

# Chi K Tse

## List of Publications by Year in descending order

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273  
papers

11,973  
citations

23500

58  
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34900

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g-index

275  
all docs

275  
docs citations

275  
times ranked

7039  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design for Efficiency Optimization and Voltage Controllability of Series-Compensated Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2014, 29, 191-200.	5.4	465
2	General Design Issues of Sliding-Mode Controllers in DC-DC Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 1160-1174.	5.2	461
3	Hybrid IPT Topologies With Constant Current or Constant Voltage Output for Battery Charging Applications. IEEE Transactions on Power Electronics, 2015, 30, 6329-6337.	5.4	342
4	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.	5.4	340
5	DC/DC Conversion Systems Consisting of Multiple Converter Modules: Stability, Control, and Experimental Verifications. IEEE Transactions on Power Electronics, 2009, 24, 1463-1474.	5.4	312
6	A network perspective of the stock market. Journal of Empirical Finance, 2010, 17, 659-667.	0.9	299
7	Full Feedforward of Grid Voltage for Grid-Connected Inverter With LCL Filter to Suppress Current Distortion Due to Grid Voltage Harmonics. IEEE Transactions on Power Electronics, 2010, 25, 3119-3127.	5.4	298
8	Synthesis of Multiple-Input DC/DC Converters. IEEE Transactions on Power Electronics, 2010, 25, 2372-2385.	5.4	250
9	Analysis, Design, and Control of a Transcutaneous Power Regulator for Artificial Hearts. IEEE Transactions on Biomedical Circuits and Systems, 2009, 3, 23-31.	2.7	210
10	A survey, classification, and critical review of light-emitting diode drivers. IEEE Transactions on Power Electronics, 2016, 31, 1503-1516.	5.4	197
11	Control Strategy for Input-Series-Output-Parallel Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 1174-1185.	5.2	196
12	Indirect Sliding Mode Control of Power Converters Via Double Integral Sliding Surface. IEEE Transactions on Power Electronics, 2008, 23, 600-611.	5.4	193
13	Impedance-Based Local Stability Criterion for DC Distributed Power Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 916-925.	3.5	193
14	A Fast-Response Sliding-Mode Controller for Boost-Type Converters With a Wide Range of Operating Conditions. IEEE Transactions on Industrial Electronics, 2007, 54, 3276-3286.	5.2	181
15	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.	5.4	169
16	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 4523-4534.	5.4	160
17	On Energy Efficiency of Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2013, 28, 862-876.	5.4	151
18	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.	3.7	147

#	ARTICLE	IF	CITATIONS
19	Adaptive Active Capacitor Converter for Improving Stability of Cascaded DC Power Supply System. IEEE Transactions on Power Electronics, 2013, 28, 1807-1816.	5.4	144
20	Circuit Theoretic Classification of Parallel Connected DC&ndash;DC Converters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1099-1108.	0.1	125
21	Design of a Single-Stage Inductive-Power-Transfer Converter for Efficient EV Battery Charging. IEEE Transactions on Vehicular Technology, 2017, 66, 5808-5821.	3.9	120
22	On Driving Techniques for LEDs: Toward a Generalized Methodology. IEEE Transactions on Power Electronics, 2009, 24, 2967-2976.	5.4	118
23	Bilevel Current Driving Technique for LEDs. IEEE Transactions on Power Electronics, 2009, 24, 2920-2932.	5.4	114
24	Noncascading Structure for Electronic Ballast Design for Multiple LED Lamps With Independent Brightness Control. IEEE Transactions on Power Electronics, 2010, 25, 331-340.	5.4	114
25	A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 699-710.	2.4	113
26	Resonance-Assisted Buck Converter for Offline Driving of Power LED Replacement Lamps. IEEE Transactions on Power Electronics, 2011, 26, 532-540.	5.4	110
27	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.	3.7	109
28	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.	5.4	108
29	SMALL WORLD AND SCALE FREE MODEL OF TRANSMISSION OF SARS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1745-1755.	0.7	92
30	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.	5.4	92
31	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.	2.7	91
32	Traffic congestion in interconnected complex networks. Physical Review E, 2014, 89, 062813.	0.8	90
33	An Optimized Track Length in Roadway Inductive Power Transfer Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 598-608.	3.7	88
34	Adaptive Mixed On-Time and Switching Frequency Control of a System of Interleaved Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2011, 26, 364-380.	5.4	84
35	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.	5.4	84
36	Analysis of Output Current Characteristics for Higher Order Primary Compensation in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 6807-6821.	5.4	83

