

# Chi K Tse

## List of Publications by Year in descending order

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273  
papers

11,973  
citations

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34986

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275  
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275  
docs citations

275  
times ranked

7039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. IEEE Systems Journal, 2022, 16, 499-509.	4.6	4
2	Generalized Correntropy Sparse Gauss-Hermite Quadrature Filter for Epidemic Tracking on Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2770-2778.	9.3	8
3	Overall Loss Compensation and Optimization Control in Single-Stage Inductive Power Transfer Converter Delivering Constant Power. IEEE Transactions on Power Electronics, 2022, 37, 1146-1158.	7.9	24
4	Sequential Attacker-Defender Game on Complex Networks Considering the Cascading Failure Process. IEEE Transactions on Computational Social Systems, 2022, 9, 518-529.	4.4	5
5	Inductive Power Transfer System With Maximum Efficiency Tracking Control and Real-Time Mutual Inductance Estimation. IEEE Transactions on Power Electronics, 2022, 37, 6156-6167.	7.9	11
6	Integrating Reinforcement Learning and Optimal Power Dispatch to Enhance Power Grid Resilience. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1402-1406.	3.0	9
7	A Nonisolated Three-Port DC-DC Converter With Two Bidirectional Ports and Fewer Components. IEEE Transactions on Power Electronics, 2022, 37, 8207-8216.	7.9	14
8	Effects of High Level of Penetration of Renewable Energy Sources on Cascading Failure of Modern Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 98-106.	3.6	16
9	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. IEEE Transactions on Power Electronics, 2022, 37, 9212-9225.	7.9	4
10	Robustness analysis of cyber-coupled power systems with considerations of interdependence of structures, operations and dynamic behaviors. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127215.	2.6	4
11	Synthesis of Reconfigurable and Scalable Single-Inductor Multiport Converters With No Cross Regulation. IEEE Transactions on Power Electronics, 2022, 37, 10889-10902.	7.9	5
12	Evaluating the Randomness of Chaotic Binary Sequences Via a Novel Period Detection Algorithm. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	7
13	Sequential Restorations of Complex Networks After Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 400-411.	9.3	44
14	A Three-Layer Model for Studying Metro Network Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2665-2675.	9.3	6
15	Synthesis of Multi-Input Multi-Output DC/DC Converters Without Energy Buffer Stages. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 712-716.	3.0	21
16	Logarithmic Hyperbolic Cosine Adaptive Filter and Its Performance Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2512-2524.	9.3	63
17	A Tutorial on Modeling and Analysis of Cascading Failure in Future Power Grids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 49-55.	3.0	25
18	A Method of Seamless Transitions Between Different Operating Modes for Three-Port DC-DC Converters. IEEE Access, 2021, 9, 59184-59195.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. IEEE Systems Journal, 2021, , 1-12.	4.6	1
20	Revealing Structural and Functional Vulnerability of Power Grids to Cascading Failures. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 133-143.	3.6	16
21	Homoclinic Bifurcation of a Voltage Source Converter with Second-Order Grid-Forming Control. , 2021, , .		1
22	Single-Inductor Multiple-Input Multiple-Output Converter With Common Ground, High Scalability, and No Cross-Regulation. IEEE Transactions on Power Electronics, 2021, 36, 6750-6760.	7.9	17
23	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. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2836-2847.	6.3	12
24	General Pathways to Higher Order Compensation Circuits for IPT Converters via Sensitivity Analysis. IEEE Transactions on Power Electronics, 2021, 36, 9897-9906.	7.9	7
25	Synthesis and Analysis of Three-Port DC/DC Converters with Two Bidirectional Ports Based on Power Flow Graph Technique. Energies, 2021, 14, 5751.	3.1	10
26	Stability and Multiconstraint Operating Region of Grid-Connected Modular Multilevel Converter Under Grid Phase Disturbance. IEEE Transactions on Power Electronics, 2021, 36, 12551-12564.	7.9	7
27	Homoclinic Bifurcation of a Grid-Forming Voltage Source Converter. IEEE Transactions on Power Electronics, 2021, 36, 13176-13187.	7.9	12
28	Impact of wind power uncertainty on cascading failure in cyber-physical power systems. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126358.	2.6	12
29	Research on IPT Resonant Converters With High Misalignment Tolerance Using Multicoil Receiver Set. IEEE Transactions on Power Electronics, 2020, 35, 3697-3712.	7.9	37
30	Buck-Boost-Type Single-Switch Multistring Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Transactions on Power Electronics, 2020, 35, 5132-5143.	7.9	21
31	A Family of Hybrid IPT Topologies With Near Load-Independent Output and High Tolerance to Pad Misalignment. IEEE Transactions on Power Electronics, 2020, 35, 6867-6877.	7.9	84
32	Comparison of Second-Order and Third-Order Compensation of Inductive Power Transfer Converters Based on Sensitivity Analysis. , 2020, , .		0
33	Power Grids in the Midst of Rapidly Increasing Penetration of Power Electronics. , 2020, , .		0
34	Single-Inductor Multi-Input Multi-Output DC-DC Converter with High Flexibility and Simple Control. , 2020, , .		8
35	Circuits and Systems Issues in Power Electronics Penetrated Power Grid. IEEE Open Journal of Circuits and Systems, 2020, 1, 140-156.	1.9	43
36	Effects of Coupling Patterns on Functionality and Robustness of Cyber-Coupled Power Systems. , 2020, , .		1

