

Henry Shu-Hung Chung

List of Publications by Citations

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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	Adaptive particle swarm optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2009 , 39, 1362-81		1163
198	Particle Swarm Optimization With an Aging Leader and Challengers. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 241-258	15.6	428
197	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
196	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
195	Clustering-Based Adaptive Crossover and Mutation Probabilities for Genetic Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2007 , 11, 326-335	15.6	174
194	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
193	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
192	. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 45-55	8.2	130
191	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
190	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2012 , 42, 254-267		108
189	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
188	A 31-level cascade inverter for power applications. <i>IEEE Transactions on Industrial Electronics</i> , 2002 , 49, 613-617	8.9	93
187	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
186	Generalized structure of bi-directional switched-capacitor DC/DC converters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 743-753		91
185	Coreless planar printed-circuit-board (PCB) transformers-a fundamental concept for signal and energy transfer. <i>IEEE Transactions on Power Electronics</i> , 2000 , 15, 931-941	7.2	88
184	An Efficient Resource Allocation Scheme Using Particle Swarm Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 801-816	15.6	87
183	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

182	An integrated inverter with maximum power tracking for grid-connected PV systems. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 953-962	7.2	85
181	A comparative study of carrier-frequency modulation techniques for conducted EMI suppression in PWM converters. <i>IEEE Transactions on Industrial Electronics</i> , 2002 , 49, 618-627	8.9	82
180	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
179	. <i>IEEE Transactions on Evolutionary Computation</i> , 2013 , 17, 512-527	15.6	78
178	A Comparative Study of Boundary Control With First- and Second-Order Switching Surfaces for Buck Converters Operating in DCM. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1196-1209	7.2	78
177	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
176	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
175	Dynamic hysteresis band control of the buck converter with fast transient response. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005 , 52, 398-402		61
174	Boundary Control of Boost Converters Using State-Energy Plane. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 551-563	7.2	60
173	Extended Ant Colony Optimization Algorithm for Power Electronic Circuit Design. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 147-162	7.2	58
172	Fixed-Frequency Boundary Control of Buck Converter With Second-Order Switching Surface. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2193-2201	7.2	58
171	Optimal operation of coreless PCB transformer-isolated gate drive circuits with wide switching frequency range. <i>IEEE Transactions on Power Electronics</i> , 1999 , 14, 506-514	7.2	56
170	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
169	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
168	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
167	A Modified LLCL Filter With the Reduced Conducted EMI Noise. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 3393-3402	7.2	53
166	Fault Diagnosis of Photovoltaic Panels Using Dynamic Current-Voltage Characteristics. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1588-1599	7.2	52
165	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

164	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
163	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
162	SamACO: variable sampling ant colony optimization algorithm for continuous optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 1555-66		50
161	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
160	An Active Modulation Technique for Single-Phase Grid-Connected CSI. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1373-1382	7.2	45
159	Comparison of Dimmable Electromagnetic and Electronic Ballast Systems—An Assessment on Energy Efficiency and Lifetime. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 3145-3154	8.9	42
158	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
157	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
156	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
155	High-Order Switching Surface in Boundary Control of Inverters. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1753-1765	7.2	37
154	Coreless printed circuit board (PCB) transformers for power MOSFET/IGBT gate drive circuits. <i>IEEE Transactions on Power Electronics</i> , 1999 , 14, 422-430	7.2	37
153	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
152	Interference-Mitigated ZigBee-Based Advanced Metering Infrastructure. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 672-684	11.9	36
151	Chaotic Time Series Prediction Using a Neuro-Fuzzy System with Time-Delay Coordinates. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2008 , 20, 956-964	4.2	35
150	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
149	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
148	Coreless printed circuit board (PCB) transformers with multiple secondary windings for complementary gate drive circuits. <i>IEEE Transactions on Power Electronics</i> , 1999 , 14, 431-437	7.2	34
147	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

146	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
145	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
144	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
143	A Regulation Policy of EV Discharging Price for Demand Scheduling. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1275-1288	7	31
142	A TRIAC-Dimmable LED Lamp Driver With Wide Dimming Range. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1434-1446	7.2	31
141	. <i>IEEE Transactions on Industrial Electronics</i> , 1998 , 45, 421-432	8.9	29
140	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
139	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
138	A High-Voltage DCDC Converter With $V_{in}/3V$ Voltage Stress on the Primary Switches. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 2124-2137	7.2	26
137	A low-profile low-power converter with coreless PCB isolation transformer. <i>IEEE Transactions on Power Electronics</i> , 2001 , 16, 311-315	7.2	26
136	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
135	A Low-Loss RL-Plus-CI 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
134	A bidirectional AC-DC power converter with power factor correction. <i>IEEE Transactions on Power Electronics</i> , 2000 , 15, 942-948	7.2	25
133	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
132	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
131	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
130	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
129	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

