

# Zhengming Zhao

## List of Publications by Year in descending order

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239  
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citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Analysis of Hybrid Dual Active Bridge Converter to Optimize Efficiency Over Whole Operating Range. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 432-441.	5.4	8
2	An Event-Driven Real-Time Simulation for Power Electronics Systems Based on Discrete Hybrid Time-Step Algorithm. IEEE Transactions on Industrial Electronics, 2023, 70, 4809-4819.	7.9	4
3	Switching Transient Simulation and System Efficiency Evaluation of Megawatt Power Electronics Converter With Discrete State Event-Driven Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 2180-2190.	7.9	3
4	Integral Control of Megawatt Power Electronic Systems as Generalized Hybrid Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4254-4274.	5.4	1
5	Designing an M-Shape Magnetic Coupler for the Wireless Charging System in Railway Applications. IEEE Transactions on Power Electronics, 2022, 37, 1059-1073.	7.9	11
6	Chirp Signal Injection Method and Real-Time Impedance Characteristic Measurement of Electric Energy Router. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5564-5577.	5.4	3
7	High-Frequency Current Predictive Control Method for Multiactive-Bridge Converter. IEEE Transactions on Power Electronics, 2022, 37, 10144-10148.	7.9	5
8	Transient DC Bias and Universal Dynamic Modulation of Multiactive Bridge Converters. IEEE Transactions on Power Electronics, 2022, 37, 11516-11522.	7.9	3
9	An Automated Semi-symbolic State Equation Generation Method for Simulation of Power Electronic Systems. IEEE Transactions on Power Electronics, 2021, 36, 3946-3956.	7.9	10
10	A Nonlinear Control Method for Bumpless Mode Transition in Noninverting Buck-Boost Converter. IEEE Transactions on Power Electronics, 2021, 36, 2166-2178.	7.9	18
11	Deadbeat Current Controller for Bidirectional Dual-Active-Bridge Converter Using an Enhanced SPS Modulation Method. IEEE Transactions on Power Electronics, 2021, 36, 1274-1279.	7.9	39
12	A Self-Regulating Gate Driver for High-Power IGBTs. IEEE Transactions on Power Electronics, 2021, 36, 3450-3461.	7.9	27
13	Routing strategy for DC power grid with electric power routers. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	0
14	A Self-Regulating Method for IGBT Turn-Off Peak Voltage Control With Turn-Off Characteristics Improvement. IEEE Access, 2021, 9, 122207-122215.	4.2	0
15	Discrete-State Event-Driven Numerical Prototyping of Megawatt Solid-State Transformers and AC/DC Hybrid Microgrids. IEEE Access, 2021, 9, 108329-108339.	4.2	0
16	Event-Driven Approach With Time-Scale Hierarchical Automaton for Switching Transient Simulation of SiC-Based High-Frequency Converter. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, , 1-14.	5.4	0
17	Impedance Shaping Control Strategy for Wireless Power Transfer System Based on Dynamic Small-Signal Analysis. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1354-1365.	5.4	14
18	A Semiphysical Semibehavioral Analytical Model for Switching Transient Process of SiC MOSFET Module. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2258-2270.	5.4	15

