Dehong Xu

List of Publications by Year
in descending order

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293 papers	5,646 citations	126858 33 h-index	102432 66 g-index
303 all docs	303 docs citations	303 times ranked	3770 citing authors

#	Article	IF	Citations
1	A DC Solid-State Transformer With DC Fault Ride-Through Capability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3617-3630.	3.7	5
2	A Fixed Frequency Zero-Voltage-Switching On-Board EV Charger. IEEE Open Journal of Power Electronics, 2022, 3, 75-83.	4.0	4
3	Analysis and Design of Zero-Voltage-Switching Multiphase AC/DC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6495-6510.	3.7	4
4	Reconfigurable Resonant Topology Linking Two-, Three-, and Four-Coil Modes for WPT With Large Coupling Range and Fixed Frequency. IEEE Transactions on Power Electronics, 2022, 37, 8713-8725.	5.4	6
5	A Coil Positioning Method Integrated With an Orthogonal Decoupled Transformer for Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2022, 37, 9983-9998.	5.4	14
6	An Inductive Power Transfer Charging System With a Multiband Frequency Tracking Control for Misalignment Tolerance. IEEE Transactions on Power Electronics, 2022, 37, 11342-11355.	5.4	13
7	Design and Implementation of a High-Power Modular WPT System. , 2022, , .		2
8	EMI model of Air-conditioning Outdoor Machines. , 2022, , .		2
9	Zero-Voltage-Switching Single-Phase Full-Bridge Inverter With Active Power Decoupling. IEEE Transactions on Power Electronics, 2021, 36, 571-582.	5.4	16
10	A 3-kW Two-Stage Transformerless PV Inverter With Resonant DC Link and ZVS-PWM Operation. IEEE Transactions on Industry Applications, 2021, 57, 1495-1506.	3.3	11
11	Characteristics of SiC inverter powertrains on common-mode EMI noise. Journal of Power Electronics, 2021, 21, 354-363.	0.9	4
12	Current Overshoot Suppression of Wireless Power Transfer Systems With onâ€"off Keying Modulation. IEEE Transactions on Power Electronics, 2021, 36, 2676-2684.	5.4	18
13	Intrinsic losses in photovoltaic laser power converters. Applied Physics Letters, 2021, 118, .	1.5	11
14	Coil-Splitting Based Dynamic WPT with Multiple Transmitter Coils in Parallel. , 2021, , .		1
15	A Design Method for Large-Coupling-Range Series-Series Compensated WPT Systems under Practical Constraints. , 2021, , .		0
16	Generalized Space-Vector-Modulation Method for Soft-Switching Three-Phase Inverters. IEEE Transactions on Power Electronics, 2021, 36, 6030-6045.	5.4	16
17	Zero-voltage-switching Three-phase T-type Inverter. , 2021, , .		1
18	Design of Low Parasitic Inductance Three-level T-type SiC-MOS/Si-IGBT Module. , 2021, , .		1

