

Henry Shu-Hung Chung

List of Publications by Year in Descending Order

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

199
papers

6,770
citations

41
h-index

78
g-index

256
ext. papers

8,676
ext. citations

6.7
avg, IF

6.27
L-index

#	Paper	IF	Citations
199	Self-Powered Single-Inductor Rectifier-Less SSHI Array Interface with the MPPT Technique for Piezoelectric Energy Harvesting. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
198	On the Use of Nonlinear Inductor to Enhance the Stability of DC Distribution Networks. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
197	A New Kalman-Filter-Based Harmonic Current Suppression Method for the Virtual Oscillator Controlled Grid-tied Inverter. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	1
196	A feasibility study of using Manufacturing Message Specification report gateway model for IEC61850 inter-substation type-1 messaging over Wide Area Network. <i>Sustainable Energy, Grids and Networks</i> , 2022 , 30, 100612	3.6	
195	A Novel Dual Buck and Boost Transformer-Less Single-Phase Grid-Tied Inverter. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 4211-4224	7.2	2
194	Wideband Series Harmonic Voltage Compensator for Enhancing Stability of Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
193	A New Stability Enhancement Method Using KF Estimation for the PWM-SMC-Based Grid-Tied Inverter under Weak Grid Condition. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	
192	High-Attenuation Wideband Active Common-Mode EMI Filter Section. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
191	A New Type of Three-phase Asymmetric-LCL Power filter for Grid-Tied Voltage Source Inverter with Step-up Transformer. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
190	Online Estimation of Intrinsic Parameters of Encapsulated Three-Phase Harmonic Filter Capacitors for IoT Applications. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
189	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6608-6623	7.2	2
188	Setup-Independent UHF RFID Sensing Technique Using Multidimensional Differential Measurement. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10509-10517	10.7	3
187	A Color-Theory-Based Chromaticity Coordinates Tracking Strategy for LED Color-Mixing System. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3269-3278	7.2	3
186	Mitigation of Ground Leakage Current of Single-Phase PV Inverter Using Hybrid PWM With Soft Voltage Transition and Nonlinear Output Inductor. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2932-2946	7.2	7
185	Active Bridge Rectifier With DM EMI Reduction Based on Linear Reverse Operation of MOSFETs. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 2971-2982	7.2	0
184	Using Sampled-Data Modeling Method to Derive Equivalent Circuit and Linearized Control Method for Dual-Active-Bridge Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1361-1374	5.6	9
183	A Self-Powered P-SSHI Array Interface for Piezoelectric Energy Harvesters with Arbitrary Phase Difference. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	3

182	Grid-Connected Inverter Output Impedance Reshaping for Passivity Enhancement and Disturbance Rejection. <i>IEEE Access</i> , 2021 , 9, 118334-118345	3.5	
181	MOSFET-Switch-Based Transformerless Single-Phase Grid-tied Inverter for PV Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	3
180	Setup-Independent Sensing Architecture with Multiple UHF RFID Sensor Tags. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
179	Self-Powered SSDCI Array Interface for Multiple Piezoelectric Energy Harvesters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9093-9104	7.2	9
178	A New Virtual Oscillator Control Without Third-Harmonics Injection For DC/AC Inverter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 10879-10888	7.2	7
177	Autoidentification Method of the Trouble Maker(s) for Internal Instability in Multiparalleled Inverters System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
176	Passive Resonant Level Shifter for Suppression of Crosstalk Effect and Reduction of Body Diode Loss of SiC MOSFETs in Bridge Legs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7204-7225	7.2	2
175	Design of PWM-SMC Controller Using Linearized Model for Grid-Connected Inverter With LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12773-12786	7.2	10
174	. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 1309-1322	8.2	13
173	Finite Control Set Model Predictive Control for LCL-Filtered Grid-Tied Inverter With Minimum Sensors. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9980-9990	8.9	27
172	Robust Control Parameters Design of PBC Controller for LCL-Filtered Grid-Tied Inverter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8102-8115	7.2	7
171	MPPT for Electromagnetic Energy Harvesters Having Nonnegligible Output Reactance Operating Under Slow-Varying Conditions. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7110-7122	7.2	7
170	1-kW Boost-type PFC Using a Low-Voltage Series Pass Module for Input Current Shaping. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 7596-7611	7.2	1
169	Modeling and Experimental Assessment of the EMI Characteristics of Switching Converters With Power Semiconductor Filters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 2519-2533	7.2	6
168	Disturbance Observer-Based Adaptive Current Control With Self-Learning Ability to Improve the Grid-Injected Current for LCL-Filtered Grid-Connected Inverter. <i>IEEE Access</i> , 2019 , 7, 105376-105390	3.5	11
167	Optimal Design and Experimental Assessment of a Wireless Power Transfer System for Home-Cage Monitoring. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9779-9793	7.2	6
166	Modified dual buckBoost AC/DC converter with self-balanced DC output voltages. <i>IET Power Electronics</i> , 2019 , 12, 1170-1178	2.2	4
165	Photovoltaic Panel Health Diagnostic System for Solar Power Plants 2019 ,		3

