

# Haoze Luo

## List of Publications by Year in descending order

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245  
papers

9,328  
citations

53794

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45317

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g-index

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docs citations

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times ranked

5279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Nonisolated High-Step-Up DC/DC Converters in Photovoltaic Grid-Connected Applications. IEEE Transactions on Industrial Electronics, 2011, 58, 1239-1250.	7.9	1,102
2	Topology Review and Derivation Methodology of Single-Phase Transformerless Photovoltaic Inverters for Leakage Current Suppression. IEEE Transactions on Industrial Electronics, 2015, 62, 4537-4551.	7.9	502
3	Improved Transformerless Inverter With Common-Mode Leakage Current Elimination for a Photovoltaic Grid-Connected Power System. IEEE Transactions on Power Electronics, 2012, 27, 752-762.	7.9	498
4	Design and Analysis of a Grid-Connected Photovoltaic Power System. IEEE Transactions on Power Electronics, 2010, 25, 992-1000.	7.9	421
5	Mode-Adaptive Decentralized Control for Renewable DC Microgrid With Enhanced Reliability and Flexibility. IEEE Transactions on Power Electronics, 2014, 29, 5072-5080.	7.9	390
6	Transformerless Inverter With Virtual DC Bus Concept for Cost-Effective Grid-Connected PV Power Systems. IEEE Transactions on Power Electronics, 2013, 28, 793-805.	7.9	271
7	Interleaved Converter With Voltage Multiplier Cell for High Step-Up and High-Efficiency Conversion. IEEE Transactions on Power Electronics, 2010, 25, 2397-2408.	7.9	222
8	Frequency-Coordinating Virtual Impedance for Autonomous Power Management of DC Microgrid. IEEE Transactions on Power Electronics, 2015, 30, 2328-2337.	7.9	202
9	An Extremely High Efficient Three-Level Active Neutral-Point-Clamped Converter Comprising SiC and Si Hybrid Power Stages. IEEE Transactions on Power Electronics, 2018, 33, 8341-8352.	7.9	169
10	High Step-Up Interleaved Converter With Built-In Transformer Voltage Multiplier Cells for Sustainable Energy Applications. IEEE Transactions on Power Electronics, 2014, 29, 2829-2836.	7.9	151
11	Single-Phase Improved Active Clamp Coupled-Inductor-Based Converter With Extended Voltage Doubler Cell. IEEE Transactions on Power Electronics, 2012, 27, 2869-2878.	7.9	148
12	Interleaved High Step-Up ZVT Converter With Built-In Transformer Voltage Doubler Cell for Distributed PV Generation System. IEEE Transactions on Power Electronics, 2013, 28, 300-313.	7.9	148
13	Single-Switch High Step-Up Converters With Built-In Transformer Voltage Multiplier Cell. IEEE Transactions on Power Electronics, 2012, 27, 3557-3567.	7.9	139
14	High-Step-Up and High-Efficiency Fuel-Cell Power-Generation System With Active-Clamp Flyback-Forward Converter. IEEE Transactions on Industrial Electronics, 2012, 59, 599-610.	7.9	135
15	Junction Temperature Extraction Approach with Turn-off Delay Time for High-voltage High-Power IGBT Modules. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	131
16	A Family of Interleaved DC-DC Converters Deduced From a Basic Cell With Winding-Cross-Coupled Inductors (WCCIs) for High Step-Up or Step-Down Conversions. IEEE Transactions on Power Electronics, 2008, 23, 1791-1801.	7.9	129
17	Single-Stage Single-Phase High-Step-Up ZVT Boost Converter for Fuel-Cell Microgrid System. IEEE Transactions on Power Electronics, 2010, 25, 3057-3065.	7.9	125
18	An Interleaved Winding-Coupled Boost Converter With Passive Lossless Clamp Circuits. IEEE Transactions on Power Electronics, 2007, 22, 1499-1507.	7.9	124

