

Sandeep Anand

List of Publications by Year in descending order

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docs citations

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times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	GaN-Based Multiple Output Flyback Converter With Independently Controlled Outputs. IEEE Transactions on Industrial Electronics, 2022, 69, 2565-2576.	7.9	9
2	Temperature Droop-Based Dynamic Reactive Power Sharing Technique to Improve the Lifetime of Power Electronic Converter. IEEE Transactions on Power Electronics, 2022, 37, 5245-5255.	7.9	3
3	Dual Active Half Bridge Converter with Integrated Active Power Decoupling for On-Board EV Charger. , 2022, , .		2
4	Modified PWM Scheme to Reduce Reverse Conduction Loss in GaN-Based Independently Controlled Multiple Output Flyback Converter. IEEE Transactions on Power Electronics, 2022, 37, 12968-12972.	7.9	9
5	Active Thermal Control for Buck Converter-Based Active Power Decoupling Circuit. IEEE Transactions on Power Electronics, 2022, 37, 14955-14965.	7.9	3
6	Effect of Communication Delay on Consensus-Based Secondary Controllers in DC Microgrid. IEEE Transactions on Industrial Electronics, 2021, 68, 3202-3212.	7.9	25
7	Coordinated Control of OLTC and Energy Storage for Voltage Regulation in Distribution Network With High PV Penetration. IEEE Transactions on Sustainable Energy, 2021, 12, 262-272.	8.8	52
8	A Distributed-Controlled Harmonic Virtual Impedance Loop for AC Microgrids. IEEE Transactions on Industrial Electronics, 2021, 68, 3949-3961.	7.9	18
9	Power Loss Reduction in Buck Converter Based Active Power Decoupling Circuit. IEEE Transactions on Power Electronics, 2021, 36, 4316-4325.	7.9	18
10	Unveiling the Role of Graphene Oxide as an Interface Interlocking Ingredient in Polyvinylidene Fluoride-Based Multilayered Thin-Film Capacitors for High Energy Density and Ultrafast Discharge Applications. Energy Technology, 2021, 9, 2000905.	3.8	11
11	Flux Error Function Based Controlled Switching Method for Minimizing Inrush Current in 3-Phase Transformer. IEEE Transactions on Power Delivery, 2021, 36, 870-879.	4.3	9
12	Comparisons on Different Innovative Cascode GaN HEMT E-Mode Power Modules and Their Efficiencies on the Flyback Converter. Energies, 2021, 14, 5966.	3.1	7
13	Accurate Online Junction Temperature Estimation of IGBT Using Inflection Point Based Updated V Characteristics. IEEE Transactions on Power Electronics, 2021, 36, 9826-9836.	7.9	17
14	Selection of capacitance for stable operation of low power DC system with constant power loads. IET Generation, Transmission and Distribution, 2021, 15, 809-826.	2.5	2
15	Consensus based Ideal Current Sharing Controller for DC Microgrid. , 2020, , .		1
16	A Cascaded Interleaved Bootstrapped Gate Driver Power Supply for Multilevel Photovoltaic Inverters. , 2020, , .		0
17	Methodology of an Accurate Static V Characterization of Power Semiconductor Devices. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7703-7715.	4.7	11
18	Availability Based Load Harmonic Compensation Using PV Inverter. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Accelerated Aging Method and Lifetime Evaluation of Aluminum Electrolytic Capacitors for Power Electronic Application. , 2020, , .		1
20	Low Side Switch Based Regenerative Snubber Circuit for Flyback Converter. , 2020, , .		1
21	Error Analysis of An Accurate Bipolar Voltage Measurement Circuit for Online Health Monitoring of IGBTs. , 2019, , .		6
22	Method to Reduce Harmonic Voltage Distortion and Improve Harmonic Current Sharing in an islanded AC Microgrid. , 2019, , .		4
23	Reliability Comparison of DC Link Capacitor Bank for Different Configurations. , 2019, , .		1
24	Adaptive shunt filtering control of UPQC for increased nonlinear loads. IET Power Electronics, 2019, 12, 330-336.	2.1	31
25	Stability of DC Microgrid for Different Reduced Communication Topologies. , 2019, , .		1
26	Communication Topology Selection for Secondary Controllers in DC Microgrid. , 2019, , .		2
27	Structure and Degradation of Aluminum Electrolytic Capacitors. , 2019, , .		3
28	Health Estimation of Individual Capacitors in a Bank With Reduced Sensor Requirements. IEEE Transactions on Industrial Electronics, 2019, 66, 7250-7259.	7.9	31
29	Quality-Index Based Distributed Secondary Controller for a Low-Voltage DC Microgrid. IEEE Transactions on Industrial Electronics, 2018, 65, 7004-7014.	7.9	29
30	Integrated DC-DC Converter Based Grid-Connected Transformerless Photovoltaic Inverter With Extended Input Voltage Range. IEEE Transactions on Power Electronics, 2018, 33, 8322-8330.	7.9	48
31	Noninvasive Technique for DC-Link Capacitance Estimation in Single-Phase Inverters. IEEE Transactions on Power Electronics, 2018, 33, 3693-3696.	7.9	42
32	Online algorithms for storage utilization under real-time pricing in smart grid. International Journal of Electrical Power and Energy Systems, 2018, 101, 50-59.	5.5	9
33	CLPSO based droop optimization technique for DC Microgrid. , 2018, , .		4
34	Quasi-Online Technique for Health Monitoring of Capacitor in Single-Phase Solar Inverter. IEEE Transactions on Power Electronics, 2018, 33, 5283-5291.	7.9	65
35	Comparison of Si and GaN Power Devices Based SMPS for Satellite Application. , 2018, , .		3
36	Coordinated Voltage Control in LV Distribution Systems using OLTC and BESS. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Dynamic Overcurrent Saturation of Distributed Sources in a DC Microgrid System. , 2018, , .		0
38	An Improved Droop Control Method to Enhance Dynamic Performance of AC Microgrid. , 2018, , .		0
39	Partial Unfolding Scheme for Grid Feeding Transformerless PV Inverter. , 2018, , .		2
40	Performance Analysis of Reduced Communication Network in DC Microgrid. , 2018, , .		2
41	Ideal current-based distributed control to compensate line impedance in DC microgrid. IET Power Electronics, 2018, 11, 1178-1186.	2.1	24
42	Low-Frequency Impedance Monitoring and Corresponding Failure Criteria for Aluminum Electrolytic Capacitors. IEEE Transactions on Industrial Electronics, 2017, 64, 5657-5666.	7.9	52
43	Design and control of single-phase dynamic voltage restorer. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 1363-1375.	1.3	12
44	Evaluation of Vce at Inflection Point for Monitoring Bond Wire Degradation in Discrete Packaged IGBTs. IEEE Transactions on Power Electronics, 2017, 32, 2481-2484.	7.9	95
45	Optimal utilization of storage systems under real-time pricing. , 2017, , .		0
46	Mission profile based evaluation of capacitor reliability in two stage grid feeding photovoltaic inverter. , 2017, , .		2
47	Estimation and utilization of aggregate harmonic load model. , 2017, , .		1
48	Reduced communication based local averaging method for low voltage DC microgrid. , 2017, , .		2
49	Capacitor impedance estimation utilizing dc-link voltage oscillations in single phase inverter. IET Power Electronics, 2017, 10, 1046-1053.	2.1	17
50	Lifetime Monitoring of Electrolytic Capacitor to Maximize Earnings From Grid-Feeding PV System. IEEE Transactions on Industrial Electronics, 2016, 63, 7049-7058.	7.9	37
51	Dynamic droop gain adjustment for proportional power sharing in low voltage DC microgrid. , 2016, , .		5
52	Adaptive reactive power injection by solar PV inverter to minimize tap changes and line losses. , 2016, , .		2
53	Frequency response improvement in microgrid using optimized VSG control. , 2016, , .		15
54	Distributed secondary control with reduced communication in low-voltage DC microgrid. , 2016, , .		20