#	ARTICLE	IF	CITATIONS
19	Design and Implementation of Four-Port Megawatt-Level High-Frequency-Bus Based Power Electronic Transformer. IEEE Transactions on Power Electronics, 2021, 36, 6429-6442.	7.9	29
20	Topology and control strategy on transformerless wireless power station for future electric transportation systems. International Transactions on Electrical Energy Systems, 2021, 31, e13019.	1.9	6
21	A Numerical Convex Lens for the State-Discretized Modeling and Simulation of Megawatt Power Electronics Systems as Generalized Hybrid Systems. Engineering, 2021, 7, 1766-1777.	6.7	3
22	Motor-Oriented Discrete State Event-Driven Method for Multitime-Scale Simulation of Power Traction Systems. IEEE Transactions on Transportation Electrification, 2021, 7, 1652-1661.	7.8	2
23	Voltage Oscillation Suppression for the High-Frequency Bus in Modular-Multiactive-Bridge Converter. IEEE Transactions on Power Electronics, 2021, 36, 9737-9742.	7.9	8
24	Time-Domain and Frequency-Domain Analysis of SiC MOSFET Switching Transients Considering Transmission of Control, Drive, and Power Pulses. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6441-6452.	5.4	2
25	Analysis and Control of a Four-Port Megawatt-Level High-Frequency-Bus-Based Power Electronic Transformer. IEEE Transactions on Power Electronics, 2021, 36, 13080-13095.	7.9	18
26	Discrete State Event-Driven Simulation Approach With a State-Variable-Interfaced Decoupling Strategy for Large-Scale Power Electronics Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 11673-11683.	7.9	13
27	Backward Discrete State Event-Driven Approach for Simulation of Stiff Power Electronic Systems. IEEE Access, 2021, 9, 28573-28581.	4.2	2
28	Communication-Independent Power Balance Control for Solid State Transformer Interfaced Multiple Power Conversion Systems. IEEE Transactions on Power Electronics, 2020, 35, 4256-4271.	7.9	20
29	Design-Oriented Comprehensive Time-Domain Model for <i>CLLC</i> Class Isolated Bidirectional DC-DC Converter for Various Operation Modes. IEEE Transactions on Power Electronics, 2020, 35, 3491-3505.	7.9	34
30	A Phase Synchronization Technique Based on Perturbation and Observation for Bidirectional Wireless Power Transfer System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1287-1297.	5.4	29
31	A Novel Coordinated Control Strategy for Energy Storage System in DC Microgrid With Weak Communication. IEEE Transactions on Industry Applications, 2020, 56, 800-814.	4.9	12
32	A Breakthrough in Design Verification of Megawatt Power Electronic Systems. IEEE Power Electronics Magazine, 2020, 7, 36-43.	0.7	10
33	Study on DC-Voltage Rising of Blocked Port in High-Frequency-Link Converters. , 2020, , .		0
34	An Energy Balance Active Disturbance Rejection Control for Improving Converter Stability While Maintaining Fast Dynamic Performance. IEEE Transactions on Power Electronics, 2020, 35, 11304-11309.	7.9	15
35	A Bidirectional Wireless Power Transfer System Control Strategy Independent of Real-Time Wireless Communication. IEEE Transactions on Industry Applications, 2020, 56, 1587-1598.	4.9	37
36	A discrete state event driven simulation based losses analysis for multi-terminal megawatt power electronic transformer. CES Transactions on Electrical Machines and Systems, 2020, 4, 275-284.	3.5	6

#	ARTICLE	IF	CITATIONS
37	A Comprehensive Design-Oriented Time-Domain Model for Isolated Bidirectional DC-DC Converter Considering Dead-Time Effect. , 2020, , .		0
38	Hierarchical Control of Electric Energy Router System Integrated with PV and Energy Storage. , 2020, , .		0
39	A Control Method for Chirp Signal Injecting of DCDC Voltage Source Converter. , 2020, , .		1
40	An Advanced Self-Regulating Gate Driver for IGBTs. , 2020, , .		0
41	Back-to-Back H-Bridge Cell Based Modular Solid State Transformer with High-Frequency Link. , 2020, , .		1
42	Impedance Shaping Method to Stabilize the LCL-S Compensated Wireless Power Transfer System. , 2020, , .		0
43	Analysis of the Steady-State Current Ripple in Multileg Class-D Power Amplifiers Under Inductance Mismatches. IEEE Transactions on Power Electronics, 2019, 34, 3646-3657.	7.9	9
44	A Non-Segmented PSpice Model of SiC mosfet With Temperature-Dependent Parameters. IEEE Transactions on Power Electronics, 2019, 34, 4603-4612.	7.9	41
45	Analytical Methodology for Loss Calculation of SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 71-83.	5.4	77
46	Steady-state model of multi-port electric energy router and power flow analysis method of AC/DC hybrid system considering control strategies. Journal of Engineering, 2019, 2019, 2794-2799.	1.1	2
47	Active Selection of Current Commutation Loop for Hybrid Three-Level Dual Active Bridge DC-DC Converter with TPS Control. , 2019, , .		10
48	A Temperature-dependent PSpice Short-circuit Model of SiC MOSFET. , 2019, , .		6
49	Transient Behaviors of Multiscale Megawatt Power Electronics Systemsâ€”Part I: Characteristics and Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 7-17.	5.4	20
50	Comprehensive comparison and analysis of non-inverting buck boost and conventional buck boost converters. Journal of Engineering, 2019, 2019, 3030-3034.	1.1	31
51	Discrete State Event-Driven Framework With a Flexible Adaptive Algorithm for Simulation of Power Electronic Systems. IEEE Transactions on Power Electronics, 2019, 34, 11692-11705.	7.9	26
52	Life cycle assessment and tempo-spatial optimization of deploying dynamic wireless charging technology for electric cars. Transportation Research Part C: Emerging Technologies, 2019, 100, 53-67.	7.6	38
53	Guest Editorial: Special Section on Transient Behaviors of Multi-Timescale Megawatt Power Electronics Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 4-6.	5.4	0
54	Transient Behaviors of Multiscale Megawatt Power Electronics Systemsâ€”Part II: Design Techniques and Practical Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 18-29.	5.4	8