164	A Flower Pollination Method Based Global Maximum Power Point Tracking Strategy for Point-Absorbing Type Wave Energy Converters. <i>Energies</i> , 2019 , 12, 1343	3.1	3
163	Principle and Robust Impedance-Based Design of Grid-tied Inverter with LLCL-Filter under Wide Variation of Grid-Reactance. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4362-4374	7.2	22
162	Advanced Digital Controller for Improving Input Current Quality of Integrated Active Virtual Ground-Bridgeless PFC. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 3921-3936	7.2	5
161	A Modified Aalborg Inverter Extracting Maximum Power From One PV Array Source. <i>CPSS Transactions on Power Electronics and Applications</i> , 2019 , 4, 109-118	3.5	5
160	Finite Control Set Model Predictive Control for an LCL-Filtered Grid-Tied Inverter with Full Status Estimations under Unbalanced Grid Voltage. <i>Energies</i> , 2019 , 12, 2691	3.1	7
159	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5455-5465	4.3	8
158	A New Buck-Boost AC/DC Converter with Two-Terminal Output Voltage for DC Nano-Grid. <i>Energies</i> , 2019 , 12, 3808	3.1	1
157	Extraction of Intrinsic Parameters of Lead-Acid Batteries Using Energy Recycling Technique. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4765-4779	7.2	9
156	Time-Domain Modeling of Constant Phase Elements for Simulation of Lithium Battery Behavior. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7573-7587	7.2	9
155	A Neural-Network-Based Color Control Method for Multi-Color LED Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7900-7913	7.2	15
154	Flyback PFC With a Series-Pass Module in Cascode Structure for Input Current Shaping. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5362-5377	7.2	4
153	Optimized Hybrid PWM Scheme for Mitigating Zero-Crossing Distortion in Totem-Pole Bridgeless PFC. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 928-942	7.2	11
152	Solid-State Single-Port Series Damping Device for Power Converters in DC Microgrid Systems. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 192-203	7.2	9
151	Switched-Capacitor-Based Current Compensator for Mitigating the Effect of Long Cable Between PWM Driver and LED Light Source. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6171-6186	7.2	4
150	Active Cancellation of Equivalent Grid Impedance for Improving Stability and Injected Power Quality of Grid-Connected Inverter Under Variable Grid Condition. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 9387-9398	7.2	27
149	Coupled-Inductor-Based Aalborg Inverter With Input DC Energy Regulation. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3826-3836	8.9	17
148	Co-Simulation of Distributed Smart Grid Software Using Direct-Execution Simulation. <i>IEEE Access</i> , 2018 , 6, 20531-20544	3.5	14
147	. <i>IEEE Access</i> , 2018 , 6, 21991-22010	3.5	3

146	A Transformer-Less Unified Power Quality Conditioner with Fast Dynamic Control. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3926-3937	7.2	33
145	. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 45-55	8.2	130
144	A Regulation Policy of EV Discharging Price for Demand Scheduling. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1275-1288	7	31
143	A Novel Color Control Method for Multicolor LED Systems to Achieve High Color Rendering Indexes. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8246-8258	7.2	8
142	Passive Resonant Level Shifter for Suppression of Crosstalk Effect and Reduction of Body-Diode Loss in SiC-Based Bridge Leg 2018 ,		1
141	Flyback PFC with a Series Pass Module in Cascode Structure for Input Current Shaping 2018 ,		1
140	Finite Control Set Model Predictive Control for LCL-Filter-Based Grid-Tied Inverter with Computational Delay Compensation 2018 ,		2
139	Design of Observer-Based Active Damping Using Disturbance Observer for Grid-Connected Inverter with LCL Filter 2018 ,		2
138	Voltage Balance Control Based Aalborg Inverter with Single Source in Photovoltaic System 2018 ,		1
137	Investigation Into the Use of Single Inductor for Driving Multiple Series-Connected LED Channels. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3034-3050	7.2	15
136	Bifurcation Phenomena and Stabilization With Compensation Ramp in Converter With Power Semiconductor Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 9424-9434	7.2	12
135	Boost-Type Power Factor Corrector With Power Semiconductor Filter for Input Current Shaping. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8293-8311	7.2	12
134	A switched-capacitor-based current compensator for mitigating the effect of long cable connecting between LED driver and light source 2017 ,		2
133	Damping Methods for Resonances Caused by LCL-Filter-Based Current-Controlled Grid-Tied Power Inverters: An Overview. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 7402-7413	8.9	171
132	Modified Cascaded Boundary-Deadbeat Control for a Virtually-Grounded Three-Phase Grid-Connected Inverter With LCL Filter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8163-8180	7.2	19
131	A Lifetime Prediction Method for LEDs Considering Real Mission Profiles. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8718-8727	7.2	17
130	New Passive Filter Design Method for Overvoltage Suppression and Bearing Currents Mitigation in a Long Cable Based PWM Inverter-Fed Motor Drive System. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 7882-7893	7.2	25
129	Capacitor-isolated structure with brightness and color controlling for multicolor LED strings 2017 ,		2

