

Dehong Xu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7361523/dehong-xu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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</i> , 2022 , 1-1	7.2	1
207	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
206	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
205	Three-phase Rectifier with Minimum Voltage Active-clamping Circuit 2021 , 159-192		
204	Soft-switching SiC Three-phase Four-wire Back-to-back Converter 2021 , 401-440		
203	Three-phase Rectifier with Compound Active-clamping Circuit 2021 , 119-157		
202	Soft-switching SiC Three-phase Grid Inverter 2021 , 321-369		
201	Three-phase Grid Inverter with Minimum Voltage Active-clamping Circuit 2021 , 193-230		
200	Soft-switching SiC Single-phase Grid Inverter with Active Power Decoupling 2021 , 371-399		
199	Soft-switching PWM Control for Active Clamped Three-phase Converters 2021 , 71-117		
198	A Fixed Frequency Zero-Voltage-Switching On-Board EV Charger. <i>IEEE Open Journal of Power Electronics</i> , 2021 , 1-1	2.5	1
197	Analysis and Design of Zero-Voltage-Switching Multi-phase AC/DC Converters. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	0
196	Intrinsic losses in photovoltaic laser power converters. <i>Applied Physics Letters</i> , 2021 , 118, 104103	3.4	2
195	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
194	Analysis, Design, and Implementation of a Spatially Nested Magnetic Integration Method for Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7537-7549	7.2	4
193	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
192	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

191	Characteristics of SiC inverter powertrains on common-mode EMI noise. <i>Journal of Power Electronics</i> , 2021 , 21, 354-363	0.9	0
190	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2676-2684	7.2	6
189	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
188	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
187	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	2.5	4
186	Three-phase Inverter with Compound Active-clamping Circuit 2021 , 231-263		
185	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
184	Effectiveness Analysis of SiC MOSFET Switching Oscillation Damping 2020 ,		2
183	Edge Aligned PWM for Soft-switching Three-phase Power Converters 2020 ,		2
182	An Optimization Design for Transformer and Output Filter of a Micro-inverter with Passive Integration Technique. <i>IEEJ Journal of Industry Applications</i> , 2020 , 9, 254-262	0.7	1
181	System-Level Conducted EMI Model for SiC Powertrain of Electric Vehicles 2020 ,		1
180	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
179	An Orthogonal Decoupled Transformer Design for Inductive Power Transfer Applications 2020 ,		1
178	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
177	A Short-Circuit Fault-Tolerant Strategy for Three-Phase Four-Wire Flying Capacitor Three-Level Inverters 2019 ,		2
176	Soft-switching SiC power electronic conversion for distributed energy resources and storage applications. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 1340-1354	4	3
175	Universal Zero-Voltage-Switching Technique for Multi-phase AC/DC Converter 2019 ,		3
174	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

173	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
172	Generic Derivation of Optimal Architecture for A Resilient Microgrid with Graph Theory 2019 ,		3
171	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
170	A Novel Zero-Voltage-Switching On-Board EV Charger 2019 ,		1
169	An Integrated Structure for Transformer and Output Filter of a Micro-inverter with Flexible Multilayer Foil Technique 2019 ,		1
168	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
167	Safe Startup Method for Zero-Voltage-Switching MOSFET Grid Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 8749-8761	7.2	5
166	Efficiency Improvement of Grid Inverters With Hybrid Devices. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7558-7572	7.2	8
165	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
164	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
163	General Control Scheme for a Dual-Input Three-Level Inverter. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1838-1850	7.2	7
162	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
161	Zero-voltage-switching single-phase inverter with active power decoupling 2018 ,		3
160	A study on the shielding for wireless charging systems of electric vehicles 2018 ,		5
159	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
158	Resonant Control of DFIG Under Grid Voltage Harmonics Distortion 2018 , 195-235		
157	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
156	An Integrating Structure of Output Filter for Grid Connected Inverter Based on FMLF Technique 2018 ,		6