#	ARTICLE	IF	CITATIONS
55	Design of the Neutral Line Inductor for Three-phase Four-leg Inverters. , 2019, , .		1
56	Dynamic Modeling and Analysis of Multi-receiver Wireless Power Transfer System. , 2019, , .		1
57	Discrete State Event-Driven Approach for High-Power Converter Simulations. , 2019, , .		5
58	A Novel Digital Active Gate Driver For High-Power IGBT To Reduce Switching Losses And Stresses. , 2019, , .		4
59	Discrete State Event-Driven Framework for Simulation of Switching Transients in Power Electronic Systems. , 2019, , .		6
60	Self-Correction and Dead-Beat Current Control Strategy for Digital Programmed Boost Converter. , 2019, , .		4
61	Piecewise Analytical Transient Model for Power Switching Device Commutation Unit. IEEE Transactions on Power Electronics, 2019, 34, 5720-5736.	7.9	44
62	Startup Strategy With Constant Peak Transformer Current for Solid-State Transformer in Distribution Network. IEEE Transactions on Industry Applications, 2019, 55, 1740-1751.	4.9	11
63	Current Stress Minimization of Dual-Active-Bridge DC-DC Converter Within the Whole Operating Range. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 129-142.	5.4	86
64	Analysis of transmitter-side control methods in wireless EV charging systems. Science China Technological Sciences, 2018, 61, 1492-1501.	4.0	5
65	Research on Rotor Flux Observer for Extended Complex Kalman Filter of Asynchronous Motor. Lecture Notes in Electrical Engineering, 2018, , 303-315.	0.4	1
66	Transmitter-Side Control of Both the CC and CV Modes for the Wireless EV Charging System With the Weak Communication. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 955-965.	5.4	55
67	Current Stress Optimization and Efficiency Increase of DAB with Triple-Phase-Shift Control Based on 2-Dimensional Ergodicity Method. , 2018, , .		2
68	Analysis and Suppressing Method of Magnetizing Bias on High Frequency Transformer in Electric Energy Router. , 2018, , .		5
69	Phase Synchronization of Control Signals Based on Perturbation and Observation for Bidirectional Wireless Power Transfer System. , 2018, , .		1
70	A Novel Hierarchical Control Scheme for Solid-State Transformer Interfaced PV and Storage System. , 2018, , .		1
71	Synergetic Control of High-Frequency-Link Based Multi-Port Solid State Transformer. , 2018, , .		15
72	A Coordinate and Distributed Control Scheme for Multilevel and Multi-Stage Medium Voltage Solid State Transformer. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
73	Trajectory-Prediction-Based Fast Bidirectional Power Transient Control for Series Resonant Dual-Active-Bridge Converter. , 2018, , .		11
74	Comparative Evaluation of Isolated Bidirectional DC/DC Converter in High-Power High-Frequency Occasions. , 2018, , .		3
75	A Bidirectional Wireless Power Transfer System Control Strategy Independent of Real-Time Wireless Communication. , 2018, , .		3
76	An Analytical Methodology to Evaluate the THD of High Power Class D Amplifiers. , 2018, , .		1
77	An FPGA-Based Voltage Balancing Control for Multi-HV-IGBTs in Series Connection. IEEE Transactions on Industry Applications, 2018, 54, 4640-4649.	4.9	28
78	An Improved Phase-Shifted Carrier Modulation Scheme for a Hybrid Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2017, 32, 81-97.	7.9	62
79	Transmission Loss Optimization-Based Optimal Power Flow Strategy by Hierarchical Control for DC Microgrids. IEEE Transactions on Power Electronics, 2017, 32, 1952-1963.	7.9	89
80	Load characteristics of wireless power transfer system with different resonant types and resonator numbers. AIP Advances, 2017, 7, 056601.	1.3	2
81	A novel controller of a battery-supercapacitor hybrid energy storage system for domestic applications. Energy and Buildings, 2017, 141, 167-174.	6.7	36
82	Energy balanced design and control for converters with natural trajectory tracking. , 2017, , .		0
83	Fault-Tolerant Control of MMC With Hot Reserved Submodules Based on Carrier Phase Shift Modulation. IEEE Transactions on Power Electronics, 2017, 32, 6778-6791.	7.9	102
84	An experimental method for extracting stray inductance of bus bars without high bandwidth current measurement. , 2017, , .		6
85	PM material analysis of permanent magnet synchronous generator in wind turbines. , 2017, , .		2
86	Startup strategy with constant peak transformer current for hybrid multilevel energy router. , 2017, , .		4
87	Simplified model of multi-port energy router in 10kV distribution network. , 2017, , .		3
88	Dual-timescale control for power electronic zigzag transformer. CES Transactions on Electrical Machines and Systems, 2017, 1, 315-321.	3.5	1
89	Finite-state-machine model of boundary control for dual-active-bridge converter. , 2017, , .		3
90	Power losses of Si/SiC semiconductors in medium voltage energy router sub-modules with hybrid topology. , 2017, , .		1

