KPR Institute of Engineering and Technology

Department of Electrical and Electronics Engineering

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Publications details

S.No	Author Name	Title of the Paper	Name of the Journal / Conference	Volume No, Issue No Month & Year	Indexing	Online Link of the paper
1.	K. Mohana Sundaram	Adaptive Controller for Bridgeless New SEPIC Integrated Landsman Converter for PFC in Induction Motor	Electric Power Components and Systems	51,19,Jul 2023	SCIE	https://www.tandfonline.com/doi/full/10.1080/15325008.2023.2228786?scroll=top&needAccess=true&role=tab
2.	P. Pandiyan	Technological advancements toward smart energy management in smart cities	Energy Reports	10,648-677, Jul 2023	SCIE	https://www.sciencedirect.com/science/article/pii/S2352484723010995
3.	A. Karthick	Partial Discharge based Recognition of Water Droplets Location in High Voltage Insulator using Convolutional Neural Network–Bacterial Foraging Algorithm based Optimized Machine	Measurement	221113527, Sep 2023	SCIE	https://www.sciencedirect.com/science/article/pii/S0263224123010916
4.	C. Dinesh	Detection of Diabetes through Microarray Genes with Enhancement of Classifiers Performance	Diagnostics	13(16), 2654, Aug 2023	SCIE	https://www.mdpi.com/2075-4418/13/16/2654

5.	K. Mohanasundaram	Multiple Sensor based Human Detection Robots: A Review	International Journal on Smart Sensing and Intelligent Systems	16,1,Jan 2023	Scopus	https://reference-global.com/article/10.2478/ijssis-2023-0009
6.	A. Karthick	Experimental Analysis and Optimization of Abrasive Waterjet Deep Hole Drilling Process Parameters for SS AISI 316L	Journal of Materials Research and Technology	26, Sep 2023	SCIE	https://www.sciencedirect.com/science/article/pii/S2238785423021701
7.	V S .Chandrika	Performance Analysis of a Seven-Level Multilevel Inverter in Grid-Connected Systems	SSRG International Journal of Electronics and Communication Engineering	10,16, 9-22, Sep 2023	Scopus	https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=507
8.	A. Karthick	Short-Term Forecasting of Electric Vehicle Load Using Time Series, Machine Learning, and Deep Learning Techniques	World Electric Vehicle journal	Vol 14, I 9, B 1-E 17, Sep 2023	WoS	https://link.springer.com/article/10.1007/s11042-023-16347-0
9.	A. Karthick	Review of Challenges and Opportunities in the Integration of Electric Vehicles to the Grid	World Electric Vehicle journal	Vol 14, I 9, B 1-E 20, Sep 2023	WoS	https://www.mdpi.com/2032-6653/14/9/259
10.	P. Ravi Kumar	Education Physiology Influence of Teacher Innovative Behaviour on Studentsâ€™ Academic Self-Efficacy and Intrinsic Goal Orientation	Journal for ReAttach Therapy and Developmental Diversities	6, Sep 2023		https://www.jrtdd.com/index.php/journal/article/view/1337
11.	D.Sathish Kumar	Optimal scheduling algorithm for residential building distributed energy source systems using Levy flight and chaos-assisted artificial rabbits optimizer	Energy Reports	9 & 5721-5740, Dec 2023	SCI	https://doi.org/10.1016/j.egyr.2023.05.004