155	A Dual-Energy-Source Uninterruptible Power Supply (UPS) 2018 ,		4
154	A DC Solid State Transformer with DC Fault Ride-through Capability 2018 ,		1
153	Study on the Effect of Ferrite Layers in a Wireless Charging System with Automotive Chassis 2018 ,		2
152	Pulse-width modulation scheme for a ZVS single-phase inverter in rectifier operation 2018 ,		4
151	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	18
150	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
149	Zero-voltage-switching SPWM method for three-phase four-wire inverter 2017 ,		7
148	A Solution to Press-Pack Packaging of SiC MOSFETS. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8224-8234	8.9	37
147	Converter design of square wave micro-grid in rural areas 2017 ,		1
146	V2G bi-directional battery charger with flexible AC/DC converter 2017 ,		3
145	Control of ZVS single-phase grid inverter with higher power quality 2017 ,		1
144	Microgrid for High-Surety Power: Architectures, Controls, Protection, and Demonstration 2017 , 355-392		
143	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
142	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
141	Experiment comparison of repetitive control and resonant control 2016 ,		1
140	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
139	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
138	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

137	SiC MOSFET zero-voltage-switching SVM controlled three-phase grid inverter 2016 ,		2
136	Snubber capacitors optimization for super-junction MOSFET in the ZVS full-bridge inverter 2016 ,		2
135	Efficiency improvement of a SiC-MOSFET 500 kHz ZVS inverter 2016 ,		3
134	Design and evaluation of press-pack SiC MOSFET 2016 ,		3
133	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
132	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
131	A new Zero Voltage Switching three-level NPC inverter 2015 ,		3
130	DC-link voltage control strategy of a bi-directional DC/DC converter for electric vehicles 2015 ,		4
129	A high power density and efficiency bi-directional DC/DC converter for electric vehicles 2015 ,		6
128	Topology of super uninterruptible power supply with multiple energy sources 2015 ,		8
127	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
126	Power control for dual-input DC/AC inverter 2015 ,		3
125	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
124	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
123	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
122	A startup scheme for zero-voltage-switching PV inverter 2015 ,		1
121	Efficiency improvement of 2- and 3-level inverters for distributed photovoltaic application using hybrid devices 2015 ,		9
120	Switching noise suppression for hybrid IGBT modules 2015 ,		2

119	ZVS PWM scheme to suppress ground leakage current of full-bridge grid inverter 2015,			1
118	Doubly fed induction generator based wind turbine systems subject to recurring grid faults 2014,			4
117	A novel control strategy to suppress DC current injection to the grid for three-phase PV inverter 2014,			4
116	A fault-tolerant T-type three-level inverter system 2014,			9
115	. <i>IEEE Transactions on Power Electronics, 2014, 29, 6319-6331</i>	7.2		291
114	Comparison of control strategies for Doubly fed induction generator under recurring grid faults 2014,			4
113	Design and Analysis of Multiloop Controllers With DC Suppression Loop for Paralleled UPS Inverter System. <i>IEEE Transactions on Industrial Electronics, 2014, 61, 6494-6506</i>	8.9		16
112	Solid State DC Circuit Breaker for Super Uninterruptible Power Supply 2014,			8
111	SiC full-bridge grid-tied inverter with ZVS-switching 2014,			7
110	Interleaved Flyback Micro-inverter with SiC MOSFET 2014,			4
109	Capability of DFIG WTS to ride through recurring asymmetrical grid faults 2014,			1
108	Optimal parameters design for series-series resonant converter for wireless power transfer 2014,			4
107	Control strategy of Li-Ion Battery module in Super UPS 2014,			5
106	Leakage current suppression for transformerless ZVS full-bridge inverter 2014,			1
105	A bi-directional resonant DC/DC converter with frequency tracking control 2014,			4
104	A Zero-Voltage Switching Three-Phase Inverter. <i>IEEE Transactions on Power Electronics, 2014, 29, 1200-1210</i>	7.10		67
103	A PFC Converter With Novel Integration of Both the EMI Filter and Boost Inductor. <i>IEEE Transactions on Power Electronics, 2014, 29, 4485-4489</i>	7.2		28
102	Integration of Both EMI Filter and Boost Inductor for 1-kW PFC Converter. <i>IEEE Transactions on Power Electronics, 2014, 29, 5823-5834</i>	7.2		38