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91	An improved submodule unified pulse modulation scheme for a hybrid modular multilevel converter. CES Transactions on Electrical Machines and Systems, 2017, 1, 322-333.	3.5	3
92	Modeling and analysis of wireless power transfer system with constant-voltage source and constant-current load. , 2017, , .		9
93	A comprehensive study on the gate-loop stability of the SiC MOSFET. , 2017, , .		17
94	A novel simulation method for power electronics: discrete state event driven method. CES Transactions on Electrical Machines and Systems, 2017, 1, 273-282.	3.5	4
95	Modelling and Analysis of Radial Flux Surface Mounted Direct-Driven PMSG in Small Scale Wind Turbine. Advances in Science, Technology and Engineering Systems, 2017, 2, 94-99.	0.5	0
96	Combined DC voltage control scheme for three-port energy router based on instantaneous energy balance. , 2016, , .		10
97	A selection method of mutual inductance identification models based on sensitivity analysis for wireless electric vehicles charging. , 2016, , .		8
98	Comparative study of current control methods for a 5kW wireless EV charging system. , 2016, , .		2
99	A comparative study of load characteristics of resonance types in wireless transmission systems. , 2016, , .		7
100	Fault detection and tolerant control of open-circuit failure in MMC with full-bridge sub-modules. , 2016, , .		12
101	A Step-Variable Soft Start Control Method Applied to Boost Type PFC Rectifier. , 2016, , .		3
102	Design analysis of direct-driven PMSG in wind turbine application. , 2016, , .		5
103	Comparison of two bidirectional wireless power transfer control methods. , 2016, , .		5
104	Energy-balance based prediction for boost converters. , 2016, , .		0
105	Application research of passive-network-based high power factor rectifier in variable frequency avionics system. , 2016, , .		0
106	A review of wireless power transfer for electric vehicles: Prospects to enhance sustainable mobility. Applied Energy, 2016, 179, 413-425.	10.1	336
107	An improved phase-shifted carrier-based modulation and loss distribution analysis for MMC using full bridge sub-modules. , 2016, , .		4
108	Active voltage balancing control for multi HV-IGBTs in series connection. , 2016, , .		2