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19	Design and Testing of a Medium Frequency Transformer. , 2021, , .		6
20	Suppression Switching Ringing of SiC-MOSFET Inverters with Combined Design of DC Bus Snubber and Gate Drive. , 2021, , .		3
21	Power Decoupling Control for Single-Stage On-Board Chargers. , 2021, , .		4
22	A GaN Totem-Pole PFC Converter with Zero-Voltage-Switching PWM Control. , 2021, , .		7
23	Analysis, Design, and Implementation of a Spatially Nested Magnetic Integration Method for Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2021, 36, 7537-7549.	5.4	9
24	A 50-kW Three-Channel Wireless Power Transfer System With Low Stray Magnetic Field. IEEE Transactions on Power Electronics, 2021, 36, 9941-9954.	5.4	28
25	Analytical Calculation of the Residual ZVS Losses of TCM-Operated Single-Phase PFC Rectifiers. IEEE Open Journal of Power Electronics, 2021, 2, 250-264.	4.0	19
26	A Soft Start Approach of Solid-State Transformer. , 2021, , .		2
27	A Frequency Tuning Series-Series WPT System with Wide Coupling and Load Ranges. , 2021, , .		1
28	System-Level Conducted EMI Model for SiC Powertrain of Electric Vehicles. , 2020, , .		6
29	Decoupling control of modular WPT systems. , 2020, , .		1
30	A General Pulse Width Modulation Method for Zero-Voltage-Switching Active-clamping Three-phase Power Converters: Edge Aligned Pulse Width Modulation (EA-PWM). IEEE Open Journal of Power Electronics, 2020, 1, 250-259.	4.0	19
31	An Orthogonal Decoupled Transformer Design for Inductive Power Transfer Applications. , 2020, , .		2
32	Novel ZVS S-TCM Modulation of Three-Phase AC/DC Converters. IEEE Open Journal of Power Electronics, 2020, 1, 529-543.	4.0	32
33	An Integrated Inductive Power Transfer System Design With a Variable Inductor for Misalignment Tolerance and Battery Charging Applications. IEEE Transactions on Power Electronics, 2020, 35, 11544-11556.	5.4	41
34	An Optimization Design for Transformer and Output Filter of a Micro-inverter with Passive Integration Technique. IEEJ Journal of Industry Applications, 2020, 9, 254-262.	0.9	1
35	Effectiveness Analysis of SiC MOSFET Switching Oscillation Damping. , 2020, , .		3
36	Fault Tolerance Scheme for a DC Solid State Transformer. , 2020, , .		0

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37	Edge Aligned PWM for Soft-switching Three-phase Power Converters. , 2020, , .		2
38	Suppressing EMI Noise to CAN Communication by Using Active Gate Driver. , 2020, , .		4
39	An Optimization Design Method of Front-stage DC/DC Converters for PV System. , 2020, , .		1
40	20-kW Zero-Voltage-Switching SiC-mosfet Grid Inverter With 300 kHz Switching Frequency. IEEE Transactions on Power Electronics, 2019, 34, 5175-5190.	5.4	102
41	Generic Derivation of Optimal Architecture for A Resilient Microgrid with Graph Theory. , 2019, , .		3
42	A Short-Circuit Fault-Tolerant Strategy for Three-Phase Four-Wire Flying Capacitor Three-Level Inverters. , 2019, , .		7
43	Soft-switching SiC power electronic conversion for distributed energy resources and storage applications. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1340-1354.	3.3	4
44	Universal Zero-Voltage-Switching Technique for Multi-phase AC/DC Converter. , 2019, , .		3
45	Special Section on Resonant and Soft-Switching Techniques With Wide Bandgap Devices. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 606-608.	3.7	2
46	Zero-Voltage-Switching SiC-MOSFET Three-Phase Four-Wire Back-to-Back Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 722-735.	3.7	20
47	A Novel Zero-Voltage-Switching On-Board EV Charger. , 2019, , .		1
48	An Integrated Structure for Transformer and Output Filter of a Micro-inverter with Flexible Multilayer Foil Technique. , 2019, , .		2
49	Precise General Modeling of Windings for Wireless Power Transfer. , 2019, , .		0
50	Magnetic Stray Field Attenuation in High-Power WPT Systems based on Modular Concept. , 2019, , .		1
51	Integration of Minimum-Voltage Active-Clamping to Three-Phase Four-Wire Rectifiers with a Balancing Leg. , 2019, , .		0
52	Zero-sequence Component Injection ZVS-PWM for Three-phase Grid Inverter with Arbitrary Power Factor Angle. , 2019, , .		0
53	Fast Fault Protection Based on Direction of Fault Current for the High-Surety Power-Supply System. IEEE Transactions on Power Electronics, 2019, 34, 5787-5802.	5.4	17
54	Safe Startup Method for Zero-Voltage-Switching MOSFET Grid Inverter. IEEE Transactions on Power Electronics, 2019, 34, 8749-8761.	5.4	6

