predictive modeling approaches in wireless sensor network	Papiya Dutta	ECE	Wireless Networks	2023-2024	1022-0038

15	Exploring the fascinating world of combinational photonic devices: A review	Haripriya Noonepalle	ECE	Optik	2023-2024	0030-4026
16	Realization of 2-bit multiplier based on Vedic mathematics using electro-absorption microring modulator	Satyabrata Singha	ECE	SPIE digital library	2023-2024	1560-2303
17	Epitaxial Growth of FCC Metals on the (100), (110), and (211) NaCl Surfaces	Nilabh Dish	MECH	Metallurgical and Materials Transactions B	2023-2024	1073-5615
18	Ultra-high-speed all-optical half subtractor for optical signal processing	Noonepalle HariPriya	ECE	Photonic Network Communications	2023-2024	1387-974X
19	An Efficient and Secured Voting System using Blockchain and Hybrid Validation Technique with Deep Learning	Papiya Dutta	ECE	Peer to Peer Networking and Applications	2023-2024	1936-6450
20	Experimental Characterization of Fabricated (310) and (210) Symmetrical Tilt High-Angle Grain Boundaries in Bicrystalline Copper Thin Films Using NaCl Substrates	Nilabh Dish	MECH	SAE International	2023-2024	2688-3627


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