

Dehong Xu

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208
papers

3,478
citations

28
h-index

54
g-index

303
ext. papers

4,619
ext. citations

5.8
avg, IF

5.52
L-index

#	Paper	IF	Citations
208	A New Feedback Method for PR Current Control of LCL-Filter-Based Grid-Connected Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 2033-2041	8.9	294
207	. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6319-6331	7.2	291
206	An Improved Control Strategy for Grid-Connected Voltage Source Inverters With an LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 1899-1906	7.2	209
205	Stator Current Harmonic Control With Resonant Controller for Doubly Fed Induction Generator. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3207-3220	7.2	208
204	A PWM plus phase-shift control bidirectional DC-DC converter. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 666-675	7.2	178
203	Modeling, analysis, and implementation of parallel multi-inverter systems with instantaneous average-current-sharing scheme. <i>IEEE Transactions on Power Electronics</i> , 2003 , 18, 844-856	7.2	177
202	DC-Voltage Fluctuation Elimination Through a DC-Capacitor Current Control for DFIG Converters Under Unbalanced Grid Voltage Conditions. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 3206-3218	7.2	116
201	Actively clamped bidirectional flyback converter. <i>IEEE Transactions on Industrial Electronics</i> , 2000 , 47, 770-779	8.9	98
200	A Zero-Voltage Switching Three-Phase Inverter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1200-1210	7.2	67
199	An Improved Islanding Detection Method for a Grid-Connected Inverter With Intermittent Bilateral Reactive Power Variation. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 268-278	7.2	66
198	Seamless Transfer Control Strategy for Fuel Cell Uninterruptible Power Supply System. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 717-729	7.2	62
197	Weighted Average Current Control in a Three-Phase Grid Inverter With an LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2785-2797	7.2	58
196	20-kW Zero-Voltage-Switching SiC-mosfet Grid Inverter With 300 kHz Switching Frequency. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5175-5190	7.2	51
195	A ZVS Grid-Connected Full-Bridge Inverter With a Novel ZVS SPWM Scheme. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 3626-3638	7.2	46
194	A Novel Control Strategy of Suppressing DC Current Injection to the Grid for Single-Phase PV Inverter. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1266-1274	7.2	44
193	A ZVS Grid-Connected Three-Phase Inverter. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3595-3604	7.2	44
192	A Novel RPV (Reactive-Power-Variation) Antiislanding Method Based on Adapted Reactive Power Perturbation. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4998-5012	7.2	43

191	Design, Modeling, and Improvement of Integrated EMI Filter With Flexible Multilayer Foils. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1344-1354	7.2	41
190	Power Management Unit With Its Control for a Three-Phase Fuel Cell Power System Without Large Electrolytic Capacitors. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 3766-3777	7.2	41
189	Design and analysis of an optimal controller for parallel multi-inverter systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 56-61		41
188	Integration of Both EMI Filter and Boost Inductor for 1-kW PFC Converter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5823-5834	7.2	38
187	A Solution to Press-Pack Packaging of SiC MOSFETS. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8224-8234	8.9	37
186	A High Step-Up DC to DC Converter Under Alternating Phase Shift Control for Fuel Cell Power System. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 1694-1703	7.2	33
185	Design of the Dynamic Power Compensation for PEMFC Distributed Power System. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 1935-1944	8.9	31
184	A novel start-up scheme for modular multilevel converter 2012 ,		29
183	A Novel DC-Side Zero-Voltage Switching (ZVS) Three-Phase Boost PWM Rectifier Controlled by an Improved SVM Method. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 4391-4408	7.2	29
182	A Zero Voltage Switching SVM (ZVSBVM) Controlled Three-Phase Boost Rectifier. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 978-986	7.2	29
181	A PFC Converter With Novel Integration of Both the EMI Filter and Boost Inductor. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4485-4489	7.2	28
180	1MHz-1kW LLC Resonant Converter with Integrated Magnetics. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2007 ,		27
179	Development of a Conduction-Cooled HTS SMES. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 3846-3852	1.8	27
178	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2661-2674 ²⁵	7.2	25
177	Design and Implementation of an Accurately Regulated Multiple Output ZVS DCDC Converter. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1731-1742	7.2	25
176	Analogue implementation of a neural network controller for UPS inverter applications. <i>IEEE Transactions on Power Electronics</i> , 2002 , 17, 305-313	7.2	22
175	Doubly Fed Induction Generator Wind Turbine Systems Subject to Recurring Symmetrical Grid Faults. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1143-1160	7.2	21
174	Design of High Power Density LLC Resonant Converter with Extra Wide Input Range. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2007 ,		19

