

Jinia Roy

List of Publications by Year in descending order

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23
papers

360
citations

1478505

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23
all docs

23
docs citations

23
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Discontinuous Conduction Mode Analysis of High Gain Extended-Duty-Ratio Boost Converter. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 372-387.	6.8	12
2	Optimal Variable Switching Frequency Scheme to Reduce Loss of Single-Phase Grid-Connected Inverter With Unipolar and Bipolar PWM. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1013-1026.	5.4	22
3	A Single Stage Common Ground Three-Level PV Inverter With Integrated Power Decoupling. IEEE Open Journal of Power Electronics, 2020, 1, 227-237.	5.7	5
4	GaN-based split phase transformerless PV inverter with auxiliary ZVT circuit. IET Power Electronics, 2020, 13, 525-534.	2.1	3
5	Impacts of Experimentally Obtained Harmonic Spectrums of Residential Appliances on Distribution Feeder. , 2020, , .		2
6	LCOE Design Optimization Using Genetic Algorithm with Improved Component Models for Medium-Voltage Transformerless PV Inverters. , 2020, , .		2
7	High Step-Up Transformerless Inverter for AC Module Applications With Active Power Decoupling. IEEE Transactions on Industrial Electronics, 2019, 66, 3891-3901.	7.9	40
8	Study of Voltage-Dependent Harmonic Characteristics of Residential Appliances. , 2019, , .		5
9	Highly Reliable Multi-Port Smart Inverter Modules for PV-Based Energy Systems. , 2019, , .		2
10	Half-Bridge Voltage Swing Inverter With Active Power Decoupling for Single-Phase PV Systems Supporting Wide Power Factor Range. IEEE Transactions on Power Electronics, 2019, 34, 7450-7461.	7.9	27
11	Performance evaluation of single-phase transformer-less PV inverter topologies. , 2018, , .		10
12	GaN based transformer-less microinverter with coupled inductor interleaved boost and half bridge voltage swing inverter. , 2018, , .		3
13	Duty phase shift technique for extended-duty-ratio boost converter for reducing device voltage stress over wider operating range. , 2018, , .		10
14	A single phase transformer-less string inverter with integrated magnetics and active power decoupling. , 2017, , .		5
15	A GaN based doubly grounded, reduced capacitance transformer-less split phase photovoltaic inverter with active power decoupling. , 2017, , .		13
16	Sensor-Less Current Sharing Over Wide Operating Range for Extended-Duty-Ratio Boost Converter. IEEE Transactions on Power Electronics, 2017, 32, 8763-8777.	7.9	48
17	A Capacitance-Minimized, Doubly Grounded Transformer less Photovoltaic Inverter With Inherent Active-Power Decoupling. IEEE Transactions on Power Electronics, 2017, 32, 5188-5201.	7.9	108
18	GaN-based high gain soft switching coupled-inductor boost converter. , 2017, , .		9

#	ARTICLE	IF	CITATIONS
19	Sliding mode control of a single phase transformer-less PV inverter with active power decoupling. , 2017, , .		9
20	Optimal variable switching frequency scheme for grid connected full bridge inverters with bipolar modulation scheme. , 2017, , .		3
21	Seamless transition of the operating zones for the extended-duty-ratio boost converter. , 2017, , .		3
22	A high performance T-type single phase double grounded transformer-less photovoltaic inverter with active power decoupling. , 2016, , .		11
23	A single phase transformerless string inverter with large voltage swing of half-bridge capacitors for active power decoupling. , 2016, , .		8