

Chi K Tse

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

257
papers

8,124
citations

48
h-index

79
g-index

275
ext. papers

10,401
ext. citations

4.6
avg, IF

6.62
L-index

#	Paper	IF	Citations
257	A Non-Isolated Three-Port DC/DC Converter with Two Bidirectional Ports and Fewer Components. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	2
256	Effects of High Level of Penetration of Renewable Energy Sources on Cascading Failure of Modern Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	0
255	Overall Loss Compensation and Optimization Control in Single-Stage Inductive Power Transfer Converter Delivering Constant Power. <i>IEEE Transactions on Power Electronics</i> , 2022 , 37, 1146-1158	7.2	6
254	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
253	Robustness analysis of cyber-coupled power systems with considerations of interdependence of structures, operations and dynamic behaviors. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022 , 596, 127215	3.3	0
252	Synthesis of Reconfigurable and Scalable Single-Inductor Multiport Converters with No Cross Regulation. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
251	Inductive Power Transfer System with Maximum Efficiency Tracking Control and Real-time Mutual Inductance Estimation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
250	Integrating Reinforcement Learning and Optimal Power Dispatch to Enhance Power Grid Resilience. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	4
249	Revealing Structural and Functional Vulnerability of Power Grids to Cascading Failures. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021 , 11, 133-143	5.2	5
248	Single-Inductor Multiple-Input Multiple-Output Converter With Common Ground, High Scalability, and No Cross-Regulation. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6750-6760	7.2	6
247	Sequential Restorations of Complex Networks After Cascading Failures. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 400-411	7.3	19
246	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2665-2675	7.3	2
245	Synthesis of Multi-Input Multi-Output DC/DC Converters Without Energy Buffer Stages. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 712-716	3.5	10
244	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2512-2524	7.3	26
243	A Tutorial on Modeling and Analysis of Cascading Failure in Future Power Grids. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 49-55	3.5	13
242	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. <i>IEEE Systems Journal</i> , 2021 , 1-11	4.3	4
241	A Method of Seamless Transitions Between Different Operating Modes for Three-Port DC-DC Converters. <i>IEEE Access</i> , 2021 , 9, 59184-59195	3.5	5

240	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	0
239	Generalized Correntropy Sparse Gauss-Hermite Quadrature Filter for Epidemic Tracking on Complex Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-9	7.3	2
238	Comparative Study of COVID-19 Pandemic Progressions in 175 Regions in Australia, Canada, Italy, Japan, Spain, U.K. and USA Using a Novel Model That Considers Testing Capacity and Deficiency in Confirming Infected Cases. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 2836-2847	7.2	3
237	General Pathways to Higher Order Compensation Circuits for IPT Converters via Sensitivity Analysis. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9897-9906	7.2	2
236	Synthesis and Analysis of Three-Port DC/DC Converters with Two Bidirectional Ports Based on Power Flow Graph Technique. <i>Energies</i> , 2021 , 14, 5751	3.1	1
235	Stability and Multiconstraint Operating Region of Grid-Connected Modular Multilevel Converter Under Grid Phase Disturbance. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 12551-12564	7.2	3
234	Homoclinic Bifurcation of a Grid-Forming Voltage Source Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13176-13187	7.2	3
233	Impact of wind power uncertainty on cascading failure in cyberphysical power systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021 , 583, 126358	3.3	3
232	Sequential Attacker-Defender Game on Complex Networks Considering the Cascading Failure Process. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-12	4.5	0
231	Single-Inductor Multi-Input Multi-Output DCDC Converter With High Flexibility and Simple Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13104-13114	7.2	26
230	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8973-8984	7.2	31
229	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data. <i>PLoS ONE</i> , 2020 , 15, e0241171	3.7	28
228	BuckBoostBuck-Type Single-Switch Multistring Resonant LED Driver With High Power Factor and Passive Current Balancing. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 5132-5143	7.2	8
227	A Family of Hybrid IPT Topologies With Near Load-Independent Output and High Tolerance to Pad Misalignment. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 6867-6877	7.2	40
226	Circuits and Systems Issues in Power Electronics Penetrated Power Grid. <i>IEEE Open Journal of Circuits and Systems</i> , 2020 , 1, 140-156	1.7	16
225	Research on IPT Resonant Converters With High Misalignment Tolerance Using Multicoil Receiver Set. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3697-3712	7.2	23
224	Counteracting the Dynamical Degradation of Digital Chaos by Applying Stochastic Jump of Chaotic Orbits. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1930023	2.3	9
223	Sequential topology recovery of complex power systems based on reinforcement learning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 535, 122487	3.3	16