173	Modeling and Optimization of a Zero-Voltage Switching Inverter for High Efficiency and Miniaturization. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 150-163	7.2	18
172	An Integrated Inductive Power Transfer System Design With a Variable Inductor for Misalignment Tolerance and Battery Charging Applications. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11544-11556	7.2	18
171	Common-Mode Filter Design for a Transformerless ZVS Full-Bridge Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 405-413	5.6	18
170	Standby Mode Control Circuit Design of LLC Resonant Converter 2007 ,		18
169	A Novel DC Current Injection Suppression Method for Three-Phase Grid-Connected Inverter Without the Isolation Transformer. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8656-8666	8.9	17
168	1-kW PFC converter with compound active-clamping. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 324-331	7.2	17
167	LLC resonant converter for 48 V to 0.9 V VRM		17
166	Design and Analysis of Multiloop Controllers With DC Suppression Loop for Paralleled UPS Inverter System. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6494-6506	8.9	16
165	An Improved IGBT Short-Circuit Protection Method With Self-Adaptive Blanking Circuit Based on V _{CE} Measurement. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6126-6136	7.2	15
164	A soft-switching full-bridge inverter with high efficiency 2013 ,		15
163	A New Current Feedback PR Control Strategy for Grid-Connected VSI with an LCL Filter 2009 ,		15
162	A multimodule hybrid converter for high-temperature superconducting magnetic energy storage systems (HT-SMES). <i>IEEE Transactions on Power Delivery</i> , 2005 , 20, 475-480	4.3	15
161	A scalable route to prepare core-shell structured ZnO@PEDOT nanowires and PEDOT nanotubes and their properties as electrode materials. <i>Applied Surface Science</i> , 2016 , 370, 102-110	6.7	14
160	Control of Doubly-Fed Induction Generator to Ride-Through Recurring Grid Faults. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	13
159	Fault Analysis and Fault-Tolerant Design for Parallel Redundant Inverter Systems in Case of IGBT Short-Circuit Failures. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 2031-2041	5.6	13
158	High-reliability long-backup-time super UPS with multiple energy sources 2013 ,		12
157	Flexible control of DC-link voltage for doubly fed induction generator during grid voltage swell 2010 ,		11
156	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	5.6	11

155	High-surety Microgrid: Super Uninterruptable Power Supply with Multiple Renewable Energy Sources. <i>Electric Power Components and Systems</i> , 2015 , 43, 839-853	1	10
154	Hybrid PWM Scheme for the Grid Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 1151-1159	5.6	10
153	A High-Efficiency Single-Phase AC/DC Converter With Enabling Window Control and Active Input Bridge. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2912-2924	7.2	10
152	An integrating structure of EMI filter based on interleaved flexible multi-layer (FML) foils 2009 ,		10
151	Fault diagnosis of power electronic circuits based on neural network and waveform analysis 1999 ,		10
150	Zero-Voltage-Switching Sinusoidal Pulsewidth Modulation Method for Three-Phase Four-Wire Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7192-7205	7.2	10
149	A fault-tolerant T-type three-level inverter system 2014 ,		9
148	Efficiency improvement of 2- and 3-level inverters for distributed photovoltaic application using hybrid devices 2015 ,		9
147	Optimized design of resonant controller for stator current harmonic compensation in DFIG wind turbine systems 2012 ,		9
146	Integration of both EMI filter and Boost inductor for 1 kW PFC converter 2012 ,		9
145	Current control optimization for grid-tied inverters with grid impedance estimation 2010 ,		9
144	A 50-kW Three-Channel Wireless Power Transfer System With Low Stray Magnetic Field. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9941-9954	7.2	9
143	Topology of super uninterruptible power supply with multiple energy sources 2015 ,		8
142	Design Methodology of Resonant Inductor in a ZVS Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 1142-1150	5.6	8
141	Solid State DC Circuit Breaker for Super Uninterruptible Power Supply 2014 ,		8
140	Design and control of bi-directional DC/DC converter for 30kW fuel cell power system 2011 ,		8
139	Transformer secondary leakage inductance based ZVS dual bridge DC/DC converter. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 1408-1416	7.2	8
138	Parameter Identification of Power Electronic Circuits Based on Hybrid Model		8

