

Dehong Xu

List of Publications by Year in descending order

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293
papers

5,646
citations

126901

33
h-index

102480

66
g-index

303
all docs

303
docs citations

303
times ranked

3770
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on Fault-Tolerant Techniques for Power Electronic Converters. IEEE Transactions on Power Electronics, 2014, 29, 6319-6331.	7.9	459
2	A New Feedback Method for PR Current Control of LCL-Filter-Based Grid-Connected Inverter. IEEE Transactions on Industrial Electronics, 2010, 57, 2033-2041.	7.9	424
3	Stator Current Harmonic Control With Resonant Controller for Doubly Fed Induction Generator. IEEE Transactions on Power Electronics, 2012, 27, 3207-3220.	7.9	304
4	An Improved Control Strategy for Grid-Connected Voltage Source Inverters With an LCL Filter. IEEE Transactions on Power Electronics, 2008, 23, 1899-1906.	7.9	286
5	A PWM Plus Phase-Shift Control Bidirectional DC-DC Converter. IEEE Transactions on Power Electronics, 2004, 19, 666-675.	7.9	236
6	Modeling, analysis, and implementation of parallel multi-inverter systems with instantaneous average-current-sharing scheme. IEEE Transactions on Power Electronics, 2003, 18, 844-856.	7.9	234
7	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.	7.9	182
8	Actively clamped bidirectional flyback converter. IEEE Transactions on Industrial Electronics, 2000, 47, 770-779.	7.9	142
9	20-kW Zero-Voltage-Switching SiC-mosfet Grid Inverter With 300 kHz Switching Frequency. IEEE Transactions on Power Electronics, 2019, 34, 5175-5190.	7.9	102
10	A Zero-Voltage Switching Three-Phase Inverter. IEEE Transactions on Power Electronics, 2014, 29, 1200-1210.	7.9	95
11	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.	7.9	88
12	Seamless Transfer Control Strategy for Fuel Cell Uninterruptible Power Supply System. IEEE Transactions on Power Electronics, 2013, 28, 717-729.	7.9	83
13	Weighted Average Current Control in a Three-Phase Grid Inverter With an LCL Filter. IEEE Transactions on Power Electronics, 2013, 28, 2785-2797.	7.9	73
14	A Solution to Press-Pack Packaging of SiC MOSFETS. IEEE Transactions on Industrial Electronics, 2017, 64, 8224-8234.	7.9	71
15	A ZVS Grid-Connected Full-Bridge Inverter With a Novel ZVS SPWM Scheme. IEEE Transactions on Power Electronics, 2016, 31, 3626-3638.	7.9	69
16	Design and analysis of an optimal controller for parallel multi-inverter systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 56-61.	2.2	65
17	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.	7.9	61
18	Design, Modeling, and Improvement of Integrated EMI Filter With Flexible Multilayer Foils. IEEE Transactions on Power Electronics, 2011, 26, 1344-1354.	7.9	60

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19	A ZVS Grid-Connected Three-Phase Inverter. IEEE Transactions on Power Electronics, 2012, 27, 3595-3604.	7.9	60
20	A Novel RPV (Reactive-Power-Variation) Antiislanding Method Based on Adapted Reactive Power Perturbation. IEEE Transactions on Power Electronics, 2013, 28, 4998-5012.	7.9	56
21	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.	7.9	55
22	1MHz-1kW LLC Resonant Converter with Integrated Magnetics. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	51
23	Integration of Both EMI Filter and Boost Inductor for 1-kW PFC Converter. IEEE Transactions on Power Electronics, 2014, 29, 5823-5834.	7.9	51
24	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.	7.9	45
25	A Zero Voltage Switching SVM (ZVSâ€“SVM) Controlled Three-Phase Boost Rectifier. IEEE Transactions on Power Electronics, 2007, 22, 978-986.	7.9	44
26	A novel start-up scheme for modular multilevel converter. , 2012, , .		43
27	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.	7.9	41
28	A PFC Converter With Novel Integration of Both the EMI Filter and Boost Inductor. IEEE Transactions on Power Electronics, 2014, 29, 4485-4489.	7.9	40
29	Design of the Dynamic Power Compensation for PEMFC Distributed Power System. IEEE Transactions on Industrial Electronics, 2010, 57, 1935-1944.	7.9	39
30	Analogue implementation of a neural network controller for UPS inverter applications. IEEE Transactions on Power Electronics, 2002, 17, 305-313.	7.9	38
31	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.	7.9	37
32	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.	7.9	37
33	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.	7.9	35
34	Design and Implementation of an Accurately Regulated Multiple Output ZVS DCâ€“DC Converter. IEEE Transactions on Power Electronics, 2007, 22, 1731-1742.	7.9	34
35	Development of a Conduction-Cooled HTS SMES. IEEE Transactions on Applied Superconductivity, 2007, 17, 3846-3852.	1.7	33
36	Doubly Fed Induction Generator Wind Turbine Systems Subject to Recurring Symmetrical Grid Faults. IEEE Transactions on Power Electronics, 2016, 31, 1143-1160.	7.9	33