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55	Efficiency Improvement of Grid Inverters With Hybrid Devices. IEEE Transactions on Power Electronics, 2019, 34, 7558-7572.	5.4	18
56	An Optimization Design of Output Filter in a Grid Connected Inverter With Flexible Multilayer Foil Technique. IEEE Transactions on Energy Conversion, 2019, 34, 221-231.	3.7	11
57	Zero-Voltage-Switching Sinusoidal Pulsewidth Modulation Method for Three-Phase Four-Wire Inverter. IEEE Transactions on Power Electronics, 2019, 34, 7192-7205.	5.4	17
58	General Control Scheme for a Dual-Input Three-Level Inverter. IEEE Transactions on Power Electronics, 2019, 34, 1838-1850.	5.4	17
59	A ZVS-SVM Method for Grid Inverter with Extended Power Factor Angle. , 2019, , .		1
60	A Novel DC Current Injection Suppression Method for Three-Phase Grid-Connected Inverter Without the Isolation Transformer. IEEE Transactions on Industrial Electronics, 2018, 65, 8656-8666.	5.2	26
61	Zero-voltage-switching single-phase inverter with active power decoupling. , 2018, , .		3
62	A study on the shielding for wireless charging systems of electric vehicles. , 2018, , .		13
63	An Improved IGBT Short-Circuit Protection Method With Self-Adaptive Blanking Circuit Based on V CE Measurement. IEEE Transactions on Power Electronics, 2018, 33, 6126-6136.	5.4	35
64	A Stability Criterion Based on the Common Denominator of System-Level Transfer Functions for the Multiple Multifunctional Converters Systems. , 2018, , .		0
65	Maximum-Efficiency Operation of a 3.7 kW Inductive Wireless Charging System by Using On-Off Keying Modulation. , 2018, , .		5
66	Audio Noise-free UPS with Zero-Voltage-Switching Back-to-Back Converter. , 2018, , .		1
67	An Integrating Structure of Output Filter for Grid Connected Inverter Based on FMLF Technique. , 2018, , .		11
68	A Zero-Voltage-Switching Three-Phase Four-Wire Four-Leg Rectifier. , 2018, , .		3
69	A Dual-Energy-Source Uninterruptible Power Supply (UPS). , 2018, , .		4
70	Reducing Extended Magnetic Stray Field in Wireless Charging Systems of Electric Vehicles. , 2018, , .		1
71	A DC Solid State Transformer with DC Fault Ride-through Capability. , 2018, , .		3
72	Die Current Balancing of a Press-Pack SiC MOSFET. , 2018, , .		3

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73	Analysis of Press-Pack SiC MOEFETâ€™S Parasitic Resistance. , 2018, , .		2
74	Study on the Effect of Ferrite Layers in a Wireless Charging System with Automotive Chassis. , 2018, , .		4
75	Design Study of MW Photovoltaic Inverter. , 2018, , .		1
76	Impact of SiC MOSFET on PV Inverter. , 2018, , .		1
77	Wireless EV Charging System without Air-Gap and Misalignment. , 2018, , .		4
78	An Inductive Power Transfer System Design with Large Misalignment Tolerance for EV Charging. , 2018, , .		2
79	Pulse-width modulation scheme for a ZVS single-phase inverter in rectifier operation. , 2018, , .		5
80	Fault Analysis and Fault-Tolerant Design for Parallel Redundant Inverter Systems in Case of IGBT Short-Circuit Failures. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2031-2041.	3.7	27
81	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. IEEE Transactions on Power Electronics, 2017, 32, 2661-2674.	5.4	37
82	Modeling and Optimization of a Zero-Voltage Switching Inverter for High Efficiency and Miniaturization. IEEE Transactions on Power Electronics, 2017, 32, 150-163.	5.4	25
83	Zero-voltage-switching SPWM method for three-phase four-wire inverter. , 2017, , .		10
84	A Solution to Press-Pack Packaging of SiC MOSFETS. IEEE Transactions on Industrial Electronics, 2017, 64, 8224-8234.	5.2	71
85	Converter design of square wave micro-grid in rural areas. , 2017, , .		1
86	Unified control scheme design for both the PWM rectifier and the inverter in the uninterruptible power supply (UPS) system. , 2017, , .		2
87	A simulation method to verify control programs for a UPS system. , 2017, , .		0
88	A fast fault protection based on direction of bus-side capacitor discharge current for a high-surety power supply. , 2017, , .		2
89	V2G bi-directional battery charger with flexible AC/DC converter. , 2017, , .		6
90	Control of ZVS single-phase grid inverter with higher power quality. , 2017, , .		1