128	A Schedule-Control Aided Strategy for Charging Large Number of EVs Under Normal and Line Failure Scenarios. <i>IEEE Access</i> , 2017 , 5, 10846-10857	3.5	4
127	Direct Current Tracking Using Boundary Control With Second-Order Switching Surface for Three-Phase Three-Wire Grid-Connected Inverter. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 5723-5740	7.2	14
126	Current Compensator for LED Driver With a Long Cable Connecting to the Light Source. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3317-3337	7.2	1
125	A global MPPT algorithm for existing PV system mitigating suboptimal operating conditions. <i>Solar Energy</i> , 2017 , 141, 145-158	6.8	16
124	Impedance-based stability criterion for multiple offshore inverters connected in parallel with long cables 2017 ,		9
123	Training neural-network-based controller on distributed machine learning platform for power electronics systems 2017 ,		7
122	Use of Boundary Control With Second-Order Switching Surface to Reduce the System Order for Deadbeat Controller in Grid-Connected Inverter. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2638-2653	7.2	36
121	Power Semiconductor Filter: Use of Series-Pass Device in Switching Converters for Filtering Input Current Harmonics. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2053-2068	7.2	18
120	Fault Diagnosis of Photovoltaic Panels Using Dynamic Current/Voltage Characteristics. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1588-1599	7.2	52
119	A ZCS-PWM Voltage-Driven Three-Level Converter With a Secondary-Side Simple Soft-Switching Snubber. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7542-7552	8.9	6
118	Use of Transmitter-Side Electrical Information to Estimate Mutual Inductance and Regulate Receiver-Side Power in Wireless Inductive Link. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 6079-6091	7.2	53
117	Interference-Mitigated ZigBee-Based Advanced Metering Infrastructure. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 672-684	11.9	36
116	An Efficient and Robust Hybrid Damper for $\$LCL\$$ - or $\$LLCL\$$ -Based Grid-Tied Inverter With Strong Grid-Side Harmonic Voltage Effect Rejection. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 926-936	8.9	79
115	A Modular and Scalable Structure Using Multiparallel-Connected Series-Voltage Compensators for Supply Voltage Regulation. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4096-4110	7.2	6
114	A flyback AC/DC converter using power semiconductor filter for input power factor correction 2016 ,		5
113	Investigation into the use of single inductor for driving multiple series-connected LED channels 2016 ,		1
112	A lifetime prediction method for LEDs considering mission profiles 2016 ,		4
111	Fault diagnostic device for photovoltaic panels 2015 ,		1