#	ARTICLE	IF	CITATIONS
37	Novel ZVS S-TCM Modulation of Three-Phase AC/DC Converters. IEEE Open Journal of Power Electronics, 2020, 1, 529-543.	5.7	32
38	LLC resonant converter for 48 V to 0.9 V VRM. , 0, , .		31
39	A 50-kW Three-Channel Wireless Power Transfer System With Low Stray Magnetic Field. IEEE Transactions on Power Electronics, 2021, 36, 9941-9954.	7.9	28
40	Design of High Power Density LLC Resonant Converter with Extra Wide Input Range. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	27
41	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.	5.4	27
42	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.	7.9	26
43	Fault diagnosis of power electronic circuits based on neural network and waveform analysis. , 1999, , .		25
44	1-kW PFC Converter With Compound Active-Clamping. IEEE Transactions on Power Electronics, 2005, 20, 324-331.	7.9	25
45	PWM control of a 5-level single-phase current-source inverter with controlled intermediate DC-link current. , 0, , .		25
46	Design and Analysis of Multiloop Controllers With DC Suppression Loop for Paralleled UPS Inverter System. IEEE Transactions on Industrial Electronics, 2014, 61, 6494-6506.	7.9	25
47	Modeling and Optimization of a Zero-Voltage Switching Inverter for High Efficiency and Miniaturization. IEEE Transactions on Power Electronics, 2017, 32, 150-163.	7.9	25
48	Evaluation of power losses in different CCM mode single-phase boost PFC converters via a simulation tool. , 0, , .		24
49	A PWM plus phase-shift control bidirectional DC-DC converter. , 0, , .		24
50	Standby Mode Control Circuit Design of LLC Resonant Converter. , 2007, , .		24
51	A New Current Feedback PR Control Strategy for Grid-Connected VSI with an LCL Filter. , 2009, , .		23
52	Parameter Identification of Power Electronic Circuits Based on Hybrid Model. , 0, , .		22
53	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.	5.4	22
54	A multimodule hybrid converter for high-temperature superconducting magnetic energy storage systems (HT-SMES). IEEE Transactions on Power Delivery, 2005, 20, 475-480.	4.3	21