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91	Notice of Removal: Tutorial title: Isolated bi-directional DC/DC converter topologies and control. , 2017, , .		0
92	Microgrid for High-Surety Power: Architectures, Controls, Protection, and Demonstration. , 2017, , 355-392.		0
93	SiC MOSFET zero-voltage-switching SVM controlled three-phase grid inverter. , 2016, , .		3
94	Snubber capacitors optimization for super-junction MOSFET in the ZVS full-bridge inverter. , 2016, , .		3
95	Efficiency improvement of a SiC-MOSFET 500 kHz ZVS inverter. , 2016, , .		6
96	Design of zero-voltage-switching three-phase grid inverter. , 2016, , .		1
97	Design and evaluation of press-pack SiC MOSFET. , 2016, , .		6
98	Fault reconfiguration of Super Uninterruptible Power Supply. , 2016, , .		0
99	Experiment comparison of repetitive control and resonant control. , 2016, , .		2
100	Editorial Special Issue on Green Power Supplies. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 333-334.	3.7	1
101	A scalable route to prepare coreâ€"shell structured ZnO@PEDOT nanowires and PEDOT nanotubes and their properties as electrode materials. Applied Surface Science, 2016, 370, 102-110.	3.1	15
102	Common-Mode Filter Design for a Transformerless ZVS Full-Bridge Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 405-413.	3.7	22
103	A ZVS Grid-Connected Full-Bridge Inverter With a Novel ZVS SPWM Scheme. IEEE Transactions on Power Electronics, 2016, 31, 3626-3638.	5.4	69
104	Doubly Fed Induction Generator Wind Turbine Systems Subject to Recurring Symmetrical Grid Faults. IEEE Transactions on Power Electronics, 2016, 31, 1143-1160.	5.4	33
105	A startup scheme for zero-voltage-switching PV inverter. , 2015, , .		1
106	Efficiency improvement of 2- and 3-level inverters for distributed photovoltaic application using hybrid devices. , 2015, , .		13
107	Three-phase interleaved high step-up boost converter with voltage multiplier for fuel cell power system. , 2015, , .		1
108	Switching noise suppression for hybrid IGBT modules. , 2015, , .		2

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109	Design of hybrid AC-DC-AC topology for Uninterruptible Power Supply. , 2015, , .		3
110	Fault analysis on conventional parallel inverter systems. , 2015, , .		0
111	ZVS PWM scheme to suppress ground leakage currentof full-bridge grid inverter. , 2015, , .		1
112	Control of Doubly Fed Induction Generator to Ride Through Recurring Grid Faults. IEEE Transactions on Power Electronics, 2015, , 1-1.	5.4	20
113	High-surety Microgrid: Super Uninterruptable Power Supply with Multiple Renewable Energy Sources. Electric Power Components and Systems, 2015, 43, 839-853.	1.0	21
114	A new Zero Voltage Switching three-level NPC inverter. , 2015, , .		5
115	DC-link voltage control strategy of a bi-directional DC/DC converter for electric vehicles. , 2015, , .		11
116	A high power density and efficiency bi-directional DC/DC converter for electric vehicles. , 2015, , .		14
117	Topology of super uninterruptible power supply with multiple energy sources. , 2015, , .		11
118	Hybrid PWM Scheme for the Grid Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1151-1159.	3.7	16
119	Power control for dual-input DC/AC inverter. , 2015, , .		4
120	Fault tolerable Li-ion battery stack. , 2015, , .		1
121	Design Methodology of Resonant Inductor in a ZVS Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1142-1150.	3.7	14
122	A High Step-Up DC to DC Converter Under Alternating Phase Shift Control for Fuel Cell Power System. IEEE Transactions on Power Electronics, 2015, 30, 1694-1703.	5.4	45
123	A Novel Control Strategy of Suppressing DC Current Injection to the Grid for Single-Phase PV Inverter. IEEE Transactions on Power Electronics, 2015, 30, 1266-1274.	5.4	61
124	Solid State DC Circuit Breaker for Super Uninterruptible Power Supply. , 2014, , .		13
125	Substrate layout evaluation for T-type three-level IGBT modules. , 2014, , .		2
126	SiC full-bridge grid-tied inverter with ZVS-switching. , 2014, , .		8