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55	Condition monitoring of dc-link capacitor utilizing zero state of solar PV H5 inverter. , 2016, , .		7
56	Power decoupling in solar PV system using partial power processing converter. , 2016, , .		8
57	Simulation of low voltage ride through scheme for inverters connected to distribution system with high R/X ratio. , 2016, , .		10
58	Comparative analysis of power density in Si MOSFET and GaN HEMT based flyback converters. , 2016, , .		8
59	Correlation of accelerated lifetime in punctured capacitor with normal operating lifetime. , 2016, , .		6
60	Online Monitoring Technique for Aluminum Electrolytic Capacitor in Solar PV-Based DC System. IEEE Transactions on Industrial Electronics, 2016, 63, 7059-7066.	7.9	58
61	An online technique for condition monitoring of capacitor in PV system. , 2015, , .		9
62	Online monitoring of power extraction efficiency for minimizing payback period of solar PV system. , 2015, , .		8
63	Eigenvalue sensitivity analysis of microgrid with constant power loads. , 2014, , .		6
64	Power management control for solar photovoltaic based DC system. , 2014, , .		4
65	Transformer-Less Grid Feeding Current Source Inverter for Solar Photovoltaic System. IEEE Transactions on Industrial Electronics, 2014, 61, 5334-5344.	7.9	112
66	Reduced-Order Model and Stability Analysis of Low-Voltage DC Microgrid. IEEE Transactions on Industrial Electronics, 2013, 60, 5040-5049.	7.9	252
67	Distributed Control to Ensure Proportional Load Sharing and Improve Voltage Regulation in Low-Voltage DC Microgrids. IEEE Transactions on Power Electronics, 2013, 28, 1900-1913.	7.9	748
68	DC Voltage Controller for Asymmetric-Twin-Converter-Topology-Based High-Power STATCOM. IEEE Transactions on Industrial Electronics, 2013, 60, 11-19.	7.9	18
69	Multilevel open-ended transformer based grid feeding inverter for solar photovoltaic application. , 2012, , .		4
70	Unique Power Electronics and Drives Experimental Bench (PEDEB) to Facilitate Learning and Research. IEEE Transactions on Education, 2012, 55, 573-579.	2.4	22
71	Modified droop controller for paralleling of dcâ€“dc converters in standalone dc system. IET Power Electronics, 2012, 5, 782-789.	2.1	95
72	Optimal charging of battery using solar PV in standalone DC system. , 2012, , .		8

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73	Steady state performance analysis for load sharing in DC distributed generation system. , 2011, , .		23
74	A new 4-level open-ended transformer based STATCOM for high power applications. , 2010, , .		3
75	Optimal voltage level for DC microgrids. , 2010, , .		166