110	Capacitor-Isolated Multistring LED Driver With Daisy-Chained Transformers. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3860-3875	7.2	16
109	Paralleled LED Strings: An Overview of Current-Balancing Techniques. <i>IEEE Industrial Electronics Magazine</i> , 2015 , 9, 17-23	6.2	17
108	A Simple Differential Mode EMI Suppressor for the $\$LLCL\$$ -Filter-Based Single-Phase Grid-Tied Transformerless Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4141-4147	8.9	24
107	A Low-Loss RL -Plus- CL Filter for Overvoltage Suppression in Inverter-Fed Drive System With Long Motor Cable. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 2167-2181	7.2	25
106	Modeling and Design of Series Voltage Compensator for Reduction of DC-Link Capacitance in Grid-Tie Solar Inverter. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 2534-2548	7.2	73
105	A Novel RCD Level Shifter for Elimination of Spurious Turn-on in the Bridge-Leg Configuration. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 976-984	7.2	38
104	An Inductive Power Transfer System for Driving Multiple OLED Light Panels. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	7
103	Use of boundary control with second-order switching surface to reduce the system order for deadbeat controller in grid-connected inverter 2015 ,		1
102	A Ring Diode-Capacitor Network for Current-Balancing Multiple LED Strings. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6948-6965	7.2	1
101	A Robust Passive Damping Method for LLCL-Filter-Based Grid-Tied Inverters to Minimize the Effect of Grid Harmonic Voltages. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3279-3289	7.2	107
100	A modified two-level three-phase quasi-soft-switching inverter 2014 ,		3
99	A global MPPT algorithm for PV system under rapidly fluctuating irradiance 2014 ,		3
98	A New $\$LCL\$$ -Filter With In-Series Parallel Resonant Circuit for Single-Phase Grid-Tied Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4640-4644	8.9	52
97	Use of Daisy-Chained Transformers for Current-Balancing Multiple LED Strings. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1418-1433	7.2	34
96	Phase jump technique for minimization of load voltage transients in SSSC-based voltage regulator 2014 ,		1
95	A passive level-shifter for elimination of spurious turn-on in the bridge-leg configuration 2014 ,		1
94	Near-Real-Time Parameter Estimation of an Electrical Battery Model With Multiple Time Constants and SOC-Dependent Capacitance. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 5905-5920	7.2	32
93	Use of Synchronous Modulation to Recover Energy Gained From Matching Long Cable in Inverter-Fed Motor Drives. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 883-893	7.2	11

92	Paralleling Multiple Static Synchronous Series Compensators Using Daisy-Chained Transformers. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2764-2773	7.2	6
91	Dielectric loss against piezoelectric power harvesting. <i>Smart Materials and Structures</i> , 2014 , 23, 092001	3.4	15
90	Transformer-Isolated Resonant Driver for Parallel Strings With Robust Balancing and Stabilization of Individual LED Current. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3694-3708	7.2	11
89	A comparison between open- and daisy-chain transformer structures for current-balancing multiple LED strings 2014 ,		2
88	Transformer-isolated resonant driver for parallel strings with robust balancing and stabilization of individual LED current 2014 ,		4
87	A Modified LLCL Filter With the Reduced Conducted EMI Noise. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3393-3402	7.2	53
86	Design a co-simulation platform for power system and communication network 2014 ,		2
85	HLA based co-simulation framework for multiagent-based smart grid applications 2014 ,		3
84	Appliance signature: Multi-modes electric appliances 2014 ,		1
83	Near-real-time parameter estimation of an electrical battery model with multiple time constants and SOC-dependent capacitance 2014 ,		1
82	Utilization of proportional filter capacitor voltage feedforward to realize active damping for digitally-controlled grid-tied inverter operating under wide grid impedance variation 2014 ,		12
81	Impact of Parasitic Elements on the Spurious Triggering Pulse in Synchronous Buck Converter. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 6672-6685	7.2	64
80	Power semiconductor filter: Use of series-pass device in switching converters for input filtering 2014 ,		2
79	Use of a Series Voltage Compensator for Reduction of the DC-Link Capacitance in a Capacitor-Supported System. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1163-1175	7.2	139
78	A TRIAC-Dimmable LED Lamp Driver With Wide Dimming Range. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1434-1446	7.2	31
77	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 512-527	15.6	78
76	Impact of parasitic elements on the spurious triggering pulse in synchronous buck converter 2013 ,		11
75	The development of a smart grid co-simulation platform and case study on Vehicle-to-Grid voltage support application 2013 ,		5