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127	Interleaved Flyback Micro-inverter with SiC MOSFET. , 2014, , .		8
128	Suppressing the side effect of the grid background harmonics on grid inverter with selective harmonic elimination PWM. , 2014, , .		4
129	Capability of DFIG WTS to ride through recurring asymmetrical grid faults. , 2014, , .		1
130	Optimal parameters design for series-series resonant converter for wireless power transfer. , 2014, , .		6
131	Control strategy of Li-Ion Battery module in Super UPS. , 2014, , .		9
132	Leakage current suppression for transformerless ZVS full-bridge inverter. , 2014, , .		1
133	A bi-directional resonant DC/DC converter with frequency tracking control. , 2014, , .		13
134	Multi-Functional Bidirectional AC/DC T-type 3-Level Converter for Super UPS. , 2014, , .		1
135	A Zero-Voltage Switching Three-Phase Inverter. IEEE Transactions on Power Electronics, 2014, 29, 1200-1210.	5.4	95
136	A PFC Converter With Novel Integration of Both the EMI Filter and Boost Inductor. IEEE Transactions on Power Electronics, 2014, 29, 4485-4489.	5.4	40
137	Integration of Both EMI Filter and Boost Inductor for 1-kW PFC Converter. IEEE Transactions on Power Electronics, 2014, 29, 5823-5834.	5.4	51
138	Editorial: Special Issue on High-Frequency-Link Power-Conversion Systems, 2014. IEEE Transactions on Power Electronics, 2014, 29, 3849-3851.	5.4	3
139	Doubly fed induction generator based wind turbine systems subject to recurring grid faults. , 2014, , .		4
140	Design methodology of resonant inductor in a ZVS inverter. , 2014, , .		0
141	A two stage DC/dc converter with wide input range for EV. , 2014, , .		7
142	A novel control strategy to suppress DC current injection to the grid for three-phase PV inverter. , 2014, , .		9
143	A fault-tolerant T-type three-level inverter system. , 2014, , .		15
144	Survey on Fault-Tolerant Techniques for Power Electronic Converters. IEEE Transactions on Power Electronics, 2014, 29, 6319-6331.	5.4	459

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145	Comparison of control strategies for Doubly fed induction generator under recurring grid faults. , 2014, , .		5
146	Design and Analysis of Multiloop Controllers With DC Suppression Loop for Paralleled UPS Inverter System. IEEE Transactions on Industrial Electronics, 2014, 61, 6494-6506.	5.2	25
147	A Novel RPV (Reactive-Power-Variation) Antiislanding Method Based on Adapted Reactive Power Perturbation. IEEE Transactions on Power Electronics, 2013, 28, 4998-5012.	5.4	56
148	Comparison of control strategies for DFIG under symmetrical grid voltage dips. , 2013, , .		3
149	Weighted Average Current Control in a Three-Phase Grid Inverter With an LCL Filter. IEEE Transactions on Power Electronics, 2013, 28, 2785-2797.	5.4	73
150	An Improved Islanding Detection Method for a Grid-Connected Inverter With Intermittent Bilateral Reactive Power Variation. IEEE Transactions on Power Electronics, 2013, 28, 268-278.	5.4	88
151	DC-Voltage Fluctuation Elimination Through a DC-Capacitor Current Control for DFIG Converters Under Unbalanced Grid Voltage Conditions. IEEE Transactions on Power Electronics, 2013, 28, 3206-3218.	5.4	182
152	A novel control strategy to suppress DC current injection of single-phase PV inverter to the grid. , 2013, , .		4
153	A soft-switching full-bridge inverter with high efficiency. , 2013, , .		16
154	A component-minimized dual-output multilevel converter and its applications. , 2013, , .		0
155	A fuel cell uninterruptible power supply (FC-UPS) system. , 2013, , .		2
156	Seamless Transfer Control Strategy for Fuel Cell Uninterruptible Power Supply System. IEEE Transactions on Power Electronics, 2013, 28, 717-729.	5.4	83
157	A hybrid PWM modulation scheme for PV inverter. , 2013, , .		3
158	PFC converter with novel integration of both EMI filter and Boost inductors. , 2013, , .		12
159	High-reliability long-backup-time super UPS with multiple energy sources. , 2013, , .		17
160	Suppression of voltage harmonics in single-phase inverters based on multi-voltage control. , 2013, , .		3
161	Current dual-loop control for RPI with LCL filter in Micro-inverter. , 2013, , .		0
162	A novel dynamic control strategy on resisting impulsive load for uninterruptible power supply system. , 2013, , .		1