#	ARTICLE	IF	CITATIONS
19	PWM Plus Phase Angle Shift (PPAS) Control Scheme for Combined Multiport DC/DC Converters. IEEE Transactions on Power Electronics, 2012, 27, 1479-1489.	7.9	111
20	Improved Nearest-Level Modulation for a Modular Multilevel Converter With a Lower Submodule Number. IEEE Transactions on Power Electronics, 2016, 31, 5369-5377.	7.9	110
21	Analysis, Design, and Experimentation of an Isolated ZVT Boost Converter With Coupled Inductors. IEEE Transactions on Power Electronics, 2011, 26, 541-550.	7.9	100
22	A Review of Non-Isolated High Step-Up DC/DC Converters in Renewable Energy Applications. , 2009, , .		99
23	Overview of Current Microgrid Policies, Incentives and Barriers in the European Union, United States and China. Sustainability, 2017, 9, 1146.	3.2	98
24	Passivity-Based Control of DC Microgrid for Self-Disciplined Stabilization. IEEE Transactions on Power Systems, 2015, 30, 2623-2632.	6.5	92
25	Design and Analysis of Isolated ZVT Boost Converters for High-Efficiency and High-Step-Up Applications. IEEE Transactions on Power Electronics, 2007, 22, 2363-2374.	7.9	90
26	A Family of Isolated Interleaved Boost and Buck Converters With Winding-Cross-Coupled Inductors. IEEE Transactions on Power Electronics, 2008, 23, 3164-3173.	7.9	84
27	Advanced Symmetrical Voltage Quadrupler Rectifiers for High Step-Up and High Output-Voltage Converters. IEEE Transactions on Power Electronics, 2013, 28, 1622-1631.	7.9	83
28	Analysis and Control of Bipolar LVDC Grid With DC Symmetrical Component Method. IEEE Transactions on Power Systems, 2016, 31, 685-694.	6.5	80
29	A Short-Circuit Safe Operation Area Identification Criterion for SiC MOSFET Power Modules. IEEE Transactions on Industry Applications, 2017, 53, 2880-2887.	4.9	78
30	Secondary-Side Phase-Shift-Controlled ZVS DC/DC Converter With Wide Voltage Gain for High Input Voltage Applications. IEEE Transactions on Power Electronics, 2013, 28, 5128-5139.	7.9	75
31	Flexible Fault-Tolerant Topology for Switched Reluctance Motor Drives. IEEE Transactions on Power Electronics, 2016, 31, 4654-4668.	7.9	75
32	Isolated Winding-Coupled Bidirectional ZVS Converter With PWM Plus Phase-Shift (PPS) Control Strategy. IEEE Transactions on Power Electronics, 2011, 26, 3560-3570.	7.9	73
33	Average-Value Model of Modular Multilevel Converters Considering Capacitor Voltage Ripple. IEEE Transactions on Power Delivery, 2017, 32, 723-732.	4.3	72
34	Decoupling-Controlled Triport Compositied DC/DC Converter for Multiple Energy Interface. IEEE Transactions on Industrial Electronics, 2015, 62, 4504-4513.	7.9	69
35	Nature of power electronics and integration of power conversion with communication for talkative power. Nature Communications, 2020, 11, 2479.	12.8	69
36	Imbalance Mechanism and Balanced Control of Capacitor Voltage for a Hybrid Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2018, 33, 5686-5696.	7.9	65