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37	Single-Inductor Multi-Input Multi-Output DC-DC Converter With High Flexibility and Simple Control. IEEE Transactions on Power Electronics, 2020, 35, 13104-13114.	7.9	60
38	A Single-Stage Inductive-Power-Transfer Converter for Constant-Power and Maximum-Efficiency Battery Charging. IEEE Transactions on Power Electronics, 2020, 35, 8973-8984.	7.9	77
39	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data. PLoS ONE, 2020, 15, e0241171.	2.5	52
40	Application of Current-Source-Mode Converters to Synthesis of Single-Input Dual-Output Regulators with No Cross Regulation. , 2020, , .		1
41	Circuit Theoretic Considerations of LED Driving: Voltage-Source Versus Current-Source Driving. IEEE Transactions on Power Electronics, 2019, 34, 4689-4702.	7.9	36
42	Wide Design Range of Constant Output Current Using Double-Sided LC Compensation Circuits for Inductive-Power-Transfer Applications. IEEE Transactions on Power Electronics, 2019, 34, 2364-2374.	7.9	50
43	Cascading Failure of Cyber-Coupled Power Systems Considering Interactions Between Attack and Defense. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4323-4336.	5.4	32
44	Counteracting the Dynamical Degradation of Digital Chaos by Applying Stochastic Jump of Chaotic Orbits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930023.	1.7	18
45	Sequential topology recovery of complex power systems based on reinforcement learning. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122487.	2.6	28
46	A thermal-aware VM consolidation mechanism with outage avoidance. Software - Practice and Experience, 2019, 49, 906-920.	3.6	4
47	Universal Switched-Capacitor Converter for DC-DC, AC-DC, and DC-AC Applications. , 2019, , .		2
48	Robustness Assessment and Enhancement of Power Grids From a Complex Network's Perspective Using Decision Trees. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 833-837.	3.0	8
49	Design for continuous-current-mode operation of inductive-power-transfer converters with load-independent output. IET Power Electronics, 2019, 12, 2458-2465.	2.1	19
50	A More Efficient PFC Single-Coupled-Inductor Multiple-Output Electrolytic Capacitor-Less LED Driver With Energy-Flow-Path Optimization. IEEE Transactions on Power Electronics, 2019, 34, 9052-9066.	7.9	19
51	An IPT Battery Charger With Near Unity Power Factor and Load-Independent Constant Output Combating Design Constraints of Input Voltage and Transformer Parameters. IEEE Transactions on Power Electronics, 2019, 34, 7719-7727.	7.9	92
52	Series-Connected Current-Source-Mode Multiple-Output Converters With High Step-Down Ratio and Simple Control. IEEE Transactions on Power Electronics, 2019, 34, 10082-10093.	7.9	6
53	An Inductive-Power-Transfer Converter With High Efficiency Throughout Battery-Charging Process. IEEE Transactions on Power Electronics, 2019, 34, 10245-10255.	7.9	70
54	Stability Issue of Cascaded Systems With Consideration of Switching Ripple Interaction. IEEE Transactions on Power Electronics, 2019, 34, 7040-7052.	7.9	15