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109	Fault tolerant control of MMC with redundant submodules based on carrier phase shift modulation. , 2016, , .		3
110	Active voltage balancing control for 10kV three-level converter using series-connected HV-IGBTs. , 2016, , .		7
111	Closed-Form Oriented Modeling and Analysis of Wireless Power Transfer System With Constant-Voltage Source and Load. IEEE Transactions on Power Electronics, 2016, 31, 3472-3481.	7.9	70
112	Coupled Inductors in Interleaved Multiphase Three-Level DCâ€“DC Converter for High-Power Applications. IEEE Transactions on Power Electronics, 2016, 31, 120-134.	7.9	45
113	Transient Performance Improvement in the Boundary Control of Boost Converters using Synthetic Optimized Trajectory. Journal of Power Electronics, 2016, 16, 584-597.	1.5	2
114	Overview on reliability of modular multilevel cascade converters. Chinese Journal of Electrical Engineering, 2015, 1, 37-49.	3.4	17
115	Quasi-uniform magnetic field generated by multiple transmitters of magnetically-coupled resonant wireless power transfer. , 2015, , .		4
116	Physical model with parameter extraction method for Fuji Electric 1.7kV IGBT. , 2015, , .		3
117	Analysis of the passive transient damping branch for suppressing the current spike and oscillation. , 2015, , .		2
118	Precise control law of MMC and its application in reducing capacitor voltage ripple by injecting circulating current. , 2015, , .		10
119	Series-Connected HV-IGBTs Using Active Voltage Balancing Control With Status Feedback Circuit. IEEE Transactions on Power Electronics, 2015, 30, 4165-4174.	7.9	95
120	Laminated busbar design and stray parameter analysis of three-level converter based on HVIGBT series connection. , 2015, , .		7
121	Increasing power level of resonant wireless power transfer with relay resonators by considering resonator current amplitudes. , 2015, , .		3
122	A utility and accurate electrical loss model and application for induction motors utilizing 2-D finite element analysis. , 2015, , .		6
123	High efficient common-mode current suppression SVM method for three-phase three-level transformer-less photovoltaic inverters. , 2015, , .		4
124	Design and implementation of high efficient two-stage three-phase/level isolated PV converter. , 2015, , .		5
125	Line loss optimization based OPF strategy by hierarchical control for DC microgrid. , 2015, , .		9
126	Maximum efficiency point tracking of the wireless power transfer system for the battery charging in electric vehicles. , 2015, , .		19



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127	Numerical studies on dual-band electromagnetic energy harvesting with double-ring split-ring resonators. , 2015, , .		0
128	Design and implementation of AC-DC hybrid multi-port energy router for power distribution networks. , 2015, , .		12
129	An accurate stray loss calculation method of squirrel-cage induction motors for efficiency optimization. , 2015, , .		8
130	An energy-based multi-loops control strategy for modular multilevel converter. , 2015, , .		2
131	Direct Power Control Based on Natural Switching Surface for Three-Phase PWM Rectifiers. IEEE Transactions on Power Electronics, 2015, 30, 2918-2922.	7.9	54
132	Energy Feed-Forward and Direct Feed-Forward Control for Solid-State Transformer. IEEE Transactions on Power Electronics, 2015, 30, 4042-4047.	7.9	68
133	The Impact of Nonlinear Junction Capacitance on Switching Transient and Its Modeling for SiC MOSFET. IEEE Transactions on Electron Devices, 2015, 62, 333-338.	3.0	121
134	Employing Load Coils for Multiple Loads of Resonant Wireless Power Transfer. IEEE Transactions on Power Electronics, 2015, 30, 6174-6181.	7.9	46
135	Wireless Power Transfer to Multiple Loads Over Various Distances Using Relay Resonators. IEEE Microwave and Wireless Components Letters, 2015, 25, 337-339.	3.2	74
136	Iron loss evaluation and comparison in application of reduced common mode voltage PWM methods. , 2015, , .		0
137	Quantitative Analysis of System Efficiency and Output Power of Four-Coil Resonant Wireless Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 184-190.	5.4	34
138	Selective Wireless Power Transfer to Multiple Loads Using Receivers of Different Resonant Frequencies. IEEE Transactions on Power Electronics, 2015, 30, 6001-6005.	7.9	162
139	Tradeoff between the Output Voltage Deviation and Recovery Time of Boost Converters. Journal of Power Electronics, 2015, 15, 338-345.	1.5	3
140	A damping injection control of isolated bidirectional DC-DC converters based on the load parameter identification. , 2014, , .		1
141	Impact of reduced common mode voltage PWM and common mode inductor on EMI characteristics of an inverter-driven motor. , 2014, , .		0
142	Series-connected HV-IGBTs using active voltage control with status feedback circuit. , 2014, , .		2
143	Frequency Splitting Analysis of Two-Coil Resonant Wireless Power Transfer. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 400-402.	4.0	98
144	A combined PWM algorithm to eliminate spikes of common mode voltages. , 2014, , .		0