222	A thermal-aware VM consolidation mechanism with outage avoidance. <i>Software - Practice and Experience</i> , 2019 , 49, 906-920	2.5	4
221	Universal Switched-Capacitor Converter for DC-DC, AC-DC, and DC-AC Applications 2019 ,		1
220	Robustness Assessment and Enhancement of Power Grids From a Complex Network Perspective Using Decision Trees. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 833-837	3.5	4
219	Circuit Theoretic Considerations of LED Driving: Voltage-Source Versus Current-Source Driving. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4689-4702	7.2	18
218	Wide Design Range of Constant Output Current Using Double-Sided LC Compensation Circuits for Inductive-Power-Transfer Applications. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2364-2374	7.2	32
217	Cascading Failure of Cyber-Coupled Power Systems Considering Interactions Between Attack and Defense. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4323-4336	3.9	19
216	Design for continuous-current-mode operation of inductive-power-transfer converters with load-independent output. <i>IET Power Electronics</i> , 2019 , 12, 2458-2465	2.2	10
215	A More Efficient PFC Single-Coupled-Inductor Multiple-Output Electrolytic Capacitor-Less LED Driver With Energy-Flow-Path Optimization. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9052-9066	7.2	9
214	An IPT Battery Charger With Near Unity Power Factor and Load-Independent Constant Output Combating Design Constraints of Input Voltage and Transformer Parameters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7719-7727	7.2	46
213	Series-Connected Current-Source-Mode Multiple-Output Converters With High Step-Down Ratio and Simple Control. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10082-10093	7.2	2
212	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10245-10255	7.2	30
211	Stability Issue of Cascaded Systems With Consideration of Switching Ripple Interaction. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 7040-7052	7.2	9
210	ACDC LED Driver With an Additional Active Rectifier and a Unidirectional Auxiliary Circuit for AC Power Ripple Isolation. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 685-699	7.2	21
209	A Model for Growth of Markets of Products or Services Having Hierarchical Dependence. <i>IEEE Transactions on Network Science and Engineering</i> , 2019 , 6, 198-209	4.9	1
208	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1709-1725	7.2	21
207	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. <i>Neurocomputing</i> , 2018 , 289, 188-194	5.4	13
206	Optimal topologies for maximizing network transmission capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 495, 191-201	3.3	12
205	Current-Source-Mode Single-Inductor Multiple-Output LED Driver With Single Closed-Loop Control Achieving Independent Dimming Function. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 1198-1209	5.6	21

204	Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. <i>IEEE Access</i> , 2018 , 6, 10540-10552	7.2	15
203	Independent Control of Multicolor-Multistring LED Lighting Systems With Fully Switched-Capacitor-Controlled $\$LCC\$$ Resonant Network. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4293-4305	7.2	15
202	A General Approach to Programmable and Reconfigurable Emulation of Power Impedances. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 259-271	7.2	17
201	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4523-4534	7.2	91
200	Analysis of Output Current Characteristics for Higher Order Primary Compensation in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6807-6821	7.2	55
199	Approximate Discrete-Time Modeling of DCDC Converters With Consideration of the Effects of Pulse Width Modulation. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 7071-7082	7.2	19
198	Bifurcation in Transmission Networks Under Variation of Link Capacity. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850093	2	4
197	Effect of Malware Spreading on Propagation of Cascading Failure in Cyber-Coupled Power Systems 2018 ,		2
196	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4264-4272	11.9	12
195	Effects of traffic generation patterns on the robustness of complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 871-877	3.3	16
194	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6159-6170	7.2	27
193	Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy 2018 ,		2
192	Higher Order Compensation for Inductive-Power-Transfer Converters With Constant-Voltage or Constant-Current Output Combating Transformer Parameter Constraints. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 394-405	7.2	120
191	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1170-1185	7.2	13
190	Accurate Capacitive Current Balancing in Multistring LED Lighting Systems Based on Switched-Capacitor-Controlled $\$LCC\$$ Resonant Network. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2167-2179	7.2	13
189	Modeling the Dynamics of Cascading Failures in Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017 , 7, 192-204	5.2	48
188	Effects of Cyber Coupling on Cascading Failures in Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017 , 7, 228-238	5.2	46
187	Bifurcation and Large-Signal Stability Analysis of Three-Phase Voltage Source Converter Under Grid Voltage Dips. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8868-8879	7.2	73