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37	High Off-State Impedance Gate Driver of SiC MOSFETs for Crosstalk Voltage Elimination Considering Common-Source Inductance. IEEE Transactions on Power Electronics, 2020, 35, 2999-3011.	7.9	61
38	Asymmetrical Duty Cycle Controlled Full-Bridge LLC Resonant Converter with Equivalent Switching Frequency Doubler. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	60
39	Investigation and Classification of Short-Circuit Failure Modes Based on Three-Dimensional Safe Operating Area for High-Power IGBT Modules. IEEE Transactions on Power Electronics, 2018, 33, 1075-1086.	7.9	60
40	Single-Phase High Step-up Converter With Improved Multiplier Cell Suitable for Half-Bridge-Based PV Inverter System. IEEE Transactions on Power Electronics, 2014, 29, 2807-2816.	7.9	58
41	Medium Voltage Soft-Switching DC/DC Converter With Series-Connected SiC MOSFETs. IEEE Transactions on Power Electronics, 2021, 36, 1451-1462.	7.9	51
42	Improved Virtual Vector Control of Single-Phase Inverter Based on Unified Model. IEEE Transactions on Energy Conversion, 2014, 29, 611-618.	5.2	47
43	Three-phase interleaved high-step-up converter with coupled-inductor-based voltage quadrupler. IET Power Electronics, 2014, 7, 1841-1849.	2.1	47
44	Central-Tapped Node Linked Modular Fault-Tolerance Topology for SRM Applications. IEEE Transactions on Power Electronics, 2016, 31, 1541-1554.	7.9	46
45	Enabling Junction Temperature Estimation via Collector-Side Thermo-Sensitive Electrical Parameters Through Emitter Stray Inductance in High-Power IGBT Modules. IEEE Transactions on Industrial Electronics, 2018, 65, 4724-4738.	7.9	46
46	Detection and Localization of Submodule Open-Circuit Failures for Modular Multilevel Converters With Single Ring Theorem. IEEE Transactions on Power Electronics, 2019, 34, 3729-3739.	7.9	46
47	Modular Multilevel DC/DC Converters With Phase-Shift Control Scheme for High-Voltage DC-Based Systems. IEEE Transactions on Power Electronics, 2015, 30, 99-107.	7.9	45
48	A Modular Multilevel Resonant DC-DC Converter. IEEE Transactions on Power Electronics, 2020, 35, 7921-7932.	7.9	44
49	Role of Threshold Voltage Shift in Highly Accelerated Power Cycling Tests for SiC MOSFET Modules. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1657-1667.	5.4	43
50	Analytical and Experimental Investigation on A Dynamic Thermo-Sensitive Electrical Parameter With Maximum $\frac{dI_{\{C\}}}{dt}$ During Turn-off for High Power Trench Gate/Field-Stop IGBT Modules. IEEE Transactions on Power Electronics, 2017, 32, 6394-6404.	7.9	41
51	Three-Level Forward-Flyback Phase-Shift ZVS Converter With Integrated Series-Connected Coupled Inductors. IEEE Transactions on Power Electronics, 2012, 27, 2846-2856.	7.9	40
52	Theoretical Evaluation of Stability Improvement Brought by Resonant Current Loop for Paralleled LLC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 4170-4180.	7.9	40
53	Flying-Capacitor-Based Hybrid LLC Converters With Input Voltage Autobalance Ability for High Voltage Applications. IEEE Transactions on Power Electronics, 2016, 31, 1908-1920.	7.9	39
54	Analysis, design and implementation of isolated bidirectional converter with winding-cross-coupled inductors for high step-up and high step-down conversion system. IET Power Electronics, 2014, 7, 67-77.	2.1	38

#	ARTICLE	IF	CITATIONS
55	Series Asymmetrical Half-Bridge Converters With Voltage Autobalance for High Input-Voltage Applications. IEEE Transactions on Power Electronics, 2013, 28, 3665-3674.	7.9	37
56	Hybrid $\Delta$ -bridge transformerless photovoltaic grid-connected inverter. IET Power Electronics, 2015, 8, 439-446.	2.1	35
57	Online High-Power P-i-N Diode Chip Temperature Extraction and Prediction Method With Maximum Recovery Current $\frac{dI}{dt}$ and $\frac{dT}{dt}$ . IEEE Transactions on Power Electronics, 2015, 30, 2395-2404.	7.9	35
58	IPMSMs Sensorless MTPA Control Based on Virtual $q$ -Axis Inductance by Using Virtual High-Frequency Signal Injection. IEEE Transactions on Industrial Electronics, 2020, 67, 136-146.	7.9	35
59	DC Voltage Ripple Optimization of a Single-Stage Solid-State Transformer Based on the Modular Multilevel Matrix Converter. IEEE Transactions on Power Electronics, 2020, 35, 12801-12815.	7.9	35
60	Online Junction Temperature Extraction of SiC Power mosfets With Temperature Sensitive Optic Parameter (TSOP) Approach. IEEE Transactions on Power Electronics, 2019, 34, 10143-10152.	7.9	34
61	Space Vector Modulation for SiC and Si Hybrid ANPC Converter in Medium-Voltage High-Speed Drive System. IEEE Transactions on Power Electronics, 2020, 35, 3390-3401.	7.9	34
62	Aging precursors and degradation effects of SiC-MOSFET modules under highly accelerated power cycling conditions. , 2017, , .		33
63	A 12-Level Series-Capacitor 48-1V DC-DC Converter With On-Chip Switch and GaN Hybrid Power Conversion. IEEE Journal of Solid-State Circuits, 2021, 56, 3628-3638.	5.4	33
64	Unified Equivalent Steady-State Circuit Model and Comprehensive Design of the LCC Resonant Converter for HV Generation Architectures. IEEE Transactions on Power Electronics, 2018, 33, 7531-7544.	7.9	32
65	Application Summarization of Coupled Inductors in DC/DC Converters. , 2009, , .		30
66	Active gate driving method for reliability improvement of IGBTs via junction temperature swing reduction. , 2016, , .		28
67	Study of Current Density Influence on Bond Wire Degradation Rate in SiC MOSFET Modules. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1622-1632.	5.4	28
68	Recent advances and trend of HEV/EV-oriented power semiconductors – an overview. IET Power Electronics, 2020, 13, 394-404.	2.1	28
69	Synchronous frequency resonance of virtual synchronous generators and damping control. , 2015, , .		27
70	Common-Mode Current Suppression of Transformerless Nested Five-Level Converter With Zero Common-Mode Vectors. IEEE Transactions on Power Electronics, 2019, 34, 4249-4258.	7.9	27
71	Active Thermal Control for Hybrid Modular Multilevel Converter Under Overmodulation Operation. IEEE Transactions on Power Electronics, 2020, 35, 4242-4255.	7.9	27
72	Islanding Detection With Positive Feedback of Selected Frequency for DC Microgrid Systems. IEEE Transactions on Power Electronics, 2021, 36, 11800-11817.	7.9	27