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55	AC-DC LED Driver With an Additional Active Rectifier and a Unidirectional Auxiliary Circuit for AC Power Ripple Isolation. IEEE Transactions on Power Electronics, 2019, 34, 685-699.	7.9	34
56	A Model for Growth of Markets of Products or Services Having Hierarchical Dependence. IEEE Transactions on Network Science and Engineering, 2019, 6, 198-209.	6.4	6
57	A PFC Single-Coupled-Inductor Multiple-Output LED Driver Without Electrolytic Capacitor. IEEE Transactions on Power Electronics, 2019, 34, 1709-1725.	7.9	43
58	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. Neurocomputing, 2018, 289, 188-194.	5.9	18
59	Optimal topologies for maximizing network transmission capacity. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 191-201.	2.6	15
60	Current-Source-Mode Single-Inductor Multiple-Output LED Driver With Single Closed-Loop Control Achieving Independent Dimming Function. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1198-1209.	5.4	46
61	Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. IEEE Access, 2018, 6, 10540-10552.	4.2	19
62	Independent Control of Multicolor-Multistring LED Lighting Systems With Fully Switched-Capacitor-Controlled LLC Resonant Network. IEEE Transactions on Power Electronics, 2018, 33, 4293-4305.	7.9	28
63	A General Approach to Programmable and Reconfigurable Emulation of Power Impedances. IEEE Transactions on Power Electronics, 2018, 33, 259-271.	7.9	30
64	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 4523-4534.	7.9	160
65	Analysis of Output Current Characteristics for Higher Order Primary Compensation in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 6807-6821.	7.9	83
66	Approximate Discrete-Time Modeling of DC-DC Converters With Consideration of the Effects of Pulse Width Modulation. IEEE Transactions on Power Electronics, 2018, 33, 7071-7082.	7.9	31
67	Effects of traffic generation patterns on the robustness of complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 871-877.	2.6	19
68	Single-Phase LED Drivers With Minimal Power Processing, Constant Output Current, Input Power Factor Correction, and Without Electrolytic Capacitor. IEEE Transactions on Power Electronics, 2018, 33, 6159-6170.	7.9	48
69	Analysis of Basic Structures of Interconnected Converters for Single-Input Multiple-Output Applications. , 2018, , .		2
70	Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy. , 2018, , .		4
71	Bifurcation in Transmission Networks Under Variation of Link Capacity. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850093.	1.7	5
72	Effect of Malware Spreading on Propagation of Cascading Failure in Cyber-Coupled Power Systems. , 2018, , .		3

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73	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.	11.3	24
74	Higher Order Compensation for Inductive-Power-Transfer Converters With Constant-Voltage or Constant-Current Output Combating Transformer Parameter Constraints. IEEE Transactions on Power Electronics, 2017, 32, 394-405.	7.9	169
75	Optimal Design of Complex Switched-Capacitor Converters Via Energy-Flow-Path Analysis. IEEE Transactions on Power Electronics, 2017, 32, 1170-1185.	7.9	19
76	Accurate Capacitive Current Balancing in Multistring LED Lighting Systems Based on Switched-Capacitor-Controlled \$LCC\$ Resonant Network. IEEE Transactions on Power Electronics, 2017, 32, 2167-2179.	7.9	16
77	Modeling the Dynamics of Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 192-204.	3.6	68
78	Effects of Cyber Coupling on Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 228-238.	3.6	63
79	Bifurcation and Large-Signal Stability Analysis of Three-Phase Voltage Source Converter Under Grid Voltage Dips. IEEE Transactions on Power Electronics, 2017, 32, 8868-8879.	7.9	108
80	Fast linear control for maximum energy efficiency of wireless power transfer systems. , 2017, , .		1
81	Self-Oscillating Resonant Converter With Contactless Power Transfer and Integrated Current Sensing Transformer. IEEE Transactions on Power Electronics, 2017, 32, 4839-4851.	7.9	49
82	Design of a Single-Stage Inductive-Power-Transfer Converter for Efficient EV Battery Charging. IEEE Transactions on Vehicular Technology, 2017, 66, 5808-5821.	6.3	120
83	Optimal resource allocation with node and link capacity constraints in complex networks. , 2017, , .		1
84	Modeling cascading failure propagation in power systems. , 2017, , .		2
85	A universal model for growth of user population of products and services. Network Science, 2016, 4, 491-507.	1.0	4
86	Advanced Algorithms for Local Routing Strategy on Complex Networks. PLoS ONE, 2016, 11, e0156756.	2.5	10
87	Modeling of unbalanced three-phase driving-point impedance with application to control of grid-connected power converters. International Journal of Circuit Theory and Applications, 2016, 44, 851-873.	2.0	8
88	Rapidly Replanning A*. , 2016, , .		8
89	Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving. , 2016, , .		8
90	Multiobjective path planning on uneven terrains based on NAMOA. , 2016, , .		7