137	Novel ZVS S-TCM Modulation of Three-Phase AC/DC Converters. <i>IEEE Open Journal of Power Electronics</i> , 2020 , 1, 529-543	2.5	8
136	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	7.2	8
135	Efficiency Improvement of Grid Inverters With Hybrid Devices. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7558-7572	7.2	8
134	Zero-Voltage-Switching Single-Phase Full-Bridge Inverter With Active Power Decoupling. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 571-582	7.2	8
133	Zero-voltage-switching SPWM method for three-phase four-wire inverter 2017 ,		7
132	SiC full-bridge grid-tied inverter with ZVS-switching 2014 ,		7
131	Utilizing Flexible Printed Circuit Board (FPCB) to realize passives integration in LLC resonant converter. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008 ,		7
130	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	2.5	7
129	Generalized Space-Vector-Modulation Method for Soft-Switching Three-Phase Inverters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6030-6045	7.2	7
128	An Optimization Design of Output Filter in a Grid Connected Inverter With Flexible Multilayer Foil Technique. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 221-231	5.4	7
127	General Control Scheme for a Dual-Input Three-Level Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1838-1850	7.2	7
126	A high power density and efficiency bi-directional DC/DC converter for electric vehicles 2015 ,		6
125	PFC converter with novel integration of both EMI filter and Boost inductors 2013 ,		6
124	Power devices loading in multilevel converters for 10 MW wind turbines 2011 ,		6
123	Design and experiment research of integrated EMI filter based on flexible multi-layer foils 2010 ,		6
122	The Influence and Design Consideration of UPS Output Virtual Resistance on Parallel-Connected UPS System 2009 ,		6
121	PWM control of a 5-level single-phase current-source inverter with controlled intermediate DC-link current		6
120	A simple maximum photovoltaic power tracking technique utilizing system inherent limit cycle phenomena		6

119	Novel seamless transfer strategies for fuel cell inverters from grid-tied mode to off-grid mode		6
118	Evaluation of power losses in different CCM mode single-phase boost PFC converters via a simulation tool		6
117	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2676-2684	7.2	6
116	An Integrating Structure of Output Filter for Grid Connected Inverter Based on FMLF Technique 2018 ,		6
115	A study on the shielding for wireless charging systems of electric vehicles 2018 ,		5
114	Control strategy of Li-Ion Battery module in Super UPS 2014 ,		5
113	A novel active clamping zero-voltage switching Grid-connected three-phase inverter 2010 ,		5
112	Applying SMES to smooth short-term power fluctuations in wind farms 2008 ,		5
111	Impact of dielectric material on passive integration in LLC resonant converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		5
110	Three-phase Current-Source Buck Type PFC Converter with Reverse-Blocking IGBTs 2007 ,		5
109	An Improved Control Strategy for Grid-Connected Voltage Source Inverters with a LCL Filter		5
108	Safe Startup Method for Zero-Voltage-Switching MOSFET Grid Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8749-8761	7.2	5
107	DC-link voltage control strategy of a bi-directional DC/DC converter for electric vehicles 2015 ,		4
106	Doubly fed induction generator based wind turbine systems subject to recurring grid faults 2014 ,		4
105	A novel control strategy to suppress DC current injection to the grid for three-phase PV inverter 2014 ,		4
104	Comparison of control strategies for Doubly fed induction generator under recurring grid faults 2014 ,		4
103	Interleaved Flyback Micro-inverter with SiC MOSFET 2014 ,		4
102	Optimal parameters design for series-series resonant converter for wireless power transfer 2014 ,		4

101	A bi-directional resonant DC/DC converter with frequency tracking control 2014,		4
100	Study on an active clamping soft switching grid-connected inverter 2012,		4
99	A family of novel zero-voltage switching three-phase PWM converters topology for distributed generation 2011,		4
98	Efficiency and EMI Analysis for a ZVS-SVM Controlled Three-Phase Boost PFC Converter. <i>IEEE Applied Power Electronics Conference and Exposition, 2007,</i>		4
97	A novel zero voltage switching SVM (ZVS-SVM) controlled three-phase boost rectifier		4
96	Dynamic model of PWM plus phase-shift (PPS) control bidirectional DC-DC converters		4
95	Optimal PID controller design in PMSM servo system via particle swarm optimization 2005,		4
94	Accurately regulated multiple output ZVS dc-dc converter		4
93	A PWM plus phase-shift control bidirectional DC-DC converter		4
92	A family of soft-switching phase-shift bidirectional DC-DC converters: synthesis, analysis, and experiment		4
91	Evaluation of output filter capacitor current ripples in single phase PFC converters		4
90	A family of compound active-clamping DC-DC converters		4
89	Analysis, Design, and Implementation of a Spatially Nested Magnetic Integration Method for Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics, 2021, 36, 7537-7549</i>	7.2	4
88	A Dual-Energy-Source Uninterruptible Power Supply (UPS) 2018,		4
87	Pulse-width modulation scheme for a ZVS single-phase inverter in rectifier operation 2018,		4
86	Analytical Calculation of the Residual ZVS Losses of TCM-Operated Single-Phase PFC Rectifiers. <i>IEEE Open Journal of Power Electronics, 2021, 2, 250-264</i>	2.5	4
85	Soft-switching SiC power electronic conversion for distributed energy resources and storage applications. <i>Journal of Modern Power Systems and Clean Energy, 2019, 7, 1340-1354</i>	4	3
84	Universal Zero-Voltage-Switching Technique for Multi-phase AC/DC Converter 2019,		3