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73	A Coupled-Inductor-Based LCC Resonant Converter With the Primary-Parallel-Secondary-Series Configuration to Achieve Output-Voltage Sharing for HV Generator Applications. IEEE Transactions on Power Electronics, 2019, 34, 6108-6122.	7.9	26
74	Neutral-Point-Shift-Based Active Thermal Control for a Modular Multilevel Converter Under a Single-Phase-to-Ground Fault. IEEE Transactions on Industrial Electronics, 2019, 66, 2474-2484.	7.9	26
75	A Modified RC Snubber With Coupled Inductor for Active Voltage Balancing of Series-Connected SiC MOSFETs. IEEE Transactions on Power Electronics, 2021, 36, 11208-11220.	7.9	26
76	Modern IGBT gate driving methods for enhancing reliability of high-power converters – An overview. Microelectronics Reliability, 2016, 58, 141-150.	1.7	25
77	Simultaneous On-State Voltage and Bond-Wire Resistance Monitoring of Silicon Carbide MOSFETs. Energies, 2017, 10, 384.	3.1	25
78	Inherent SM Voltage Balance for Multilevel Circulant Modulation in Modular Multilevel DC-DC Converters. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	25
79	An SiC MOSFET and Si Diode Hybrid Three-Phase High-Power Three-Level Rectifier. IEEE Transactions on Power Electronics, 2019, 34, 6076-6087.	7.9	24
80	Compact Sandwiched Press-Pack SiC Power Module With Low Stray Inductance and Balanced Thermal Stress. IEEE Transactions on Power Electronics, 2020, 35, 2237-2241.	7.9	24
81	Highly efficient and reliable inverter concept-based transformerless photovoltaic inverters with tri-direction clamping cell for leakage current elimination. IET Power Electronics, 2016, 9, 1675-1683.	2.1	23
82	Online High-Power p-i-n Diode Junction Temperature Extraction With Reverse Recovery Fall Storage Charge. IEEE Transactions on Power Electronics, 2017, 32, 2558-2567.	7.9	23
83	Dynamic junction temperature estimation via built-in negative thermal coefficient (NTC) thermistor in high power IGBT modules. , 2017, , .		23
84	Die degradation effect on aging rate in accelerated cycling tests of SiC power MOSFET modules. Microelectronics Reliability, 2017, 76-77, 415-419.	1.7	23
85	Design of Active SiC MOSFET Gate Driver for Crosstalk Suppression Considering Impedance Coordination between Gate Loop and Power Loop. , 2019, , .		23
86	Capacitor Voltage Balance Control of Hybrid Modular Multilevel Converters With Second- Order Circulating Current Injection. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 157-167.	5.4	23
87	Phase-shifted full bridge converter featuring ZVS over the full load range. , 2010, , .		22
88	Decoupled Current Control With Synchronous Frequency Damping for MMC Considering Sub-module Capacitor Voltage Ripple. IEEE Transactions on Power Delivery, 2018, 33, 419-428.	4.3	22
89	Implications of Ageing Through Power Cycling on the Short-Circuit Robustness of 1.2-kV SiC mosfets. IEEE Transactions on Power Electronics, 2019, 34, 11182-11190.	7.9	22
90	Online junction temperature extraction with turn-off delay time for high power IGBTs. , 2014, , .		21