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91	A class of improved least sum of exponentials algorithms. Signal Processing, 2016, 128, 340-349.	3.7	23
92	A general stochastic model for studying time evolution of transition networks. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 198-210.	2.6	13
93	An Encryption Scheme Based on Synchronization of Two-Layered Complex Dynamical Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2010-2021.	5.4	62
94	A survey, classification, and critical review of light-emitting diode drivers. IEEE Transactions on Power Electronics, 2016, 31, 1503-1516.	7.9	197
95	Distributed Antiflocking Algorithms for Dynamic Coverage of Mobile Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 1795-1805.	11.3	42
96	Augmented Buck Converter Design using Resonant Circuits for Fast Transient Recovery. IEEE Transactions on Power Electronics, 2016, 31, 5666-5679.	7.9	15
97	A modified quantized kernel least mean square algorithm for prediction of chaotic time series. , 2016, 48, 130-136.		38
98	Control and Modulation of Bidirectional Single-Phase AC-DC Three-Phase-Leg SPWM Converters With Active Power Decoupling and Minimal Storage Capacitance. IEEE Transactions on Power Electronics, 2016, 31, 4226-4240.	7.9	46
99	An Alternative Approach to LED Driver Design Based on High-Voltage Driving. IEEE Transactions on Power Electronics, 2016, 31, 2465-2475.	7.9	32
100	A General Model for Studying Time Evolution of Transition Networks. Understanding Complex Systems, 2016, , 373-393.	0.6	0
101	Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 6284-6295.	7.9	56
102	Hybrid IPT Topologies With Constant Current or Constant Voltage Output for Battery Charging Applications. IEEE Transactions on Power Electronics, 2015, 30, 6329-6337.	7.9	342
103	An Improved Dynamic Z* Algorithm for Rapid Replanning of Energy-Efficient Paths. , 2015, , .		5
104	Rapid replanning of energy-efficient paths for navigation on uneven terrains. , 2015, , .		7
105	Transient response of three-phase voltage-source converters under grid-side faults. , 2015, , .		4
106	Optimizing Performance of Communication Networks: An Application of Network Science. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 95-99.	3.0	24
107	Load-Independent Duality of Current and Voltage Outputs of a Series- or Parallel-Compensated Inductive Power Transfer Converter With Optimized Efficiency. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 137-146.	5.4	109
108	A Methodology for Studying 802.11p VANET Broadcasting Performance With Practical Vehicle Distribution. IEEE Transactions on Vehicular Technology, 2015, 64, 4756-4769.	6.3	74