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163	Construction and control of a 30kW FC power system. , 2012, , .		0
164	Weighted Average Current control in three-phase grid inverter with LCL-filter. , 2012, , .		0
165	Optimized design of resonant controller for stator current harmonic compensation in DFIG wind turbine systems. , 2012, , .		15
166	A ZVS Grid-Connected Three-Phase Inverter. IEEE Transactions on Power Electronics, 2012, 27, 3595-3604.	5.4	60
167	A High-Efficiency Single-Phase AC/DC Converter With Enabling Window Control and Active Input Bridge. IEEE Transactions on Power Electronics, 2012, 27, 2912-2924.	5.4	13
168	Two-phase interleaved boost converter with voltage multiplier under APS control method for fuel cell power system. , 2012, , .		3
169	A new large DC gain converter based on a switched-capacitor-inductor circuit in conjunction with fuel cell. , 2012, , .		2
170	A novel DC loop current control strategy for paralleled UPS inverter system based on decoupled control scheme. , 2012, , .		3
171	Integration of both EMI filter and Boost inductor for 1 kW PFC converter. , 2012, , .		11
172	A novel RPV (reactive-power-variation) anti-islanding method based on adapted reactive power perturbation. , 2012, , .		2
173	A novel start-up scheme for modular multilevel converter. , 2012, , .		43
174	Study on an active clamping soft switching grid-connected inverter. , 2012, , .		7
175	Stator Current Harmonic Control With Resonant Controller for Doubly Fed Induction Generator. IEEE Transactions on Power Electronics, 2012, 27, 3207-3220.	5.4	304
176	A Novel DC-Side Zero-Voltage Switching (ZVS) Three-Phase Boost PWM Rectifier Controlled by an Improved SVM Method. IEEE Transactions on Power Electronics, 2012, 27, 4391-4408.	5.4	37
177	Stator harmonic current suppression for DFIG wind power system under distorted grid voltage. , 2012, , .		5
178	Understanding repetitive control and resonant control. , 2012, , .		3
179	Power devices loading in multilevel converters for 10 MW wind turbines. , 2011, , .		15
180	Design and control of bi-directional DC/DC converter for 30kW fuel cell power system. , 2011, , .		14