#	ARTICLE	IF	CITATIONS
55	High-surety Microgrid: Super Uninterruptable Power Supply with Multiple Renewable Energy Sources. <i>Electric Power Components and Systems</i> , 2015, 43, 839-853.	1.8	21
56	An Improved Control Strategy for Grid-Connected Voltage Source Inverters with a LCL Filter. , 0, , .		20
57	Control of Doubly Fed Induction Generator to Ride Through Recurring Grid Faults. <i>IEEE Transactions on Power Electronics</i> , 2015, , 1-1.	7.9	20
58	Zero-Voltage-Switching SiC-MOSFET Three-Phase Four-Wire Back-to-Back Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019, 7, 722-735.	5.4	20
59	A General Pulse Width Modulation Method for Zero-Voltage-Switching Active-clamping Three-phase Power Converters: Edge Aligned Pulse Width Modulation (EA-PWM). <i>IEEE Open Journal of Power Electronics</i> , 2020, 1, 250-259.	5.7	19
60	Analytical Calculation of the Residual ZVS Losses of TCM-Operated Single-Phase PFC Rectifiers. <i>IEEE Open Journal of Power Electronics</i> , 2021, 2, 250-264.	5.7	19
61	Efficiency Improvement of Grid Inverters With Hybrid Devices. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7558-7572.	7.9	18
62	Current Overshoot Suppression of Wireless Power Transfer Systems With onâ€“off Keying Modulation. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 2676-2684.	7.9	18
63	Optimal PID controller design in PMSM servo system via particle swarm optimization. , 2005, , .		17
64	Flexible control of DC-link voltage for doubly fed induction generator during grid voltage swell. , 2010, , .		17
65	High-reliability long-backup-time super UPS with multiple energy sources. , 2013, , .		17
66	Fast Fault Protection Based on Direction of Fault Current for the High-Surety Power-Supply System. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 5787-5802.	7.9	17
67	Zero-Voltage-Switching Sinusoidal Pulsewidth Modulation Method for Three-Phase Four-Wire Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 7192-7205.	7.9	17
68	General Control Scheme for a Dual-Input Three-Level Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 1838-1850.	7.9	17
69	Impact of dielectric material on passive integration in LLC resonant converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008, , .	0.0	16
70	Current control optimization for grid-tied inverters with grid impedance estimation. , 2010, , .		16
71	A soft-switching full-bridge inverter with high efficiency. , 2013, , .		16
72	Hybrid PWM Scheme for the Grid Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015, 3, 1151-1159.	5.4	16

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73	Zero-Voltage-Switching Single-Phase Full-Bridge Inverter With Active Power Decoupling. IEEE Transactions on Power Electronics, 2021, 36, 571-582.	7.9	16
74	Generalized Space-Vector-Modulation Method for Soft-Switching Three-Phase Inverters. IEEE Transactions on Power Electronics, 2021, 36, 6030-6045.	7.9	16
75	Evaluation of output filter capacitor current ripples in single phase PFC converters. , 0, , .		15
76	Power devices loading in multilevel converters for 10 MW wind turbines. , 2011, , .		15
77	Optimized design of resonant controller for stator current harmonic compensation in DFIG wind turbine systems. , 2012, , .		15
78	A fault-tolerant T-type three-level inverter system. , 2014, , .		15
79	A scalable route to prepare core-shell structured ZnO@PEDOT nanowires and PEDOT nanotubes and their properties as electrode materials. Applied Surface Science, 2016, 370, 102-110.	6.1	15
80	Design and control of bi-directional DC/DC converter for 30kW fuel cell power system. , 2011, , .		14
81	A high power density and efficiency bi-directional DC/DC converter for electric vehicles. , 2015, , .		14
82	Design Methodology of Resonant Inductor in a ZVS Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1142-1150.	5.4	14
83	A Coil Positioning Method Integrated With an Orthogonal Decoupled Transformer for Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2022, 37, 9983-9998.	7.9	14
84	Study on magnetizing inductance of high frequency transformer in the two-transistor forward converter. , 0, , .		13
85	Applying SMES to smooth short-term power fluctuations in wind farms. , 2008, , .		13
86	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
87	The evaluation of control strategies for Auxiliary Resonant Commutated Pole inverter. , 2009, , .		13
88	An integrating structure of EMI filter based on interleaved flexible multi-layer (FML) foils. , 2009, , .		13
89	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.	7.9	13
90	Solid State DC Circuit Breaker for Super Uninterruptible Power Supply. , 2014, , .		13