83	A new Zero Voltage Switching three-level NPC inverter 2015,	3
82	Power control for dual-input DC/AC inverter 2015,	3
81	Zero-voltage-switching single-phase inverter with active power decoupling 2018,	3
80	Generic Derivation of Optimal Architecture for A Resilient Microgrid with Graph Theory 2019,	3
79	V2G bi-directional battery charger with flexible AC/DC converter 2017,	3
78	A novel control strategy to suppress DC current injection of single-phase PV inverter to the grid 2013,	3
77	High precision compensation for high power Hybrid Active Power Filter based on repetitive control algorithm 2011,	3
76	Investigation to power conversion topology for fuel cell power generation system 2010,	3
75	Fuel cell UPS system without bulky DC electrolytic capacitors 2010,	3
74	A Novel Accurate Active and Reactive Power Calculation Method for Paralleled UPS System 2009,	3
73	Analysis of the Non-detection Zone with Passive Islanding Detection Methods for Current Control DG System 2009,	3
72	Modeling and control of aggregated Super-Capacitor Energy Storage system for wind power generation 2008,	3
71	Voltage doubler application in isolated resonant converters 2005,	3
70	Current equalizing for a multi-modular current source converter	3
69	Study on magnetizing inductance of high frequency transformer in the two-transistor forward converter	3
68	Efficiency improvement of a SiC-MOSFET 500 kHz ZVS inverter 2016,	3
67	Design and evaluation of press-pack SiC MOSFET 2016,	3
66	A 3-kW Two-Stage Transformerless PV Inverter With Resonant DC Link and ZVS-PWM Operation. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 1495-1506	4-3 3

65	A Coil Positioning Method Integrated with an Orthogonal Decoupled Transformer for Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	3
64	A Short-Circuit Fault-Tolerant Strategy for Three-Phase Four-Wire Flying Capacitor Three-Level Inverters 2019 ,		2
63	Special Section on Resonant and Soft-Switching Techniques With Wide Bandgap Devices. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 606-608	5.6	2
62	Comparison of control strategies for DFIG under symmetrical grid voltage dips 2013 ,		2
61	Switching noise suppression for hybrid IGBT modules 2015 ,		2
60	Two-phase interleaved boost converter with voltage multiplier under APS control method for fuel cell power system 2012 ,		2
59	A novel RPV (reactive-power-variation) anti-islanding method based on adapted reactive power perturbation 2012 ,		2
58	Modelling and simulation of a portable fuel cell system 2010 ,		2
57	A Novel 40KW ZVS-SVM Controlled Three-Phase Boost PFC Converter 2009 ,		2
56	Neutral point voltage control for three-level fuel cell power conversion system 2010 ,		2
55	Parallel control of the UPS inverters. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008 ,		2
54	Instantaneous Voltage Regulated Seamless Transfer Control Strategy for Utility-interconnected Fuel cell Inverters with an LCL-filter 2006 ,		2
53	Control design of a modular current source power conditioning system for high temperature SMES		2
52	A novel soft-switching and low-conduction-loss bidirectional DC-DC converter		2
51	Effectiveness Analysis of SiC MOSFET Switching Oscillation Damping 2020 ,		2
50	Edge Aligned PWM for Soft-switching Three-phase Power Converters 2020 ,		2
49	Intrinsic losses in photovoltaic laser power converters. <i>Applied Physics Letters</i> , 2021 , 118, 104103	3.4	2
48	SiC MOSFET zero-voltage-switching SVM controlled three-phase grid inverter 2016 ,		2