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91	Arm Phase-Shift Conducting Modulation for Alternate Arm Multilevel Converter With Half-Bridge Submodules. IEEE Transactions on Power Electronics, 2021, 36, 5223-5235.	7.9	21
92	Common-mode voltage injection-based nearest level modulation with loss reduction for modular multilevel converters. IET Renewable Power Generation, 2016, 10, 798-806.	3.1	20
93	A 3D Thermal Network Model for Monitoring Imbalanced Thermal Distribution of Press-Pack IGBT Modules in MMC-HVDC Applications. Energies, 2019, 12, 1319.	3.1	20
94	Motion-Induction Compensation to Mitigate Sub-Synchronous Oscillation in Wind Farms. IEEE Transactions on Sustainable Energy, 2020, 11, 1247-1256.	8.8	20
95	A smart and simple PV charger for portable applications. , 2010, , .		19
96	Polynomial Curve Slope Compensation for Peak-Current-Mode-Controlled Power Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 470-481.	7.9	18
97	A new soft switching snubber for the interleaved boost converters. , 0, , .		17
98	On-line solder layer degradation measurement for SiC-MOSFET modules under accelerated power cycling condition. Microelectronics Reliability, 2018, 88-90, 563-567.	1.7	17
99	Control Optimization of Modular Multilevel Resonant DC Converters for Wide-Input-Range MVdc to LVdc Applications. IEEE Transactions on Power Electronics, 2022, 37, 5284-5298.	7.9	17
100	Overview of supercapacitor voltage equalisation circuits for an electric vehicle charging application. , 2010, , .		16
101	A novel single-phase transformerless grid-connected inverter. , 2011, , .		16
102	A thermo-sensitive electrical parameter with maximum dI <sub>C</sub> /dt during turn-off for high power Trench/Field-Stop IGBT modules. , 2016, , .		16
103	A Feedback Passivation Design for DC Microgrid and Its DC/DC Converters. Energies, 2017, 10, 14.	3.1	16
104	A SiC and Si Hybrid Five-Level Unidirectional Rectifier for Medium Voltage Applications. IEEE Transactions on Industrial Electronics, 2022, 69, 7537-7548.	7.9	16
105	Investigation and Emulation of Junction Temperature for High-Power IGBT Modules Considering Grid Codes. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 930-940.	5.4	15
106	A non-isolated interleaved ZVT boost converter with high step-up conversion derived from its isolated counterpart. , 2007, , .		14
107	Performance analysis of coupled inductor based multiple-input DC/DC converter with PWM plus phase-shift (PPS) control strategy. , 2013, , .		14
108	EM-Electrothermal Analysis of Semiconductor Power Modules. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1495-1503.	2.5	14