128	An Investigation Into the Effects of the Gate Drive Resistance on the Losses of the MOSFETs in a Submodule Diode Configuration. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 2657-2672	7.2	19
127	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
126	A Lifetime Prediction Method for LEDs Considering Real Mission Profiles. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8718-8727	7.2	17
125	Paralleled LED Strings: An Overview of Current-Balancing Techniques. <i>IEEE Industrial Electronics Magazine</i> , 2015 , 9, 17-23	6.2	17
124	Coupled-Inductor-Based Aalborg Inverter With Input DC Energy Regulation. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 3826-3836	8.9	17
123	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
122	Capacitor-Isolated Multistring LED Driver With Daisy-Chained Transformers. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3860-3875	7.2	16
121	A global MPPT algorithm for existing PV system mitigating suboptimal operating conditions. <i>Solar Energy</i> , 2017 , 141, 145-158	6.8	16
120	A New Concept of High-Voltage DCDC 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
119	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
118	Dielectric loss against piezoelectric power harvesting. <i>Smart Materials and Structures</i> , 2014 , 23, 092001	3.4	15
117	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
116	Co-Simulation of Distributed Smart Grid Software Using Direct-Execution Simulation. <i>IEEE Access</i> , 2018 , 6, 20531-20544	3.5	14
115	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
114	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
113	A novel concept to reduce the DC-link capacitor in PFC front-end power conversion systems		14
112	. <i>IEEE Transactions on Power Electronics</i> , 2003 , 18, 1346-1355	7.2	14
111	. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 1309-1322	8.2	13

110	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
109	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
108	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
107	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
106	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
105	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
104	Impact of parasitic elements on the spurious triggering pulse in synchronous buck converter 2013 ,		11
103	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
102	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
101	Impedance-based stability criterion for multiple offshore inverters connected in parallel with long cables 2017 ,		9
100	Daisy-chain transformer structure for current-balancing multiple LED strings 2013 ,		9
99	Study of a new technique to reduce the dc-link capacitor in a power electronic system by using a series voltage compensator 2011 ,		9
98	Design and Implementation of Dimmable Electronic Ballast Based on Integrated Inductor. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 291-300	7.2	9
97	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
96	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
95	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
94	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
93	Self-Powered SSDCI Array Interface for Multiple Piezoelectric Energy Harvesters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9093-9104	7.2	9

92	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
91	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5455-5465	4.3	8
90	TRIAC dimmable ballast with power equalization. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 1441-1449	7.4	8
89	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
88	Training neural-network-based controller on distributed machine learning platform for power electronics systems 2017 ,		7
87	An Inductive Power Transfer System for Driving Multiple OLED Light Panels. <i>IEEE Transactions on Power Electronics</i> , 2015 , 1-1	7.2	7
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	Paralleling Multiple Static Synchronous Series Compensators Using Daisy-Chained Transformers. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2764-2773	7.2	6
78	A unified derivation of second-order switching surface for boundary control of DC-DC converters 2009 ,		6
77	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
76	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
75	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

74	The development of a smart grid co-simulation platform and case study on Vehicle-to-Grid voltage support application 2013 ,		5
73	A hybrid damping method for LLCL-filter based grid-tied inverter with a digital filter and an RC parallel passive damper 2013 ,		5
72	Stability analysis and dynamic response of a DC-link module with a series voltage compensator 2013 ,		5
71	Best voltage bias-flipping strategy towards maximum piezoelectric power generation. <i>Journal of Physics: Conference Series</i> , 2013 , 476, 012025	0.3	5
70	. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 2550-2562	7.2	5
69	A flyback AC/DC converter using power semiconductor filter for input power factor correction 2016 ,		5
68	Modified dual buckBoost AC/DC converter with self-balanced DC output voltages. <i>IET Power Electronics</i> , 2019 , 12, 1170-1178	2.2	4
67	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
66	Transformer-isolated resonant driver for parallel strings with robust balancing and stabilization of individual LED current 2014 ,		4
65	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
64	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
63	Output current control for grid-connected VSI with LCL filter 2010 ,		4
62	Hold-up time analysis of a dc-link module with a series voltage compensator 2012 ,		4
61	A lifetime prediction method for LEDs considering mission profiles 2016 ,		4
60	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
59	Photovoltaic Panel Health Diagnostic System for Solar Power Plants 2019 ,		3
58	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
57	. <i>IEEE Access</i> , 2018 , 6, 21991-22010	3.5	3