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91	A bi-directional resonant DC/DC converter with frequency tracking control. , 2014, , .		13
92	Efficiency improvement of 2- and 3-level inverters for distributed photovoltaic application using hybrid devices. , 2015, , .		13
93	A study on the shielding for wireless charging systems of electric vehicles. , 2018, , .		13
94	An Inductive Power Transfer Charging System With a Multiband Frequency Tracking Control for Misalignment Tolerance. IEEE Transactions on Power Electronics, 2022, 37, 11342-11355.	7.9	13
95	A new family of soft-switching phase-shift bidirectional DC-DC converters. , 0, , .		12
96	A simple maximum photovoltaic power tracking technique utilizing system inherent limit cycle phenomena. , 0, , .		12
97	Novel seamless transfer strategies for fuel cell inverters from grid-tied mode to off-grid mode. , 0, , .		12
98	PFC converter with novel integration of both EMI filter and Boost inductors. , 2013, , .		12
99	Minimum-voltage active-clamping DC-DC converters. , 0, , .		11
100	Modeling and control of aggregated Super-Capacitor Energy Storage system for wind power generation. , 2008, , .		11
101	Integration of both EMI filter and Boost inductor for 1 kW PFC converter. , 2012, , .		11
102	DC-link voltage control strategy of a bi-directional DC/DC converter for electric vehicles. , 2015, , .		11
103	Topology of super uninterruptible power supply with multiple energy sources. , 2015, , .		11
104	An Integrating Structure of Output Filter for Grid Connected Inverter Based on FMLF Technique. , 2018, , .		11
105	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.	5.2	11
106	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.	4.9	11
107	Intrinsic losses in photovoltaic laser power converters. Applied Physics Letters, 2021, 118, .	3.3	11
108	Transformer Secondary Leakage Inductance Based ZVS Dual Bridge DC/DC Converter. IEEE Transactions on Power Electronics, 2004, 19, 1408-1416.	7.9	10

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109	A Novel Seamless Transfer Control Strategy Based on Voltage Amplitude Regulation for Utility-interconnected Fuel cell Inverters with an LCL-filter. , 0, , .		10
110	Design and experiment research of integrated EMI filter based on flexible multi-layer foils. , 2010, , .		10
111	A family of novel zero-voltage switching three-phase PWM converters topology for distributed generation. , 2011, , .		10
112	Zero-voltage-switching SPWM method for three-phase four-wire inverter. , 2017, , .		10
113	Voltage doubler application in isolated resonant converters. , 2005, , .		9
114	Study of bi-directional buck-boost converter with different control methods. , 2008, , .		9
115	Control strategy of Li-Ion Battery module in Super UPS. , 2014, , .		9
116	A novel control strategy to suppress DC current injection to the grid for three-phase PV inverter. , 2014, , .		9
117	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.	7.9	9
118	A Novel Accurate Active and Reactive Power Calculation Method for Paralleled UPS System. , 2009, , .		8
119	SiC full-bridge grid-tied inverter with ZVS-switching. , 2014, , .		8
120	Interleaved Flyback Micro-inverter with SiC MOSFET. , 2014, , .		8
121	Two-lower-switch PFC converter with active snubber. , 0, , .		7
122	A family of compound active-clamping DC-DC converters. , 0, , .		7
123	Current-fed DC/DC converter with reverse block IGBT for fuel cell distributing power system. , 0, , .		7
124	Three-phase Current-Source Buck Type PFC Converter with Reverse-Blocking IGBTs. , 2007, , .		7
125	Energy management design for a 5kW fuel cell distributed power system. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	7
126	Analysis of the Non-detection Zone with Passive Islanding Detection Methods for Current Control DG System. , 2009, , .		7