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109	General Derivation Law With Torque-Free Achieving of Integral On-Board Charger on Compact Powertrains. IEEE Transactions on Industrial Electronics, 2021, 68, 1791-1802.	7.9	14
110	Online Junction Temperature and Current Simultaneous Extraction for SiC MOSFETs With Electroluminescence Effect. IEEE Transactions on Power Electronics, 2022, 37, 21-25.	7.9	14
111	Graph-Model-Based Generative Layout Optimization for Heterogeneous SiC Multichip Power Modules With Reduced and Balanced Parasitic Inductance. IEEE Transactions on Power Electronics, 2022, 37, 9298-9313.	7.9	14
112	Partial Power Conversion Device Without Large Electrolytic Capacitors for Power Flow Control and Voltage Compensation. IEEE Transactions on Power Electronics, 2012, 27, 4847-4857.	7.9	13
113	Advanced Four-Pair Architecture With Input Current Balance Function for Power Over Ethernet (PoE) System. IEEE Transactions on Power Electronics, 2013, 28, 2343-2355.	7.9	13
114	A Cost-Effective and DC-Fault Tolerant Alternate Arm Converter With Wide Range Voltage Adaptability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6673-6686.	5.4	13
115	Interleaved ZVT Boost Converters with Winding-Coupled Inductors and Built-In LC Low Pass Output Filter Suitable for Distributed Fuel Cell Generation System. , 2007, , .		12
116	An active clamp ZVT converter with input-parallel and output-series configuration. , 2010, , .		12
117	Virtual Quadrature Source-Based Sinusoidal Modulation Applied to High-Frequency Link Converter Enabling Arbitrary Direct AC-AC Power Conversion. IEEE Transactions on Power Electronics, 2014, 29, 4195-4208.	7.9	12
118	An isolated interleaved active-clamp ZVT flyback-boost converter with coupled inductors. , 2007, , .		11
119	A non-isolated high step-up converter with built-in transformer derived from its isolated counterpart. , 2010, , .		11
120	A transformerless grid connected photovoltaic inverter with switched capacitors. , 2011, , .		11
121	Performance analysis of composite five-level converter with dual T type and diode modules. , 2013, , .		11
122	Three-level frequency-doubling LLC resonant converter with high step-down ratio for high input voltage applications. , 2014, , .		11
123	Enhanced HERIC based transformerless inverter with hybrid clamping cell for leakage current elimination. , 2015, , .		11
124	Separation test method for investigation of current density effects on bond wires of SiC power MOSFET modules. , 2017, , .		11
125	A Statistical Submodule Open-Circuit Failure Diagnosis Method for Modular Multilevel Converters (MMCs) With Variance Measurement. IEEE Open Journal of Power Electronics, 2020, 1, 180-189.	5.7	11
126	An Improved ZVT PWM Three Level Boost Converter for Power Factor Preregulator. , 2007, , .		10



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127	A high-efficiency single-phase inverter for transformerless photovoltaic grid-connection. , 2014, , .		10
128	Analysis and compensation of dead-time effect considering parasitic capacitance and ripple current. , 2015, , .		10
129	Non-Contact Degradation Evaluation for IGBT Modules Using Eddy Current Pulsed Thermography Approach. Energies, 2020, 13, 2613.	3.1	10
130	Improved Switching Ripple Modulation Strategy for Simultaneous Power Conversion and Data Communication in DCâ€“DC Converters. IEEE Transactions on Power Electronics, 2022, 37, 9275-9284.	7.9	10
131	Thermal Optimization of Modular Multilevel Converters With Surplus Submodule Active-Bypass Plus Neutral-Point-Shift Scheme Under Unbalanced Grid Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1777-1788.	5.4	9
132	A Coupled Inductor Based Circuit for Voltage Balancing among Series Connected SiC MOSFETs. , 2020, , .		9
133	An Impedance Adapting Compensation Scheme for High Current NMOS LDO Design. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, , 1-1.	3.0	9
134	Active clamp boost converter with switched capacitor and coupled inductor. , 2010, , .		8
135	Simple Moving Voltage Average Incremental Conductance MPPT Technique with Direct Control Method under Nonuniform Solar Irradiance Conditions. International Journal of Photoenergy, 2015, 2015, 1-12.	2.5	8
136	Implementation of simple moving voltage average technique with direct control incremental conductance method to optimize the efficiency of DC microgrid. , 2015, , .		8
137	Energy Compression of Dielectric Barrier Discharge With Third Harmonic Circulating Current in Current-Fed Parallel-Series Resonant Converter. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	8
138	Performance analysis of isolated ZVT interleaved converter with winding-cross-coupled inductors and switched-capacitors. , 2010, , .		7
139	Performance analysis of interleaved boost converter with voltage gain extension cell. , 2012, , .		7
140	Self-disciplined stabilization of DC microgrids by passivity-based control. , 2015, , .		7
141	Highâ€“power bidirectional resonant DCâ€“DC converter with equivalent switching frequency doubler. IET Renewable Power Generation, 2016, 10, 834-842.	3.1	7
142	IGBT junction temperature measurement via combined TSEPs with collector current impact elimination. , 2016, , .		7
143	A current sensorless IGBT junction temperature extraction method via parasitic parameters between power collector and auxiliary collector. , 2017, , .		7
144	Space Vector Modulation for SiC & Si Hybrid Active Neutral Point Clamped Converter. , 2018, , .		7