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109	Impedance-Based Local Stability Criterion for DC Distributed Power Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 916-925.	5.4	193
110	Synchronization in Directed Complex Networks Using Graph Comparison Tools. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1185-1194.	5.4	30
111	An Improved <i>LCLC</i> Current-Source-Output Multistring LED Driver With Capacitive Current Balancing. IEEE Transactions on Power Electronics, 2015, 30, 5783-5791.	7.9	78
112	Concept of Node Usage Probability From Complex Networks and Its Applications to Communication Network Design. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1195-1204.	5.4	25
113	Precise Characteristics Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 101-110.	5.4	68
114	A Constraint-Aware Heuristic Path Planner for Finding Energy-Efficient Paths on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2015, 11, 601-611.	11.3	61
115	Assessment of Robustness of Power Systems From a Network Perspective. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 456-464.	3.6	91
116	Bifurcation Analysis and Experimental Study of a Multi-Operating-Mode Photovoltaic-Battery Hybrid Power System. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 316-325.	3.6	21
117	A power and thermal-aware virtual machine allocation mechanism for Cloud data centers. , 2015, , .		11
118	Kernel Least Mean Square with Single Feedback. IEEE Signal Processing Letters, 2015, 22, 953-957.	3.6	33
119	Effects of Interaction of Power Converters Coupled via Power Grid: A Design-Oriented Study. IEEE Transactions on Power Electronics, 2015, 30, 3589-3600.	7.9	75
120	Analysis and Control of Series/Series-Parallel Compensated Resonant Converter for Contactless Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 124-136.	5.4	147
121	Design of a Current-Source-Output Inductive Power Transfer LED Lighting System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 306-314.	5.4	72
122	Novel cubature Kalman filtering for systems involving nonlinear states and linear measurements. AEU - International Journal of Electronics and Communications, 2015, 69, 314-320.	2.9	20
123	Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm. , 2014, , .		42
124	Design consideration of LCL-filter for three-phase voltage source inverter in distributed power grid. , 2014, , .		1
125	Design methodology of a series-series inductive power transfer system for electric vehicle battery charger application. , 2014, , .		26
126	An ACO-based off-line path planner for nonholonomic mobile robots. , 2014, , .		8



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127	Steady-State Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. , 2014, , .		9
128	Traffic congestion in interconnected complex networks. Physical Review E, 2014, 89, 062813.	2.1	90
129	Finding energy-efficient paths on uneven terrains. , 2014, , .		8
130	A flyback converter with multiple ports for power management in DC distribution systems. , 2014, , .		2
131	Analysis and Comparison of Secondary Series- and Parallel-Compensated Inductive Power Transfer Systems Operating for Optimal Efficiency and Load-Independent Voltage-Transfer Ratio. IEEE Transactions on Power Electronics, 2014, 29, 2979-2990.	7.9	340
132	Classification of Auxiliary Circuit Schemes for Feeding Fast Load Transients in Switching Power Supplies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 930-942.	5.4	12
133	Pre-Energized Auxiliary Circuits for Very Fast Transient Loads: Coping With Load-Informed Power Management for Computer Loads. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 637-648.	5.4	15
134	A Class of Stable Square-Root Nonlinear Information Filters. IEEE Transactions on Automatic Control, 2014, 59, 1893-1898.	5.7	31
135	A Current Balancing Scheme With High Luminous Efficacy for High-Power LED Lighting. IEEE Transactions on Power Electronics, 2014, 29, 2649-2654.	7.9	33
136	Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging. IEEE Transactions on Industrial Electronics, 2014, 61, 1788-1798.	7.9	51
137	Spherical Simplex-Radial Cubature Kalman Filter. IEEE Signal Processing Letters, 2014, 21, 43-46.	3.6	81
138	Load-independent current output of inductive power transfer converters with optimized efficiency. , 2014, , .		8
139	A Family of Exponential Step-Down Switched-Capacitor Converters and Their Applications in Two-Stage Converters. IEEE Transactions on Power Electronics, 2014, 29, 1870-1880.	7.9	59
140	Global similarity tests of physical designs of circuits: A complex network approach. Applied Mathematics and Computation, 2014, 230, 96-103.	2.2	10
141	An Optimized Track Length in Roadway Inductive Power Transfer Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 598-608.	5.4	88
142	Energy-Saving Driver Design for Full-Color Large-Area LED Display Panel Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 4665-4673.	7.9	23
143	Design for Efficiency Optimization and Voltage Controllability of Series-Compensated Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2014, 29, 191-200.	7.9	465
144	Resonant augmentation circuits for a buck converter achieving minimum-time voltage recovery from load transients. , 2014, , .		1