12.	K. Mohanasundaram	Performance analysis on single slope solar still with absorber coated using iron oxide nanoparticles at different water thickness	Solar Energy	264, Oct 2023	SCI	https://www.sciencedirect.com/science/article/abs/pii/S0038092X2300717X
13.	R.Seshu Kumar	An effective energy management system for intensified grid-connected microgrids	Energy Strategy Reviews	Vol 50, I , B 1-E 15, Oct 2023	SCI	https://www.sciencedirect.com/science/article/pii/S2211467X23001724
14.	C.Dinesh	Enhancement of Classifier Performance Using Swarm Intelligence in Detection of Diabetes from Pancreatic Microarray Gene Data	Biomimetics	Vol 8, I 6, B 1-E 40, Oct 2023	SCI	https://www.mdpi.com/2313-7673/8/6/503
15.	G.Saravanan C.Pazhanimuthu	Performance analysis of voltage profile improvement in AVR system using zebra optimization algorithms based on PID controller	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Vol 6, I , B 1-E 11, Dec 2023	Scopus	https://www.sciencedirect.com/science/article/pii/S2772671123002759
16.	C.Pazhanimuthu	Unit vector template control strategy-based harmonic mitigation and charging with three phase–three level–three switch Vienna rectifier for Level 3 electric vehicle charging applications	International Journal of Circuit Theory and Applications, Vol , I , B -E	Dec 2023	SCI	https://onlinelibrary.wiley.com/doi/abs/10.1002/cta.3904
17.	A. Karthick	Photovoltaic-wind-battery and diesel generator-based hybrid energy system for residential buildings in smart city Coimbatore	Environmental Science and Pollution Research	Jan 2024	SCI	https://link.springer.com/article/10.1007/s11356-024-32071-0

18.	A. Karthick	Economic and life cycle cost analysis of building-integrated photovoltaic system for composite climatic conditions	Environmental Science and Pollution Research	Jan 2024	SCI	https://link.springer.com/article/10.1007/s11356-023-31781-1
19.	A. Karthick	A Mathematical Model for Investigation of Dry band location on 22kV Bushing with and without RTV coating: Experimental Study	MethodsX	Jan 2024	SCI	https://www.sciencedirect.com/science/article/pii/S2215016124000335
20.	K. Mohanasundaram	Multistage Cascaded H-Bridge Inverter Based Booster Circuit for Hybrid Power Applications	Electric Power Components and Systems	Jan 2024	SCI	https://www.tandfonline.com/doi/full/10.1080/15325008.2023.2246485
21.	R. Revathi	Hybrid optimization approach for power scheduling with PV-battery system in smart grids	Energy	290, Jan 2024	SCI	https://www.sciencedirect.com/science/article/abs/pii/S036054422303445X
22.	A. Karthick	Experimental study, modeling, and parametric optimization on abrasive waterjet drilling of YSZ-coated Inconel 718 superalloy	Journal of Materials Research and Technology	21, Mar 2024	SCI	https://www.sciencedirect.com/science/article/pii/S2238785424004277
23.	V Parimala	Solar energy-driven water distillation with nanoparticle integration for enhanced efficiency, sustainability, and potable water production in arid regions	The scientific temper	Vol. 15 (1): 76-83, Mar 2024	Scopus	https://scientifictemper.com/index.php/tst/article/view/1122
24.	VS Chandrika	A Five Level SC Inverter with Reduced Switch Count and Self Balancing Capability	El-Cezeri Journal of Science and Engineering	Vol 10, I 3, B 517-E 525, Sep 2023	Scopus	https://dergipark.org.tr/en/download/article-file/3004206

25.	G.Saravanan C.Pazhanimuthu	Artificial rabbits optimization algorithm based tuning of PID controller parameters for improving voltage profile in AVR system using IoT	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Vol , I , B 1-E 26, Jun 2024	Scopus	https://www.sciencedirect.com/science/article/pii/S2772671124001050
26.	A.Karthick	A comprehensive review on reliability and degradation of PV modules based on failure modes and effect analysis	International Journal of Low Carbon Technologies	Vol 19, I , B 922-E 937, May 2024	SCI	https://academic.oup.com/ijlct/article/doi/10.1093/ijlct/ctad106/7642414
27.	P.Pandiyan	A comprehensive review of advancements in green IoT for smart grids: Paving the path to sustainability	Energy Reports	Vol 11, I , B 5504-E 5531, May2024	SCI	https://www.sciencedirect.com/science/article/pii/S2352484724002981
28.	P. Ravi Kumar	Machine Learning Based Power Quality Enhancement System for Renewable Energy Sources	International Journal of intelligent systems and application in Engineering	12(18s), 249–258	Scopus	https://ijisae.org/index.php/IJISAE/article/view/6169/4958
29.	V. Parimala	Intelligent Management of Electric Vehicle Charging and Optimizing the Operation of the Electric Power System	International Journal of Vehicle Structures & Systems	16(2), 177-185, Jun 2024	Scopus	https://yanthrika.com/eja/index.php/ijvss/article/view/2936

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