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127	The Influence and Design Consideration of UPS Output Virtual Resistance on Parallel-Connected UPS System. , 2009, , .		7
128	Investigation to power conversion topology for fuel cell power generation system. , 2010, , .		7
129	Study on an active clamping soft switching grid-connected inverter. , 2012, , .		7
130	A two stage DC/dc converter with wide input range for EV. , 2014, , .		7
131	A Short-Circuit Fault-Tolerant Strategy for Three-Phase Four-Wire Flying Capacitor Three-Level Inverters. , 2019, , .		7
132	A GaN Totem-Pole PFC Converter with Zero-Voltage-Switching PWM Control. , 2021, , .		7
133	A family of soft-switching phase-shift bidirectional DC-DC converters: synthesis, analysis, and experiment. , 0, , .		6
134	Current-fed phase shift controlled full bridge ZCS DC-DC converter with reverse block IGBT. , 0, , .		6
135	Current equalizing for a multi-modular current source converter. , 0, , .		6
136	A novel zero voltage switching SVM (ZVS-SVM) controlled three-phase boost rectifier. , 0, , .		6
137	Parallel control of the UPS inverters. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	6
138	High precision compensation for high power Hybrid Active Power Filter based on repetitive control algorithm. , 2011, , .		6
139	Optimal parameters design for series-series resonant converter for wireless power transfer. , 2014, , .		6
140	Efficiency improvement of a SiC-MOSFET 500 kHz ZVS inverter. , 2016, , .		6
141	Design and evaluation of press-pack SiC MOSFET. , 2016, , .		6
142	V2G bi-directional battery charger with flexible AC/DC converter. , 2017, , .		6
143	Safe Startup Method for Zero-Voltage-Switching MOSFET Grid Inverter. IEEE Transactions on Power Electronics, 2019, 34, 8749-8761.	7.9	6
144	System-Level Conducted EMI Model for SiC Powertrain of Electric Vehicles. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
145	Design and Testing of a Medium Frequency Transformer. , 2021, , .		6
146	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.	7.9	6
147	Control and design issues of a dsp-based shunt active power filter for utility interface of diode rectifiers. , 0, , .		5
148	Study of maximum linear generator output power for Maglev emergency power supply. , 0, , .		5
149	Delayless harmonic detection based on DSP with high-accuracy for active power filter. , 0, , .		5
150	Dynamic model of PWM plus phase-shift (PPS) control bidirectional DC/DC converters. , 0, , .		5
151	Voltage Phase Regulated Seamless Transfer Control Strategy for Utility-interconnected Fuel cell Inverters with an LCL-filter. , 0, , .		5
152	Instantaneous Voltage Regulated Seamless Transfer Control Strategy for Utility-interconnected Fuel cell Inverters with an LCL-filter. , 2006, , .		5
153	Efficiency and EMI Analysis for a ZVS-SVM Controlled Three-Phase Boost PFC Converter. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	5
154	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
155	Neutral point voltage control for three-level fuel cell power conversion system. , 2010, , .		5
156	A novel active clamping zero-voltage switching Grid-connected three-phase inverter. , 2010, , .		5
157	Study on neutral-point voltage balance of 3-level NPC inverter in 3-phase 4-wire system. , 2010, , .		5
158	Stator harmonic current suppression for DFIG wind power system under distorted grid voltage. , 2012, , .		5
159	Comparison of control strategies for Doubly fed induction generator under recurring grid faults. , 2014, , .		5
160	A new Zero Voltage Switching three-level NPC inverter. , 2015, , .		5
161	Maximum-Efficiency Operation of a 3.7 kW Inductive Wireless Charging System by Using On-Off Keying Modulation. , 2018, , .		5
162	Pulse-width modulation scheme for a ZVS single-phase inverter in rectifier operation. , 2018, , .		5