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145	Modularized high frequency high power 3-level neutral point clamped PEBB cell for renewable energy system. , 2014, , .		4
146	Parameter Design of a Three-Level Converter Based on Series-Connected HV-IGBTs. IEEE Transactions on Industry Applications, 2014, 50, 3943-3954.	4.9	12
147	Experimental research on stray inductance extraction of planar bus bars based on HVIGBT dynamic characteristics. , 2014, , .		4
148	Research on HVIGBT transient mixture model and parameter extraction method. , 2014, , .		5
149	Transient power balance based control for buck converters. , 2014, , .		3
150	A new power circuit topology for energy router. , 2014, , .		8
151	Design and implementation of three-phase two-bridge advanced neutral point clamped three-level photovoltaic inverter. , 2014, , .		2
152	Simulation analysis of active clamping circuit with status feedback for HV-IGBTs. , 2014, , .		1
153	Impact of source internal resistance on efficiency of four resonant wireless power transfer topologies. , 2014, , .		0
154	Behavior model for series connected high voltage IGBTs. , 2014, , .		3
155	RF energy harvesting with broadband antenna. , 2014, , .		2
156	Modeling of SiC MOSFET in Matlab/Simulink. , 2014, , .		1
157	Phase-shift control of isolated bidirectional DC-DC converters for unidirectional power flow. , 2014, , .		0
158	Coupled inductors in interleaved multiphase three-level DC-DC converter for high power energy storage applications. , 2014, , .		3
159	Reducing the impact of source internal resistance by source coil in resonant wireless power transfer. , 2014, , .		10
160	Frequency Decrease Analysis of Resonant Wireless Power Transfer. IEEE Transactions on Power Electronics, 2014, 29, 1058-1063.	7.9	182
161	A Novel Soft-Switching Boost Converter With Magnetically Coupled Resonant Snubber. IEEE Transactions on Power Electronics, 2014, 29, 5680-5687.	7.9	22
162	An Improved DC-Link Voltage Fast Control Scheme for a PWM Rectifier-Inverter System. IEEE Transactions on Industry Applications, 2014, 50, 462-473.	4.9	45