74	Characterization and Experimental Assessment of the Effects of Parasitic Elements on the MOSFET Switching Performance. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 573-590	7.2	272
73	An LED Lamp Driver Compatible With Low- and High-Frequency Sources. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2551-2568	7.2	14
72	Multiple Populations for Multiple Objectives: A Coevolutionary Technique for Solving Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 445-63	10.2	300
71	A hybrid damping method for LLCL-filter based grid-tied inverter with a digital filter and an RC parallel passive damper 2013 ,		5
70	Optimal Selection of Parameters for Nonuniform Embedding of Chaotic Time Series Using Ant Colony Optimization. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 790-802	10.2	46
69	Particle Swarm Optimization With an Aging Leader and Challengers. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 241-258	15.6	428
68	Stability analysis and dynamic response of a DC-link module with a series voltage compensator 2013 ,		5
67	Daisy-chain transformer structure for current-balancing multiple LED strings 2013 ,		9
66	Best voltage bias-flipping strategy towards maximum piezoelectric power generation. <i>Journal of Physics: Conference Series</i> , 2013 , 476, 012025	0.3	5
65	An Investigation Into the Effects of the Gate Drive Resistance on the Losses of the MOSFETs Substrate Configuration. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2657-2672	7.2	19
64	An Ant Colony Optimization Approach for Maximizing the Lifetime of Heterogeneous Wireless Sensor Networks. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 408-420		92
63	A universal driving technology for retrofit LED lamp for fluorescent lighting fixtures 2012 ,		2
62	A novel concept to reduce the DC-link capacitor in PFC front-end power conversion systems 2012 ,		14
61	An Efficient Resource Allocation Scheme Using Particle Swarm Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 801-816	15.6	87
60	An Active Low-Loss Motor Terminal Filter for Overvoltage Suppression and Common-Mode Current Reduction. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 3158-3172	7.2	33
59	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 254-267		108
58	A New Concept of High-Voltage DC/DC Conversion Using Asymmetric Voltage Distribution on the Switch Pairs and Hybrid ZVS/ZCS Scheme. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2242-2259	7.2	16
57	Hold-up time analysis of a dc-link module with a series voltage compensator 2012 ,		4

56	Effect of parasitic elements in a power converter on the switching performance of a MOSFET-snubber-diode configuration 2011 ,		2
55	A Driving Technology for Retrofit LED Lamp for Fluorescent Lighting Fixtures With Electronic Ballasts. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 588-601	7.2	50
54	A Class of High-Input Low-Output Voltage Single-Step Converters with Low Voltage Stress on the Primary-Side Switches and High Output Current Capacity. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1659-1672	7.2	17
53	Capacitor current programming technique for phase-shift DC-DC converter 2011 ,		1
52	. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 2550-2562	7.2	5
51	Study of a new technique to reduce the dc-link capacitor in a power electronic system by using a series voltage compensator 2011 ,		9
50	Decoupled optimal design for power electronic circuits with adaptive migration in coevolutionary environment. <i>Applied Soft Computing Journal</i> , 2011 , 11, 23-31	7.5	3
49	Derivation of a nonlinear output capacitor current programming technique applicable for a buck converter operating in CCM and DCM 2010 ,		3
48	2010 ,		1
47	A driving technology for retrofit LED lamp for fluorescent lighting fixtures with electronic ballasts 2010 ,		2
46	Implementation and Performance Evaluation of a Fast Dynamic Control Scheme for Capacitor-Supported Interline DVR. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 1975-1988	7.2	54
45	A Passive Lossless Snubber Cell With Minimum Stress and Wide Soft-Switching Range. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 1725-1738	7.2	40
44	A ZCS Full-Bridge Converter Without Voltage Overstress on the Switches. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 686-698	7.2	34
43	SamACO: variable sampling ant colony optimization algorithm for continuous optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1555-66		50
42	A Dimming Module for Controlling Power Supplying to a Fluorescent Lamp Ballasted by a Nondimmable Electronic Ballast. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2541-2551	7.2	4
41	Optimizing Discounted Cash Flows in Project Scheduling—An Ant Colony Optimization Approach. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2010 , 40, 64-77		55
40	Use of Hybrid PWM and Passive Resonant Snubber for a Grid-Connected CSI. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 298-309	7.2	21
39	Output current control for grid-connected VSI with LCL filter 2010 ,		4

38	A low-loss motor terminal filter for overvoltage suppression 2010 ,		1
37	2010 ,		2
36	Passive Lossless Snubber for Boost PFC With Minimum Voltage and Current Stress. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 602-613	7.2	52
35	Hybrid Genetic Algorithm Using a Forward Encoding Scheme for Lifetime Maximization of Wireless Sensor Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2010 , 14, 766-781	15.6	86
34	A class of single-step high-voltage DC-DC converters with low voltage stress and high output current capacity 2009 ,		2
33	Energy Saving of Large-Scale High-Intensity-Discharge Lamp Lighting Networks Using a Central Reactive Power Control System. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 3069-3078	8.9	38
32	A Generalized Theory of Boundary Control for a Single-Phase Multilevel Inverter Using Second-Order Switching Surface. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2298-2313	7.2	32
31	An Intelligent Testing System Embedded With an Ant-Colony-Optimization-Based Test Composition Method. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2009 , 39, 659-669		22
30	Constant-Frequency Hysteresis Current Control of Grid-Connected VSI Without Bandwidth Control. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2484-2495	7.2	129
29	Extended Ant Colony Optimization Algorithm for Power Electronic Circuit Design. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 147-162	7.2	58
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