101	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
100	Comparison of control strategies for DFIG under symmetrical grid voltage dips 2013 ,		2
99	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
98	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
97	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
96	A novel control strategy to suppress DC current injection of single-phase PV inverter to the grid 2013 ,		3
95	A soft-switching full-bridge inverter with high efficiency 2013 ,		15
94	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
93	PFC converter with novel integration of both EMI filter and Boost inductors 2013 ,		6
92	High-reliability long-backup-time super UPS with multiple energy sources 2013 ,		12
91	Optimized design of resonant controller for stator current harmonic compensation in DFIG wind turbine systems 2012 ,		9
90	A ZVS Grid-Connected Three-Phase Inverter. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3595-3604	7.2	44
89	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
88	Two-phase interleaved boost converter with voltage multiplier under APS control method for fuel cell power system 2012 ,		2
87	Integration of both EMI filter and Boost inductor for 1 kW PFC converter 2012 ,		9
86	A novel RPV (reactive-power-variation) anti-islanding method based on adapted reactive power perturbation 2012 ,		2
85	A novel start-up scheme for modular multilevel converter 2012 ,		29
84	Study on an active clamping soft switching grid-connected inverter 2012 ,		4

83	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
82	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
81	Power devices loading in multilevel converters for 10 MW wind turbines 2011 ,		6
80	Design and control of bi-directional DC/DC converter for 30kW fuel cell power system 2011 ,		8
79	A family of novel zero-voltage switching three-phase PWM converters topology for distributed generation 2011 ,		4
78	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
77	High precision compensation for high power Hybrid Active Power Filter based on repetitive control algorithm 2011 ,		3
76	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
75	Modelling and simulation of a portable fuel cell system 2010 ,		2
74	Investigation to power conversion topology for fuel cell power generation system 2010 ,		3
73	A novel active clamping zero-voltage switching Grid-connected three-phase inverter 2010 ,		5
72	Fuel cell UPS system without bulky DC electrolytic capacitors 2010 ,		3
71	The status of power electronics research and application in China 2010 ,		1
70	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
69	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
68	Design and experiment research of integrated EMI filter based on flexible multi-layer foils 2010 ,		6
67	Flexible control of DC-link voltage for doubly fed induction generator during grid voltage swell 2010 ,		11
66	Study on neutral-point voltage balance of 3-level NPC inverter in 3-phase 4-wire system 2010 ,		1

65	Current control optimization for grid-tied inverters with grid impedance estimation 2010,		9
64	Neutral point voltage control for three-level fuel cell power conversion system 2010,		2
63	Evaluation of AFD islanding detection methods based on NDZs described in power mismatch space 2009,		1
62	A Novel Minimum Voltage Active Clamping SVM (MVAC-SVM) Controlled Three-Phase PFC 2009,		1
61	A Novel 40KW ZVS-SVM Controlled Three-Phase Boost PFC Converter 2009,		2
60	The evaluation of control strategies for Auxiliary Resonant Commutated Pole inverter 2009,		1
59	A Novel Accurate Active and Reactive Power Calculation Method for Paralleled UPS System 2009,		3
58	Analysis of the Non-detection Zone with Passive Islanding Detection Methods for Current Control DG System 2009,		3
57	A New Current Feedback PR Control Strategy for Grid-Connected VSI with an LCL Filter 2009,		15
56	An integrating structure of EMI filter based on interleaved flexible multi-layer (FML) foils 2009,		10
55	The Influence and Design Consideration of UPS Output Virtual Resistance on Parallel-Connected UPS System 2009,		6
54	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
53	Modeling and control of aggregated Super-Capacitor Energy Storage system for wind power generation 2008,		3
52	Applying SMES to smooth short-term power fluctuations in wind farms 2008,		5
51	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
50	Energy management design for a 5kW fuel cell distributed power system. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008,		1
49	Impact of dielectric material on passive integration in LLC resonant converter. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008,		5
48	Parallel control of the UPS inverters. <i>IEEE Applied Power Electronics Conference and Exposition</i> , 2008		2