186	Fast linear control for maximum energy efficiency of wireless power transfer systems 2017 ,		1
185	Self-Oscillating Resonant Converter With Contactless Power Transfer and Integrated Current Sensing Transformer. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 4839-4851	7.2	30
184	Design of a Single-Stage Inductive-Power-Transfer Converter for Efficient EV Battery Charging. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 5808-5821	6.8	70
183	Modeling cascading failure propagation in power systems 2017 ,		2
182	Control and Modulation of Bidirectional Single-Phase AC/DC Three-Phase-Leg SPWM Converters With Active Power Decoupling and Minimal Storage Capacitance. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4226-4240	7.2	28
181	An Alternative Approach to LED Driver Design Based on High-Voltage Driving. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2465-2475	7.2	22
180	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 2010-2021	3.9	52
179	A network model for growth of publications and citations. <i>Journal of Complex Networks</i> , 2016 , cnw019	1.7	3
178	A survey, classification, and critical review of light-emitting diode drivers. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 1503-1516	7.2	119
177	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1795-1805	11.9	21
176	Augmented Buck Converter Design using Resonant Circuits for Fast Transient Recovery. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 5666-5679	7.2	12
175	A modified quantized kernel least mean square algorithm for prediction of chaotic time series 2016 , 48, 130-136		30
174	A General Model for Studying Time Evolution of Transition Networks. <i>Understanding Complex Systems</i> , 2016 , 373-393	0.4	
173	A universal model for growth of user population of products and services. <i>Network Science</i> , 2016 , 4, 491-507	3	
172	Advanced Algorithms for Local Routing Strategy on Complex Networks. <i>PLoS ONE</i> , 2016 , 11, e0156756	3.7	5
171	Modeling of unbalanced three-phase driving-point impedance with application to control of grid-connected power converters. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 851-873	2	6
170	Rapidly Replanning A* 2016 ,		6
169	Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving 2016 ,		6

168	Multiobjective path planning on uneven terrains based on NAMOA* 2016 ,		5
167	A class of improved least sum of exponentials algorithms. <i>Signal Processing</i> , 2016 , 128, 340-349	4.4	18
166	A general stochastic model for studying time evolution of transition networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 464, 198-210	3.3	13
165	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4756-4769	6.8	62
164	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 916-925	3.9	116
163	Synchronization in Directed Complex Networks Using Graph Comparison Tools. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 1185-1194	3.9	23
162	An Improved LCLC Current-Source-Output Multistring LED Driver With Capacitive Current Balancing. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 5783-5791	7.2	57
161	Concept of Node Usage Probability From Complex Networks and Its Applications to Communication Network Design. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 1195-1204	3.9	20
160	Precise Characteristics Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 101-110	5.6	46
159	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 601-611	11.9	43
158	Assessment of Robustness of Power Systems From a Network Perspective. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2015 , 5, 456-464	5.2	65
157	Bifurcation Analysis and Experimental Study of a Multi-Operating-Mode Photovoltaic-Battery Hybrid Power System. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2015 , 5, 316-325	5.2	14
156	A power and thermal-aware virtual machine allocation mechanism for Cloud data centers 2015 ,		8
155	Kernel Least Mean Square with Single Feedback. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 953-957	3.2	24
154	Effects of Interaction of Power Converters Coupled via Power Grid: A Design-Oriented Study. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3589-3600	7.2	51
153	Analysis and Control of Series/Series-Parallel Compensated Resonant Converter for Contactless Power Transfer. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 124-136	5.6	108
152	Design of a Current-Source-Output Inductive Power Transfer LED Lighting System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 306-314	5.6	52
151	Novel cubature Kalman filtering for systems involving nonlinear states and linear measurements. <i>AEU - International Journal of Electronics and Communications</i> , 2015 , 69, 314-320	2.8	15

