

Journal Publications Details

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	Vol No, Issue No & pp	Year and Month of Publication	Category Q1/Q2/Q3/Q4	UGC Care list/Scopus/Web of Science/other
2023-24							
1.	Enhanced Perturb and Observe Control Algorithm for a Standalone Domestic Renewable Energy System	N Kanagaraj, Obaid Martha Aldosary, M Ramasamy, M Vijayakumar	Intelligent Automation & Soft Computing	vol 37, no. 2 pp. 2291-2306	July 2023	Q3	Web of Science
2.	Energy Management and Power Quality Improvement of Hybrid Renewable Energy Generation System Using Coordinated Control Scheme	N. Kanagaraj, M. Vijayakumar, M. Ramasamy and O. Aldosari,	IEEE Access	vol. 11, pp. 93254-93267 doi: 10.1109/ACCESS.2023.3299035.	July 2023	Q1	Web of Science
3.	Design and implementation of modified Multilevel inverter fed BLDC motor For electric vehicle application	Murugesan Manivel, Lakshmi Kaliappan	Comptes rendus de l'Académie bulgare des Sciences	vol.76, no 10, pp.1562-1571	November 2023	Q3	Web of Science
4.	Switched Capacitor-Based Bidirectional Power Converter with Enhanced Voltage Boost and Reduced Switching Strain for Electric Vehicle Applications	G Hari Krishnan, B V Sai Thrinath, G. Karthikeyan, V. Ravi, and E. Parimalasundar	International Journal of Electrical and Electronics Research	Vol. 11, No.4 pp. 904-908	November 2023	-	Scopus
5.	Experimentation of Multi-Input Single-Output Z-Source Isolated DC-DC Converter-Fed Grid-Connected Inverter with Sliding Mode Controller	N., Kanagaraj, Ramasamy M., Vijayakumar M., and Obaid Aldosari	Sustainability	vol.15, no. 24, pp. 16875. https://doi.org/10.3390/su152416875	December 2023	Q1	Web of Science

6.	Virtual Power Plant for Optimizing Power Flow in Large Scale Distributed Networks	V. V. Rajasegharan, P. Veena, S. Ramesh & G. Karthikeyan	Electric Power Components and Systems	DOI: 10.1080/15325008.2023.2281627	December 2023	Q3	Web of Science
7.	Photovoltaic-Based q-ZSI STATCOM with MDNESOGI Control Scheme for Mitigation of Harmonics	N., Kanagaraj, Vijayakumar M Ramasamy M., and Obaid Aldosari	Energies	vol.17, no. 2, pp. 534. https://doi.org/10.3390/en17020534	January 2024	Q1	Web of Science
8.	Harmonic Elimination Using Grid Integrated Hybrid Renewable Energy System with Optimized Control for Nano Scale Based 31-Level MLI	T. Bharani Prakash and R. Sankar Ganesh	Electric Power Components and Systems	https://doi.org/10.1080/15325008.2024.2331003	March 2024	Q3	Web of Science
9.	Jellyfish Search Optimized Gated Recurrent Unit Based FOPID/PID for Enhanced Automatic Voltage Regulator	Vani E., Ilambirai R. C., Ganga M. & Jasmine Gnanamalar	Electric Power Components and Systems	https://doi.org/10.1080/15325008.2024.2322004	April 2024	Q3	Web of Science
10.	Interval Type 2 Fuzzy PI Enhanced State Space Model for Battery Management in Battery Electric Utility Vehicles Operating in Indoor Logistics Environment	Arun Kumar R, Sankar Ganesh R	Bulletin of The Polish Academy of Sciences Technical Sciences	DOI: 10.24425/bpasts.2024.150330	June 2024	Q3	Web of Science
11.	Enhancing electric vehicle performance through buck-boost converters with renewable energy integration using hybrid approach	Sakthivel A, Ramesh S, Das RM, Josh FT, Kumar UA, Mohan BS	Optimal control applications and methods	pp. 1-22. doi: 10.1002/oca.3153	June 2024	Q2	Web of Science
12.	Impacts of Laminating Core Materials on Permanent Magnet Synchronous Motor by Newton-Raphson Method	Prabhu Sundaramoorthy, Arun Vijayakumar, Kuppapillai Rajkumar, Jamuna Ponnusamy, Gokul handrasekaran and Vijayakumar Madhaiyan	IEEE Canadian Journal of Electrical and Computer Engineering	Vol. 47, No. 2, Spring 2024, pp. 105-110	June 2024	Q2	Web of Science
13.	Reinforcing smart grid integrity: an enhanced cybersecurity framework for plug-in hybrid electric vehicles	R. Arun Kumar R. Sankar Ganesh	Electrical Engineering	https://doi.org/10.1007/s	May 2024	Q2	Web of Science

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14.	A Methodology for Elliptic Curve Cryptography-Based Digital Signature Scheme: A System with Enhanced Security	S. Senthil Kumar, Dr. K. Poongothai, M. K. Nivodhini, Dr. S. Nithyakalyani	International Journal of Intelligent Systems and Applications in Engineering	Vol.12, No.21s, pp. 4151-4154	March 2024	-	Scopus
15.	PV Wind Battery Based DC Microgrid with Neural Network MPPT	E. Vani P. Balakrishnan Gopinath Singaram S. Senthil Kumar	Journal of Electrical Systems	Vol. 20, No.5s, pp.430-437	May 2024	-	Scopus
16.	Machine Learning Algorithms for Performance Enhancement in DCO-OFDM-Based LiFi Systems	S. Senthil Kumar Yuvaraja Thangavel L. Raja, E. Kannan	Journal of Electrical Systems	Vol. 20, No.5s, pp.423-429	May 2024	-	Scopus
17.	Enhanced Speed Control Of BLDC Motor Using Dwarf Mongoose Optimizer	Dr.M. Vijayakumar, K. Rajeshwari, R. Raju, R. Kumar	International Journal of Innovative Research in Technology	Vol. 10, No. 12, pp. 1484- 1488	May 2024	-	Google Scholar
18.	Optimal design method of power factor correction for improving efficiency using interleaved boost converter	B.Yuvarani, G.Vaideki, B.Thamaraiselvan, C.Kavitha	International Journal of Innovative Research in Technology	Vol. 10, No. 12, pp. 697- 701	May 2024	-	Google Scholar