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145	SMOOTH AND NONSMOOTH BIFURCATIONS IN MULTI-STRUCTURE MULTI-OPERATING-MODE HYBRID POWER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350094.	1.7	15
146	Fault Diagnosis of Analog Circuits Using Systematic Tests Based on Data Fusion. Circuits, Systems, and Signal Processing, 2013, 32, 525-539.	2.0	15
147	Low-Frequency Hopf Bifurcation and Its Effects on Stability Margin in Three-Phase PFC Power Supplies Connected to Non-Ideal Power Grid. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3328-3340.	5.4	49
148	Recent advances in bridging time series and complex networks. , 2013, , .		2
149	Stability of interacting grid-connected power converters. Journal of Modern Power Systems and Clean Energy, 2013, 1, 249-257.	5.4	12
150	Analysis of Communication Network Performance From a Complex Network Perspective. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3303-3316.	5.4	72
151	A current balancing scheme with high luminous efficiency for high power LED lighting. , 2013, , .		2
152	Pre-energized compact auxiliary circuit to buffer loads from fast transients with the goal of managing load-informed power. , 2013, , .		3
153	Nonlinear Behavior and Instability in a Three-Phase Boost Rectifier Connected to a Nonideal Power Grid With an Interacting Load. IEEE Transactions on Power Electronics, 2013, 28, 3255-3265.	7.9	45
154	Transient Mitigation of DC-DC Converters for High Output Current Slew Rate Applications. IEEE Transactions on Power Electronics, 2013, 28, 2377-2388.	7.9	32
155	Adaptive Active Capacitor Converter for Improving Stability of Cascaded DC Power Supply System. IEEE Transactions on Power Electronics, 2013, 28, 1807-1816.	7.9	144
156	Bifurcation Analysis of Standalone Photovoltaic-Battery Hybrid Power System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1354-1365.	5.4	69
157	Analysis of the Characteristic of the Kalman Gain for 1-D Chaotic Maps in Cubature Kalman Filter. IEEE Signal Processing Letters, 2013, 20, 229-232.	3.6	20
158	Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1062-1071.	5.4	49
159	Analysis and comparison of secondary series- and parallel-compensated IPT systems. , 2013, , .		8
160	On Energy Efficiency of Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2013, 28, 862-876.	7.9	151
161	Design and Analysis of \$LCC\$ Resonant Network for Quasi-Lossless Current Balancing in Multistring AC-LED Array. IEEE Transactions on Power Electronics, 2013, 28, 1047-1059.	7.9	41
162	Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain. , 2013, , .		33

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163	Energy efficient LED driving system for large-scale Video display panel. , 2013, , .		2
164	A stochastic traffic modeling approach for 802.11p VANET broadcasting performance evaluation. , 2012, , .		12
165	An Analysis on the Delay-Aware Data Collection Network Structure Using Pareto Optimality. , 2012, , .		4
166	A COMPLEX NETWORK PERSPECTIVE OF WORLD STOCK MARKETS: SYNCHRONIZATION AND VOLATILITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250142.	1.7	34
167	Irreversible instability in three-phase voltage-source converter connected to non-ideal power grid with interacting load. , 2012, , .		2
168	Color control in RGB driver system applicable to LED of all ageing conditions. , 2012, , .		2
169	Contactless electronic ballast for high brightness LED lamps with mechanical dimming method. , 2012, , .		0
170	Sequential Variable Bilevel Driving Approach Suitable for Use in High-Color-Precision LED Display Panels. IEEE Transactions on Industrial Electronics, 2012, 59, 4637-4645.	7.9	23
171	On the Color Stability of Phosphor-Converted White LEDs Under DC, PWM, and Bilevel Drive. IEEE Transactions on Power Electronics, 2012, 27, 974-984.	7.9	62
172	Compensation technique for optimized efficiency and voltage controllability of IPT systems. , 2012, , .		16
173	Anti-windup dual-loop control of DFIG under unbalanced voltage conditions. , 2012, , .		5
174	Quasi-Maximum Efficiency Point Tracking for Direct Methanol Fuel Cell in DMFC/Supercapacitor Hybrid Energy System. IEEE Transactions on Energy Conversion, 2012, 27, 561-571.	5.2	28
175	Contactless electronic ballast for high brightness LED lamps with positionally dimmed method. , 2012, , .		3
176	Study on co-occurrence character networks from Chinese essays in different periods. Science China Information Sciences, 2012, 55, 2417-2427.	4.3	12
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