150	Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6284-6295	8.9	38
149	. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6329-6337	7.2	210
148	An Improved Dynamic Z* Algorithm for Rapid Replanning of Energy-Efficient Paths 2015 ,		5
147	Rapid replanning of energy-efficient paths for navigation on uneven terrains 2015 ,		5
146	Transient response of three-phase voltage-source converters under grid-side faults 2015 ,		1
145	Optimizing Performance of Communication Networks: An Application of Network Science. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 95-99	3.5	20
144	Load-Independent Duality of Current and Voltage Outputs of a Series- or Parallel-Compensated Inductive Power Transfer Converter With Optimized Efficiency. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2015 , 3, 137-146	5.6	68
143	Classification of Auxiliary Circuit Schemes for Feeding Fast Load Transients in Switching Power Supplies. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 930-942	3.9	10
142	Pre-Energized Auxiliary Circuits for Very Fast Transient Loads: Coping With Load-Informed Power Management for Computer Loads. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 637-648	3.9	12
141	A Class of Stable Square-Root Nonlinear Information Filters. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1893-1898	5.9	28
140	A Current Balancing Scheme With High Luminous Efficacy for High-Power LED Lighting. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2649-2654	7.2	29
139	Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 1788-1798	8.9	37
138	Spherical Simplex-Radial Cubature Kalman Filter. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 43-46	3.2	59
137	Load-independent current output of inductive power transfer converters with optimized efficiency 2014 ,		6
136	A Family of Exponential Step-Down Switched-Capacitor Converters and Their Applications in Two-Stage Converters. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 1870-1880	7.2	45
135	Global similarity tests of physical designs of circuits: A complex network approach. <i>Applied Mathematics and Computation</i> , 2014 , 230, 96-103	2.7	9
134	An Optimized Track Length in Roadway Inductive Power Transfer Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2014 , 2, 598-608	5.6	67
133	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4665-4673	8.9	18

132	Design for Efficiency Optimization and Voltage Controllability of Series-Series Compensated Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 191-200	7.2	315
131	Resonant augmentation circuits for a buck converter achieving minimum-time voltage recovery from load transients 2014 ,		1
130	Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm 2014 ,		25
129	Design consideration of LCL-filter for three-phase voltage source inverter in distributed power grid 2014 ,		1
128	Design methodology of a series-series inductive power transfer system for electric vehicle battery charger application 2014 ,		19
127	An ACO-based off-line path planner for nonholonomic mobile robots 2014 ,		6
126	Steady-State Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter 2014 ,		6
125	Traffic congestion in interconnected complex networks. <i>Physical Review E</i> , 2014 , 89, 062813	2.4	75
124	Finding energy-efficient paths on uneven terrains 2014 ,		7
123	Analysis and Comparison of Secondary Series- and Parallel-Compensated Inductive Power Transfer Systems Operating for Optimal Efficiency and Load-Independent Voltage-Transfer Ratio. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 2979-2990	7.2	234
122	SMOOTH AND NONSMOOTH BIFURCATIONS IN MULTI-STRUCTURE MULTI-OPERATING-MODE HYBRID POWER SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350094	2	14
121	Fault Diagnosis of Analog Circuits Using Systematic Tests Based on Data Fusion. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 525-539	2.2	10
120	Low-Frequency Hopf Bifurcation and Its Effects on Stability Margin in Three-Phase PFC Power Supplies Connected to Non-Ideal Power Grid. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 3328-3340	3.9	35
119	Stability of interacting grid-connected power converters. <i>Journal of Modern Power Systems and Clean Energy</i> , 2013 , 1, 249-257	4	9
118	Analysis of Communication Network Performance From a Complex Network Perspective. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 3303-3316	3.9	52
117	Pre-energized compact auxiliary circuit to buffer loads from fast transients with the goal of managing load-informed power 2013 ,		1
116	Nonlinear Behavior and Instability in a Three-Phase Boost Rectifier Connected to a Nonideal Power Grid With an Interacting Load. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 3255-3265	7.2	26
115	. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2377-2388	7.2	25