47	Snubber capacitors optimization for super-junction MOSFET in the ZVS full-bridge inverter 2016 ,		2
46	A DC Solid State Transformer with DC Fault Ride-through Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	2
45	Study on the Effect of Ferrite Layers in a Wireless Charging System with Automotive Chassis 2018 ,		2
44	An Inductive Power Transfer Charging System with a Multi-Band Frequency Tracking Control for Misalignment Tolerance. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
43	Experiment comparison of repetitive control and resonant control 2016 ,		1
42	Editorial Special Issue on Green Power Supplies. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2016 , 4, 333-334	5.6	1
41	Converter design of square wave micro-grid in rural areas 2017 ,		1
40	Control of ZVS single-phase grid inverter with higher power quality 2017 ,		1
39	A startup scheme for zero-voltage-switching PV inverter 2015 ,		1
38	ZVS PWM scheme to suppress ground leakage current of full-bridge grid inverter 2015 ,		1
37	Capability of DFIG WTS to ride through recurring asymmetrical grid faults 2014 ,		1
36	Leakage current suppression for transformerless ZVS full-bridge inverter 2014 ,		1
35	The status of power electronics research and application in China 2010 ,		1
34	Study on neutral-point voltage balance of 3-level NPC inverter in 3-phase 4-wire system 2010 ,		1
33	Evaluation of AFD islanding detection methods based on NDZs described in power mismatch space 2009 ,		1
32	A Novel Minimum Voltage Active Clamping SVM (MVAC-SVM) Controlled Three-Phase PFC 2009 ,		1
31	The evaluation of control strategies for Auxiliary Resonant Commutated Pole inverter 2009 ,		1
30	Energy management design for a 5kW fuel cell distributed power system. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008 ,		1

29	Nonlinear analytical fuzzy logic control of generator excitation 2008 ,		1
28	Design issues of multi-modular shunt active power filter system. <i>IEEE Applied Power Electronics Conference and Exposition, 2008</i> ,		1
27	Control Strategy of Multi-modular Active Power Filter System. <i>IEEE Applied Power Electronics Conference and Exposition, 2007</i> ,		1
26	Improving the Power Density of the ZVS-SVM Controlled Three-Phase Boost PFC Converter 2007 ,		1
25	Delayless harmonic detection based on DSP with high-accuracy for active power filter		1
24	Multi-modular current-source based hybrid converter for SMES		1
23	Transformer secondary leakage inductance based ZVS dual bridge DC/DC converter		1
22	Control and design issues of a DSP-based shunt active power filter for utility interface of diode rectifiers		1
21	A new family of soft-switching phase-shift bidirectional DC-DC converters		1
20	Reconfigurable Resonant Topology Linking Two- Three- and Four-Coil Modes for WPT with Large Coupling Range and Fixed Frequency. <i>IEEE Transactions on Power Electronics, 2022</i> , 1-1	7.2	1
19	A Fixed Frequency Zero-Voltage-Switching On-Board EV Charger. <i>IEEE Open Journal of Power Electronics, 2021</i> , 1-1	2.5	1
18	An Optimization Design for Transformer and Output Filter of a Micro-inverter with Passive Integration Technique. <i>IEEJ Journal of Industry Applications, 2020</i> , 9, 254-262	0.7	1
17	System-Level Conducted EMI Model for SiC Powertrain of Electric Vehicles 2020 ,		1
16	An Orthogonal Decoupled Transformer Design for Inductive Power Transfer Applications 2020 ,		1
15	A Novel Zero-Voltage-Switching On-Board EV Charger 2019 ,		1
14	An Integrated Structure for Transformer and Output Filter of a Micro-inverter with Flexible Multilayer Foil Technique 2019 ,		1
13	A DC Solid State Transformer with DC Fault Ride-through Capability 2018 ,		1
12	Analysis and Design of Zero-Voltage-Switching Multi-phase AC/DC Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021</i> , 1-1	5.6	0

- 11 Characteristics of SiC inverter powertrains on common-mode EMI noise. *Journal of Power Electronics*, **2021**, 21, 354-363 0.9 0
- 10 Resonant Control of DFIG Under Grid Voltage Harmonics Distortion **2018**, 195-235
- 9 Three-phase Rectifier with Minimum Voltage Active-clamping Circuit **2021**, 159-192
- 8 Soft-switching SiC Three-phase Four-wire Back-to-back Converter **2021**, 401-440
- 7 Three-phase Rectifier with Compound Active-clamping Circuit **2021**, 119-157
- 6 Soft-switching SiC Three-phase Grid Inverter **2021**, 321-369
- 5 Three-phase Grid Inverter with Minimum Voltage Active-clamping Circuit **2021**, 193-230
- 4 Soft-switching SiC Single-phase Grid Inverter with Active Power Decoupling **2021**, 371-399
- 3 Soft-switching PWM Control for Active Clamped Three-phase Converters **2021**, 71-117
- 2 Microgrid for High-Surety Power: Architectures, Controls, Protection, and Demonstration **2017**, 355-392
- 1 Three-phase Inverter with Compound Active-clamping Circuit **2021**, 231-263