

Rt Naayagi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6434213/publications.pdf>

Version: 2024-02-01

32
papers

491
citations

1307594

7
h-index

1372567

10
g-index

32
all docs

32
docs citations

32
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.2	231
2	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.	7.9	49
3	Prethreshold Voltage as a Low-Component Count Temperature Sensitive Electrical Parameter Without Self-Heating. IEEE Transactions on Power Electronics, 2018, 33, 2787-2791.	7.9	37
4	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.	7.9	27
5	A High-Speed Master-Slave ADALINE for Accurate Power System Harmonic and Inter-Harmonic Estimation. IEEE Access, 2020, 8, 51918-51932.	4.2	19
6	Questionnaire-Based Discussion of Finite Element Multiphysics Simulation Software in Power Electronics. IEEE Transactions on Power Electronics, 2018, 33, 7010-7020.	7.9	17
7	Adaptive Protection for Microgrid with Distributed Energy Resources. Electronics (Switzerland), 2020, 9, 1959.	3.1	14
8	Thermoelectric energy harvesting for mobile phone charging application. , 2016, , .		12
9	Accelerated Lambda Iteration Method for solving economic dispatch with transmission line losses management. , 2016, , .		10
10	Selection of power semiconductor devices for the DAB DC-DC converter for aerospace applications. , 2015, , .		8
11	Islanding detection of distributed generation in presence of fault events. , 2017, , .		8
12	Nanogrid for Energy Aware Buildings. , 2019, , .		8
13	Impedance source converter for grid-connected Photovoltaic applications. , 2016, , .		6
14	A Dual-Source Self-Balanced Switched-Capacitor Reduced Switch Multilevel Inverter With Extending Ability. IEEE Access, 2022, 10, 61441-61450.	4.2	6
15	Modelling and implementation of single phase dual stage grid-tied solar power inverter. , 2016, , .		5
16	Design and implementation of a multi-output inductive charger for electric vehicles. , 2016, , .		5
17	Modelling, simulation and experimentation of grid tied inverter for wind energy conversion systems. , 2017, , .		5
18	A novel modular multilevel step-up DC/DC converter for offshore systems. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Hybridization of Genetic Algorithm and Priority List to solve Economic Dispatch problems. , 2016, , .		3
20	Modelling and simulation of Multilevel Inverter for grid connected Photovoltaic system. , 2016, , .		3
21	Self-healing network instigated by distributed energy resources. , 2017, , .		3
22	Development and Implementation of an Adaptive Overcurrent Protection Algorithm for a Modern Power Distribution Network. , 2021, , .		3
23	Integration of battery energy storage using single phase inverter for intermittency mitigation. , 2016, , .		2
24	High-Performance CLL Resonant Multi-Channel LED Driver for Lighting Application. , 2018, , .		2
25	Apprehending Fault Crises for an Autogenous Nanogrid System: Sustainable Buildings. IEEE Systems Journal, 2019, 13, 3254-3265.	4.6	2
26	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.	3.1	2
27	CFD analysis of tidal turbine blades. , 2017, , .		0
28	A Novel Self-Powered Dynamic System Using a Quasi-Z-Source Inverter-Based Piezoelectric Vibration Energy Harvester. Electronics (Switzerland), 2020, 9, 265.	3.1	0
29	An Ultra-Fast Master-Slave ADALINE for Hybrid Active Power Filter including Photovoltaic System. , 2021, , .		0
30	Impedance Source Inverter Wind Turbine and DC Collection System: Fault Ride-Through Analysis. , 2021, , .		0
31	Gender Inequality: Women Perception Towards Engineering and Technology for Sustainable Future. , 2017, , .		0
32	Modelling and Integration of a Piezoelectric Cantilever Beam with Quasi-Z-Source Inverter for Self-Powered Dynamic System Application. , 2020, , .		0