114	. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 1807-1816	7.2	100
113	Bifurcation Analysis of Standalone Photovoltaic-Battery Hybrid Power System. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 1354-1365	3.9	53
112	Analysis of the Characteristic of the Kalman Gain for 1-D Chaotic Maps in Cubature Kalman Filter. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 229-232	3.2	14
111	Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 1062-1071	3.9	36
110	Analysis and comparison of secondary series- and parallel-compensated IPT systems 2013 ,		4
109	On Energy Efficiency of Switched-Capacitor Converters. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 862-876	7.2	100
108	Design and Analysis of $\$LCC\$$ Resonant Network for Quasi-Lossless Current Balancing in Multistring AC-LED Array. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 1047-1059	7.2	31
107	Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain 2013 ,		20
106	Energy efficient LED driving system for large-scale Video display panel 2013 ,		2
105	Current-fed isolated PFC pre-regulator for multiple LED lamps with extended lifetime. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 759-775	2	6
104	. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 4637-4645	8.9	21
103	On the Color Stability of Phosphor-Converted White LEDs Under DC, PWM, and Bilevel Drive. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 974-984	7.2	46
102	Compensation technique for optimized efficiency and voltage controllability of IPT systems 2012 ,		11
101	Anti-windup dual-loop control of DFIG under unbalanced voltage conditions 2012 ,		1
100	Quasi-Maximum Efficiency Point Tracking for Direct Methanol Fuel Cell in DMFC/Supercapacitor Hybrid Energy System. <i>IEEE Transactions on Energy Conversion</i> , 2012 , 27, 561-571	5.4	20
99	Contactless electronic ballast for high brightness LED lamps with positionally dimmed method 2012 ,		3
98	Study on co-occurrence character networks from Chinese essays in different periods. <i>Science China Information Sciences</i> , 2012 , 55, 2417-2427	3.4	8
97	IRREVERSIBLE BIFURCATION PHENOMENON IN POWER-GRID CONNECTED CONVERTER SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250155	2	

96	Dynamics of Network of Global Stock Markets. <i>Accounting and Finance Research</i> , 2012 , 1,	0.2	8
95	A stochastic traffic modeling approach for 802.11p VANET broadcasting performance evaluation 2012 ,		9
94	An Analysis on the Delay-Aware Data Collection Network Structure Using Pareto Optimality 2012 ,		3
93	A COMPLEX NETWORK PERSPECTIVE OF WORLD STOCK MARKETS: SYNCHRONIZATION AND VOLATILITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250142	2	26
92	Irreversible instability in three-phase voltage-source converter connected to non-ideal power grid with interacting load 2012 ,		2
91	Color control in RGB driver system applicable to LED of all ageing conditions 2012 ,		2
90	A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2011 , 11, 699-710	4	61
89	Resonance-Assisted Buck Converter for Offline Driving of Power LED Replacement Lamps. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 532-540	7.2	83
88	A study of sectional tracks in roadway inductive power transfer system 2011 ,		15
87	Adaptive Mixed On-Time and Switching Frequency Control of a System of Interleaved Switched-Capacitor Converters. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 364-380	7.2	67
86	Stationary and Adaptive Color-Shift Reduction Methods Based on the Bilevel Driving Technique for Phosphor-Converted White LEDs. <i>IEEE Transactions on Power Electronics</i> , 2011 , 26, 1943-1953	7.2	22
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