

Rt Naayagi

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

491
citations

1464605

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32
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501
citing authors

#	ARTICLE	IF	CITATIONS
1	A Dual-Source Self-Balanced Switched-Capacitor Reduced Switch Multilevel Inverter With Extending Ability. IEEE Access, 2022, 10, 61441-61450.	2.6	6
2	An Ultra-Fast Master-Slave ADALINE for Hybrid Active Power Filter including Photovoltaic System. , 2021, , .		0
3	Development and Implementation of an Adaptive Overcurrent Protection Algorithm for a Modern Power Distribution Network. , 2021, , .		3
4	Impedance Source Inverter Wind Turbine and DC Collection System: Fault Ride-Through Analysis. , 2021, , .		0
5	Adaptive Protection for Microgrid with Distributed Energy Resources. Electronics (Switzerland), 2020, 9, 1959.	1.8	14
6	A Novel Self-Powered Dynamic System Using a Quasi-Z-Source Inverter-Based Piezoelectric Vibration Energy Harvester. Electronics (Switzerland), 2020, 9, 265.	1.8	0
7	Design and Control of a DC Collection System for Modular-Based Direct Electromechanical Drive Turbines in High Voltage Direct Current Transmission. Electronics (Switzerland), 2020, 9, 493.	1.8	2
8	A High-Speed Master-Slave ADALINE for Accurate Power System Harmonic and Inter-Harmonic Estimation. IEEE Access, 2020, 8, 51918-51932.	2.6	19
9	Modelling and Integration of a Piezoelectric Cantilever Beam with Quasi-Z-Source Inverter for Self-Powered Dynamic System Application. , 2020, , .		0
10	Design and Control of Unidirectional DCâ€“DC Modular Multilevel Converter for Offshore DC Collection Point: Theoretical Analysis and Experimental Validation. IEEE Transactions on Power Electronics, 2019, 34, 5191-5208.	5.4	27
11	Nanogrid for Energy Aware Buildings. , 2019, , .		8
12	Recently Developed Reduced Switch Multilevel Inverter for Renewable Energy Integration and Drives Application: Topologies, Comprehensive Analysis and Comparative Evaluation. IEEE Access, 2019, 7, 54888-54909.	2.6	231
13	Gateâ€“Emitter Pre-threshold Voltage as a Health-Sensitive Parameter for IGBT Chip Failure Monitoring in High-Voltage Multichip IGBT Power Modules. IEEE Transactions on Power Electronics, 2019, 34, 9158-9169.	5.4	49
14	Apprehending Fault Crises for an Autogenous Nanogrid System: Sustainable Buildings. IEEE Systems Journal, 2019, 13, 3254-3265.	2.9	2
15	Prethreshold Voltage as a Low-Component Count Temperature Sensitive Electrical Parameter Without Self-Heating. IEEE Transactions on Power Electronics, 2018, 33, 2787-2791.	5.4	37
16	Questionnaire-Based Discussion of Finite Element Multiphysics Simulation Software in Power Electronics. IEEE Transactions on Power Electronics, 2018, 33, 7010-7020.	5.4	17
17	High-Performance CLL Resonant Multi-Channel LED Driver for Lighting Application. , 2018, , .		2
18	Modelling, simulation and experimentation of grid tied inverter for wind energy conversion systems. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	A novel modular multilevel step-up DC/DC converter for offshore systems. , 2017, , .		4
20	Islanding detection of distributed generation in presence of fault events. , 2017, , .		8
21	Self-healing network instigated by distributed energy resources. , 2017, , .		3
22	CFD analysis of tidal turbine blades. , 2017, , .		0
23	Gender Inequality: Women Perception Towards Engineering and Technology for Sustainable Future. , 2017, , .		0
24	Hybridization of Genetic Algorithm and Priority List to solve Economic Dispatch problems. , 2016, , .		3
25	Integration of battery energy storage using single phase inverter for intermittency mitigation. , 2016, , .		2
26	Thermoelectric energy harvesting for mobile phone charging application. , 2016, , .		12
27	Impedance source converter for grid-connected Photovoltaic applications. , 2016, , .		6
28	Modelling and simulation of Multilevel Inverter for grid connected Photovoltaic system. , 2016, , .		3
29	Modelling and implementation of single phase dual stage grid-tied solar power inverter. , 2016, , .		5
30	Accelerated Lambda Iteration Method for solving economic dispatch with transmission line losses management. , 2016, , .		10
31	Design and implementation of a multi-output inductive charger for electric vehicles. , 2016, , .		5
32	Selection of power semiconductor devices for the DAB DC-DC converter for aerospace applications. , 2015, , .		8