56	A modified two-level three-phase quasi-soft-switching inverter 2014 ,		3
55	A global MPPT algorithm for PV system under rapidly fluctuating irradiance 2014 ,		3
54	HLA based co-simulation framework for multiagent-based smart grid applications 2014 ,		3
53	Derivation of a nonlinear output capacitor current programming technique applicable for a buck converter operating in CCM and DCM 2010 ,		3
52	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
51	High-Attenuation Wideband Active Common-Mode EMI Filter Section. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
50	Setup-Independent UHF RFID Sensing Technique Using Multidimensional Differential Measurement. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10509-10517	10.7	3
49	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
48	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
47	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
46	A switched-capacitor-based current compensator for mitigating the effect of long cable connecting between LED driver and light source 2017 ,		2
45	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
44	Capacitor-isolated structure with brightness and color controlling for multicolor LED strings 2017 ,		2
43	A comparison between open- and daisy-chain transformer structures for current-balancing multiple LED strings 2014 ,		2
42	Design a co-simulation platform for power system and communication network 2014 ,		2
41	Power semiconductor filter: Use of series-pass device in switching converters for input filtering 2014 ,		2
40	A universal driving technology for retrofit LED lamp for fluorescent lighting fixtures 2012 ,		2
39	Effect of parasitic elements in a power converter on the switching performance of a MOSFET-snubber-diode configuration 2011 ,		2

38	A driving technology for retrofit LED lamp for fluorescent lighting fixtures with electronic ballasts 2010,		2
37	2010,		2
36	A class of single-step high-voltage DC-DC converters with low voltage stress and high output current capacity 2009,		2
35	Parameter monitoring of high-frequency electronically operated discharge lamp systems. <i>IEEE Transactions on Power Electronics</i> , 2005 , 20, 948-952	7.2	2
34	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
33	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6608-6623	7.2	2
32	Finite Control Set Model Predictive Control for LCL-Filter-Based Grid-Tied Inverter with Computational Delay Compensation 2018,		2
31	Design of Observer-Based Active Damping Using Disturbance Observer for Grid-Connected Inverter with LCL Filter 2018,		2
30	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
29	Fault diagnostic device for photovoltaic panels 2015,		1
28	Phase jump technique for minimization of load voltage transients in SSSC-based voltage regulator 2014,		1
27	A passive level-shifter for elimination of spurious turn-on in the bridge-leg configuration 2014,		1
26	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
25	Use of boundary control with second-order switching surface to reduce the system order for deadbeat controller in grid-connected inverter 2015,		1
24	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
23	Appliance signature: Multi-modes electric appliances 2014,		1
22	Near-real-time parameter estimation of an electrical battery model with multiple time constants and SOC-dependent capacitance 2014,		1
21	2010,		1

20	A low-loss motor terminal filter for overvoltage suppression 2010 ,		1
19	Capacitor current programming technique for phase-shift DC-DC converter 2011 ,		1
18	High-frequency lamp simulator for testing electronic ballasts 2009 ,		1
17	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
16	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
15	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
14	Investigation into the use of single inductor for driving multiple series-connected LED channels 2016 ,		1
13	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
12	Passive Resonant Level Shifter for Suppression of Crosstalk Effect and Reduction of Body-Diode Loss in SiC-Based Bridge Leg 2018 ,		1
11	Flyback PFC with a Series Pass Module in Cascode Structure for Input Current Shaping 2018 ,		1
10	Voltage Balance Control Based Aalborg Inverter with Single Source in Photovoltaic System 2018 ,		1
9	Wideband Series Harmonic Voltage Compensator for Enhancing Stability of Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	1
8	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
7	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
6	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
5	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
4	Setup-Independent Sensing Architecture with Multiple UHF RFID Sensor Tags. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	0
3	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	

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| 2 | Grid-Connected Inverter Output Impedance Reshaping for Passivity Enhancement and Disturbance Rejection. <i>IEEE Access</i> , 2021 , 9, 118334-118345 | 3.5 |
| 1 | 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 |