47	Nonlinear analytical fuzzy logic control of generator excitation 2008 ,		1
46	Design issues of multi-modular shunt active power filter system. <i>IEEE Applied Power Electronics Conference and Exposition, 2008</i> ,		1
45	A Zero Voltage Switching SVM (ZVS-SVM) Controlled Three-Phase Boost Rectifier. <i>IEEE Transactions on Power Electronics, 2007, 22, 978-986</i>	7.2	29
44	Control Strategy of Multi-modular Active Power Filter System. <i>IEEE Applied Power Electronics Conference and Exposition, 2007</i> ,		1
43	Improving the Power Density of the ZVS-SVM Controlled Three-Phase Boost PFC Converter 2007 ,		1
42	Design and Implementation of an Accurately Regulated Multiple Output ZVS DC/DC Converter. <i>IEEE Transactions on Power Electronics, 2007, 22, 1731-1742</i>	7.2	25
41	Standby Mode Control Circuit Design of LLC Resonant Converter 2007 ,		18
40	Three-phase Current-Source Buck Type PFC Converter with Reverse-Blocking IGBTs 2007 ,		5
39	1MHz-1kW LLC Resonant Converter with Integrated Magnetics. <i>IEEE Applied Power Electronics Conference and Exposition, 2007</i> ,		27
38	Design of High Power Density LLC Resonant Converter with Extra Wide Input Range. <i>IEEE Applied Power Electronics Conference and Exposition, 2007</i> ,		19
37	Development of a Conduction-Cooled HTS SMES. <i>IEEE Transactions on Applied Superconductivity, 2007, 17, 3846-3852</i>	1.8	27
36	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
35	Instantaneous Voltage Regulated Seamless Transfer Control Strategy for Utility-interconnected Fuel cell Inverters with an LCL-filter 2006 ,		2
34	Design and analysis of an optimal controller for parallel multi-inverter systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 56-61</i>		41
33	Voltage doubler application in isolated resonant converters 2005 ,		3
32	Optimal PID controller design in PMSM servo system via particle swarm optimization 2005 ,		4
31	1-kW PFC converter with compound active-clamping. <i>IEEE Transactions on Power Electronics, 2005, 20, 324-331</i>	7.2	17
30	A multimodule hybrid converter for high-temperature superconducting magnetic energy storage systems (HT-SMES). <i>IEEE Transactions on Power Delivery, 2005, 20, 475-480</i>	4.3	15

29	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
28	A PWM plus phase-shift control bidirectional DC-DC converter. <i>IEEE Transactions on Power Electronics</i> , 2004 , 19, 666-675	7.2	178
27	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
26	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
25	Actively clamped bidirectional flyback converter. <i>IEEE Transactions on Industrial Electronics</i> , 2000 , 47, 770-779	8.9	98
24	Fault diagnosis of power electronic circuits based on neural network and waveform analysis 1999 ,		10
23	Control design of a modular current source power conditioning system for high temperature SMES		2
22	Current equalizing for a multi-modular current source converter		3
21	Delayless harmonic detection based on DSP with high-accuracy for active power filter		1
20	A novel zero voltage switching SVM (ZVS-SVM) controlled three-phase boost rectifier		4
19	Dynamic model of PWM plus phase-shift (PPS) control bidirectional DC-DC converters		4
18	Accurately regulated multiple output ZVS dc-dc converter		4
17	PWM control of a 5-level single-phase current-source inverter with controlled intermediate DC-link current		6
16	An Improved Control Strategy for Grid-Connected Voltage Source Inverters with a LCL Filter		5
15	Multi-modular current-source based hybrid converter for SMES		1
14	LLC resonant converter for 48 V to 0.9 V VRM		17
13	Study on magnetizing inductance of high frequency transformer in the two-transistor forward converter		3
12	Transformer secondary leakage inductance based ZVS dual bridge DC/DC converter		1

11	A PWM plus phase-shift control bidirectional DC-DC converter	4
10	A simple maximum photovoltaic power tracking technique utilizing system inherent limit cycle phenomena	6
9	Control and design issues of a DSP-based shunt active power filter for utility interface of diode rectifiers	1
8	Novel seamless transfer strategies for fuel cell inverters from grid-tied mode to off-grid mode	6
7	Parameter Identification of Power Electronic Circuits Based on Hybrid Model	8
6	A family of soft-switching phase-shift bidirectional DC-DC converters: synthesis, analysis, and experiment	4
5	Evaluation of output filter capacitor current ripples in single phase PFC converters	4
4	A family of compound active-clamping DC-DC converters	4
3	A novel soft-switching and low-conduction-loss bidirectional DC-DC converter	2
2	Evaluation of power losses in different CCM mode single-phase boost PFC converters via a simulation tool	6
1	A new family of soft-switching phase-shift bidirectional DC-DC converters	1