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163	New Hybrid Damping Strategy for Grid-Connected Photovoltaic Inverter With LCL Filter. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-8.	1.7	26
164	Physical Model Analysis During Transient for Series-Connected HVIGBTs. IEEE Transactions on Power Electronics, 2014, 29, 5727-5737.	7.9	25
165	Frequency-Splitting Analysis of Four-Coil Resonant Wireless Power Transfer. IEEE Transactions on Industry Applications, 2014, 50, 2436-2445.	4.9	119
166	Active Clamping Circuit With Status Feedback for Series-Connected HV-IGBTs. IEEE Transactions on Industry Applications, 2014, 50, 3579-3590.	4.9	60
167	Decoupled direct power control based on improved sector selection algorithm for three-level grid-connected inverter. , 2014, , .		2
168	MPPT techniques for photovoltaic applications. Renewable and Sustainable Energy Reviews, 2013, 25, 793-813.	16.4	367
169	Analysis of the Double-Layer Printed Spiral Coil for Wireless Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2013, 1, 114-121.	5.4	128
170	Frequency splitting analysis of magnetically-coupled resonant wireless power transfer. , 2013, , .		25
171	Research on impacts of different parameters on transient power loss of IGBT. , 2013, , .		4
172	Study on DC busbar structure considering stray inductance for the back-to-back IGBT-based converter. , 2013, , .		6
173	Uncoupled direct power control based on improved sector selection algorithm for three-level PWM rectifier. , 2013, , .		1
174	HVIGBT Physical Model Analysis During Transient. IEEE Transactions on Power Electronics, 2013, 28, 2616-2624.	7.9	33
175	A novel power management strategy for single phase storage-equipped grid-connected PV generation system. , 2013, , .		0
176	Carrier based implementation of reduced common mode voltage PWM strategies. , 2013, , .		7
177	Design of voltage balancing control circuit for series connected HV-IGBTs. , 2013, , .		3
178	Implementation of a novel source current detection control strategy for LCL filter-based shunt active power filter. , 2013, , .		0
179	Safe stop-pulsing strategy for IGCT-based three-level neutral point clamped inverters. , 2013, , .		0
180	Improvement for planar bus bars of high power inverters based on segmented evaluation of stray parameters. , 2013, , .		6

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181	Analysis of structure and parameters in wireless power transmission system with consideration of losses in source. , 2013, , .		0
182	TABLEâ€BASED direct power control for threeâ€level neutral pointâ€clamped pulseâ€width modulated rectifier. IET Power Electronics, 2013, 6, 1555-1562.	2.1	47
183	Load matching analysis of magnetically-coupled resonant wireless power transfer. , 2013, , .		20
184	Series connected photovoltaic power inverter. , 2013, , .		0
185	Modelling of high voltage IGBT with easy parameter extraction. , 2012, , .		0
186	Structure design and analysis of high voltage IGBTs series connection experimental platform. , 2012, , .		2
187	Design and implementation of photovoltaic lighting system with high luminous efficacy LEDs. , 2012, , .		1
188	Parameter design of voltage balancing circuit for series connected HV-IGBTs. , 2012, , .		16
189	An improved DC-link voltage fast control scheme for a PWM rectifier-inverter system. , 2012, , .		0
190	Hybrid Selective Harmonic Elimination PWM for Common-Mode Voltage Reduction in Three-Level Neutral-Point-Clamped Inverters for Variable Speed Induction Drives. IEEE Transactions on Power Electronics, 2012, 27, 1152-1158.	7.9	97
191	An Improved Direct Torque Control for Three-Level Inverter-Fed Induction Motor Sensorless Drive. IEEE Transactions on Power Electronics, 2012, 27, 1502-1513.	7.9	238
192	Impact of inverter configuration on energy cost of grid-connected photovoltaic systems. Renewable Energy, 2012, 41, 328-335.	8.9	37
193	An improved virtual resistance damping method for grid-connected inverters with LCL filters. , 2011, , .		32
194	A predictive DC voltage control scheme for back-to-back converters based on energy balance modeling. , 2011, , .		11
195	Design, simulation and analysis of the low stray inductance bus bar for voltage source inverters. , 2011, , .		12
196	A DC-link voltage control scheme for single-phase grid-connected PV inverters. , 2011, , .		25
197	An Enhanced DC Preexcitation With Effective Flux-Linkage Control for the High-Power Induction Motor Drive System. IEEE Transactions on Power Electronics, 2011, 26, 2375-2380.	7.9	5
198	Modeling and analyzing to the forward PV cells for large-scale PV array. , 2011, , .		2

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199	Modeling and analysis of MW-level grid-connected PV plant. , 2011, , .		4
200	A Hybrid PWM Applied to High-Power Three-Level Inverter-Fed Induction-Motor Drives. IEEE Transactions on Industrial Electronics, 2011, 58, 3409-3420.	7.9	122
201	Mathematical Models of the System-Level Safe Operational Areas of Power Electronic Converters in Plug-In Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2011, 60, 4288-4298.	6.3	6
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