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181	A family of novel zero-voltage switching three-phase PWM converters topology for distributed generation. , 2011, , .		10
182	Design, Modeling, and Improvement of Integrated EMI Filter With Flexible Multilayer Foils. IEEE Transactions on Power Electronics, 2011, 26, 1344-1354.	5.4	60
183	High precision compensation for high power Hybrid Active Power Filter based on repetitive control algorithm. , 2011, , .		6
184	Power Management Unit With Its Control for a Three-Phase Fuel Cell Power System Without Large Electrolytic Capacitors. IEEE Transactions on Power Electronics, 2011, 26, 3766-3777.	5.4	55
185	High efficiency PFC with Enabling Window Control and active input bridge. , 2011, , .		2
186	Neutral point voltage control for three-level fuel cell power conversion system. , 2010, , .		5
187	Modelling and simulation of a portable fuel cell system. , 2010, , .		3
188	Investigation to power conversion topology for fuel cell power generation system. , 2010, , .		7
189	A novel active clamping zero-voltage switching Grid-connected three-phase inverter. , 2010, , .		5
190	Fuel cell UPS system without bulky DC electrolytic capacitors. , 2010, , .		4
191	Applying a novel PMU to replace the large DC bus electrolytic capacitors in Fuel Cell power generation system. , 2010, , .		1
192	The status of power electronics research and application in China. , 2010, , .		1
193	A New Feedback Method for PR Current Control of LCL-Filter-Based Grid-Connected Inverter. IEEE Transactions on Industrial Electronics, 2010, 57, 2033-2041.	5.2	424
194	Design of the Dynamic Power Compensation for PEMFC Distributed Power System. IEEE Transactions on Industrial Electronics, 2010, 57, 1935-1944.	5.2	39
195	Design and experiment research of integrated EMI filter based on flexible multi-layer foils. , 2010, , .		10
196	Flexible control of DC-link voltage for doubly fed induction generator during grid voltage swell. , 2010, , .		17
197	Study on neutral-point voltage balance of 3-level NPC inverter in 3-phase 4-wire system. , 2010, , .		5
198	Current control optimization for grid-tied inverters with grid impedance estimation. , 2010, , .		16

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199	Evaluation of AFD islanding detection methods based on NDZs described in power mismatch space. , 2009, , .		3
200	A Novel Minimum Voltage Active Clamping SVM (MVAC-SVM) Controlled Three-Phase PFC. , 2009, , .		2
201	A Novel 40KW ZVS-SVM Controlled Three-Phase Boost PFC Converter. , 2009, , .		2
202	The evaluation of control strategies for Auxiliary Resonant Commutated Pole inverter. , 2009, , .		13
203	Modeling of integrated EMI filter with flexible multi-layer (FML) foils. , 2009, , .		1
204	A low cost solution to grid-connected distributed generation inverters. , 2009, , .		0
205	A Novel Accurate Active and Reactive Power Calculation Method for Paralleled UPS System. , 2009, , .		8
206	Analysis of the Non-detection Zone with Passive Islanding Detection Methods for Current Control DG System. , 2009, , .		7
207	A New Current Feedback PR Control Strategy for Grid-Connected VSI with an LCL Filter. , 2009, , .		23
208	Modeling of integrated EMI filter with flexible multi-layer (FML) foils. , 2009, , .		2
209	An integrating structure of EMI filter based on interleaved flexible multi-layer (FML) foils. , 2009, , .		13
210	Soft-switching dual forward DC/DC converters employing secondary side control. , 2009, , .		2
211	The Influence and Design Consideration of UPS Output Virtual Resistance on Parallel-Connected UPS System. , 2009, , .		7
212	A magnetic integration structure for the buck-cascaded half-bridge DC-DC converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
213	Study of bi-directional buck-boost converter with different control methods. , 2008, , .		9
214	A novel neutral current control strategy for the three-phase four-wire boost PFC converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	5
215	An Improved Control Strategy for Grid-Connected Voltage Source Inverters With an LCL Filter. IEEE Transactions on Power Electronics, 2008, 23, 1899-1906.	5.4	286
216	An improved harmonic detection based on lead compensation for active power filter. , 2008, , .		2

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217	Modeling and control of aggregated Super-Capacitor Energy Storage system for wind power generation. , 2008, , .		11
218	Applying SMES to smooth short-term power fluctuations in wind farms. , 2008, , .		13
219	Utilizing Flexible Printed Circuit Board (FPCB) to realize passives integration in LLC resonant converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	13
220	Energy management design for a 5kW fuel cell distributed power system. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	7
221	Impact of dielectric material on passive integration in LLC resonant converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	16
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