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145	Junction Temperature Measurement Based on Electroluminescence Effect in Body Diode of SiC Power MOSFET. , 2019, , .		7
146	AR-Aided Smart Sensing for In-Line Condition Monitoring of IGBT Wafer. IEEE Transactions on Industrial Electronics, 2019, 66, 8197-8204.	7.9	7
147	Investigation of Off-State Stress Induced Degradation of SiC MOSFETs Under Short-Circuit Condition. IEEE Transactions on Industrial Electronics, 2023, 70, 5224-5234.	7.9	7
148	Active Power Filter Based on Four-leg Hybrid-Clamped Technique. , 2007, , .		6
149	Performance analysis of a ZVS bidirectional DC-DC converter with reduced voltage stress on high voltage side. , 2013, , .		6
150	Application of bi-directional Z-Source in ultracapacitor-battery hybrid energy storage system for EV. , 2015, , .		6
151	Investigation on the short circuit safe operation area of SiC MOSFET power modules. , 2016, , .		6
152	Elimination of collector current impact in TSEP-based junction temperature extraction method for high-power IGBT modules. Chinese Journal of Electrical Engineering, 2016, 2, 85-90.	3.4	6
153	Improved Surface Modification of Polymer Films by Energy-Compressed Dielectric Barrier Discharge With Discharge-Time-Regulated Power Source. IEEE Transactions on Plasma Science, 2017, 45, 60-67.	1.3	6
154	Non-isolated stacked bidirectional soft-switching DC-DC converter with PWM plus phase-shift control scheme. Journal of Modern Power Systems and Clean Energy, 2017, 5, 631-641.	5.4	6
155	Modeling and Design of a Medium Frequency Transformer with High Isolation and High Power-Density. , 2021, , .		6
156	Review of Methodologies for Evaluating Short-Circuit Robustness and Reliability of SiC Power MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4665-4679.	5.4	6
157	High Voltage Winding Internal Electric Field Shielding Structure for Medium Voltage High Frequency Transformers. IEEE Transactions on Power Electronics, 2022, 37, 11469-11474.	7.9	6
158	Primary-side controlled flyback converter with current compensation in micro-power applications. , 2009, , .		5
159	A novel elevator load torque identification method based on friction mode. , 2010, , .		5
160	Comparing the performance of different control techniques for DC-DC boost converter with variable solar PV generation in DC microgrid. , 2014, , .		5
161	Uneven temperature effect evaluation in high-power IGBT inverter legs and relative test platform design. Microelectronics Reliability, 2017, 76-77, 123-130.	1.7	5
162	Turn-off performance optimization of press-pack IGBT with advanced active gate driver technique. , 2017, , .		5

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163	Online Aging Parameter Extraction with Induced Voltage $v_{\text{ext}}$ between Kelvin and Power Emitter in Turn-off Progress for IGBT Modules. , 2018, , .		5
164	A Statistical Submodule Open-circuit Failure Diagnosis Method for MMCs Enabling Failure Detection, Localization and Classification. , 2019, , .		5
165	Islanding Detection Methods Based on Self-oscillation of Particular Frequency in DC Distribution Systems. , 2020, , .		5
166	Effects analysis of excitation circuit on power control for VSG: a design-oriented study. IET Renewable Power Generation, 2020, 14, 803-810.	3.1	5
167	An Extremely High Power Density Asymmetrical Back-to-Back Converter for Aerospace Motor Drive Applications. Energies, 2020, 13, 1292.	3.1	5
168	A Family of Interleaved DC/DC Convert Deduced from a Basic Cell with Winding-Coupled Inductors for High Step-Up/Step-Down Conversions. , 2007, , .		4
169	A grid-connected PV power system with high step-up ZVT interleaved boost converter. , 2008, , .		4
170	Performance comparison of Phase-shift (PS) and PWM plus Phase-shift (PPS) control schemes for bidirectional DC-DC converters. , 2012, , .		4
171	Elimination of bus voltage impact on temperature sensitive electrical parameter during turn-on transition for junction temperature estimation of high-power IGBT modules. , 2017, , .		4
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