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163	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.	5.4	5
164	A novel soft-switching and low-conduction-loss bidirectional DC-DC converter. , 0, , .		4
165	Accurately Regulated Multiple Output ZVS DC-DC Converter. , 0, , .		4
166	Increasing Inductive Power Transferring Efficiency for Maglev Emergency Power Supply. , 0, , .		4
167	Fuel cell UPS system without bulky DC electrolytic capacitors. , 2010, , .		4
168	A novel control strategy to suppress DC current injection of single-phase PV inverter to the grid. , 2013, , .		4
169	Suppressing the side effect of the grid background harmonics on grid inverter with selective harmonic elimination PWM. , 2014, , .		4
170	Doubly fed induction generator based wind turbine systems subject to recurring grid faults. , 2014, , .		4
171	Power control for dual-input DC/AC inverter. , 2015, , .		4
172	A Dual-Energy-Source Uninterruptible Power Supply (UPS). , 2018, , .		4
173	Study on the Effect of Ferrite Layers in a Wireless Charging System with Automotive Chassis. , 2018, , .		4
174	Wireless EV Charging System without Air-Gap and Misalignment. , 2018, , .		4
175	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.	5.4	4
176	Characteristics of SiC inverter powertrains on common-mode EMI noise. Journal of Power Electronics, 2021, 21, 354-363.	1.5	4
177	Power Decoupling Control for Single-Stage On-Board Chargers. , 2021, , .		4
178	A Fixed Frequency Zero-Voltage-Switching On-Board EV Charger. IEEE Open Journal of Power Electronics, 2022, 3, 75-83.	5.7	4
179	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.	5.4	4
180	Suppressing EMI Noise to CAN Communication by Using Active Gate Driver. , 2020, , .		4

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181	Inductive power transferring in maglev using harmonic injection method. , 0, , .		3
182	1kW PFC converter with minimum-voltage active-clamping. , 0, , .		3
183	Control Design of a Modular Current Source Power Conditioning System for High Temperature SMES. , 0, , .		3
184	A magnetic integration structure for the buck-cascaded half-bridge DC-DC converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
185	Energy management analysis and design for a 5 kW PEMFC distributed power system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
186	Evaluation of AFD islanding detection methods based on NDZs described in power mismatch space. , 2009, , .		3
187	Modelling and simulation of a portable fuel cell system. , 2010, , .		3
188	Two-phase interleaved boost converter with voltage multiplier under APS control method for fuel cell power system. , 2012, , .		3
189	A novel DC loop current control strategy for paralleled UPS inverter system based on decoupled control scheme. , 2012, , .		3
190	Understanding repetitive control and resonant control. , 2012, , .		3
191	Comparison of control strategies for DFIG under symmetrical grid voltage dips. , 2013, , .		3
192	A hybrid PWM modulation scheme for PV inverter. , 2013, , .		3
193	Suppression of voltage harmonics in single-phase inverters based on multi-voltage control. , 2013, , .		3
194	Editorial: Special Issue on High-Frequency-Link Power-Conversion Systems, 2014. IEEE Transactions on Power Electronics, 2014, 29, 3849-3851.	7.9	3
195	Design of hybrid AC-DC-AC topology for Uninterruptible Power Supply. , 2015, , .		3
196	SiC MOSFET zero-voltage-switching SVM controlled three-phase grid inverter. , 2016, , .		3
197	Snubber capacitors optimization for super-junction MOSFET in the ZVS full-bridge inverter. , 2016, , .		3
198	Zero-voltage-switching single-phase inverter with active power decoupling. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
199	A Zero-Voltage-Switching Three-Phase Four-Wire Four-Leg Rectifier. , 2018, , .		3
200	A DC Solid State Transformer with DC Fault Ride-through Capability. , 2018, , .		3
201	Die Current Balancing of a Press-Pack SiC MOSFET. , 2018, , .		3
202	Generic Derivation of Optimal Architecture for A Resilient Microgrid with Graph Theory. , 2019, , .		3
203	Universal Zero-Voltage-Switching Technique for Multi-phase AC/DC Converter. , 2019, , .		3
204	Suppression Switching Ringing of SiC-MOSFET Inverters with Combined Design of DC Bus Snubber and Gate Drive. , 2021, , .		3
205	Effectiveness Analysis of SiC MOSFET Switching Oscillation Damping. , 2020, , .		3
206	Full-bridge current mode high-frequency link inverters. , 1999, , .		2
207	A novel fully zero-voltage-switching phase-shift bidirectional DC-DC converter. , 0, , .		2
208	A family of PWM plus phase-shift bidirectional DC-DC converters. , 0, , .		2
209	Design of an Accurately Regulated Multiple Output ZVS DC/DC Converter. , 0, , .		2
210	Control Strategy of Multi-modular Active Power Filter System. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	2
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