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37	Coexisting Fast-Scale and Slow-Scale Instability in Current-Mode Controlled DC/DC Converters: Analysis, Simulation and Experimental Results. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3335-3348.	3.5	82
38	Spherical Simplex-Radial Cubature Kalman Filter. IEEE Signal Processing Letters, 2014, 21, 43-46.	2.1	81
39	An Improved <i>LCLC</i> Current-Source-Output Multistring LED Driver With Capacitive Current Balancing. IEEE Transactions on Power Electronics, 2015, 30, 5783-5791.	5.4	78
40	A Single-Stage Inductive-Power-Transfer Converter for Constant-Power and Maximum-Efficiency Battery Charging. IEEE Transactions on Power Electronics, 2020, 35, 8973-8984.	5.4	77
41	Fast-scale instability in a PFC boost converter under average current-mode control. International Journal of Circuit Theory and Applications, 2003, 31, 611-624.	1.3	76
42	APPLYING RESONANT PARAMETRIC PERTURBATION TO CONTROL CHAOS IN THE BUCK DC/DC CONVERTER WITH PHASE SHIFT AND FREQUENCY MISMATCH CONSIDERATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3459-3471.	0.7	76
43	Effects of Interaction of Power Converters Coupled via Power Grid: A Design-Oriented Study. IEEE Transactions on Power Electronics, 2015, 30, 3589-3600.	5.4	75
44	A Methodology for Studying 802.11p VANET Broadcasting Performance With Practical Vehicle Distribution. IEEE Transactions on Vehicular Technology, 2015, 64, 4756-4769.	3.9	74
45	Analysis of Communication Network Performance From a Complex Network Perspective. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3303-3316.	3.5	72
46	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.	3.7	72
47	An Inductive-Power-Transfer Converter With High Efficiency Throughout Battery-Charging Process. IEEE Transactions on Power Electronics, 2019, 34, 10245-10255.	5.4	70
48	Bifurcation Analysis of Standalone Photovoltaic-Battery Hybrid Power System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1354-1365.	3.5	69
49	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.	3.7	68
50	Modeling the Dynamics of Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 192-204.	2.7	68
51	Fast-scale bifurcation in single-stage PFC power supplies operating with DCM boost stage and CCM forward stage. International Journal of Circuit Theory and Applications, 2006, 34, 341-355.	1.3	64
52	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.	2.7	63
53	Logarithmic Hyperbolic Cosine Adaptive Filter and Its Performance Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2512-2524.	5.9	63
54	On the Color Stability of Phosphor-Converted White LEDs Under DC, PWM, and Bilevel Drive. IEEE Transactions on Power Electronics, 2012, 27, 974-984.	5.4	62

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55	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.	3.5	62
56	A Clustering Algorithm for Wireless Sensor Networks Based on Social Insect Colonies. IEEE Sensors Journal, 2011, 11, 711-721.	2.4	61
57	A Constraint-Aware Heuristic Path Planner for Finding Energy-Efficient Paths on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2015, 11, 601-611.	7.2	61
58	Single-Inductor Multi-Input Multi-Output DC-DC Converter With High Flexibility and Simple Control. IEEE Transactions on Power Electronics, 2020, 35, 13104-13114.	5.4	60
59	Fast-scale bifurcation in power-factor-correction buck-boost converters and effects of incompatible periodicities. International Journal of Circuit Theory and Applications, 2006, 34, 251-264.	1.3	59
60	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.	5.4	59
61	Complex network structure of musical compositions: Algorithmic generation of appealing music. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 126-132.	1.2	57
62	BIFURCATION BEHAVIOR OF A POWER-FACTOR-CORRECTION BOOST CONVERTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3107-3114.	0.7	56
63	Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 6284-6295.	5.2	56
64	General Control Considerations for Input-Series Connected DC/DC Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1286-1296.	3.5	55
65	Variable Structure Modeling and Design of Switched-Capacitor Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2132-2142.	3.5	54
66	A Unified Approach for the Derivation of Robust Control for Boost PFC Converters. IEEE Transactions on Power Electronics, 2009, 24, 2531-2544.	5.4	53
67	Constructing Short-Length Irregular LDPC Codes with Low Error Floor. IEEE Transactions on Communications, 2010, 58, 2823-2834.	4.9	53
68	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data. PLoS ONE, 2020, 15, e0241171.	1.1	52
69	Comments on "Unified Analysis of Switched-Capacitor Resonant Converters". IEEE Transactions on Industrial Electronics, 2007, 54, 684-685.	5.2	51
70	Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging. IEEE Transactions on Industrial Electronics, 2014, 61, 1788-1798.	5.2	51
71	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.	5.4	50
72	Characterization of the dynamic response of proton exchange membrane fuel cells - A numerical study. International Journal of Hydrogen Energy, 2010, 35, 11861-11877.	3.8	49

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73	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.	3.5	49
74	Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1062-1071.	3.5	49
75	Self-Oscillating Resonant Converter With Contactless Power Transfer and Integrated Current Sensing Transformer. IEEE Transactions on Power Electronics, 2017, 32, 4839-4851.	5.4	49
76	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.	5.4	48
77	Color Control System for RGB LED Light Sources Using Junction Temperature Measurement. , 2007, , .		46
78	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.	5.4	46
79	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.	3.7	46
80	Slow-Scale Instability of Single-Stage Power-Factor-Correction Power Supplies. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1724-1735.	0.1	45
81	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.	5.4	45
82	Sequential Restorations of Complex Networks After Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 400-411.	5.9	44
83	Temperature Measurement Technique for Stabilizing the Light Output of RGB LED Lamps. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 661-670.	2.4	43
84	A theoretical study of inlet relative humidity control in PEM fuel cell. International Journal of Hydrogen Energy, 2011, 36, 11871-11885.	3.8	43
85	DESIGN-ORIENTED BIFURCATION ANALYSIS OF POWER ELECTRONICS SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1523-1537.	0.7	43
86	A PFC Single-Coupled-Inductor Multiple-Output LED Driver Without Electrolytic Capacitor. IEEE Transactions on Power Electronics, 2019, 34, 1709-1725.	5.4	43
87	Circuits and Systems Issues in Power Electronics Penetrated Power Grid. IEEE Open Journal of Circuits and Systems, 2020, 1, 140-156.	1.4	43
88	Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm. , 2014, , .		42
89	Distributed Antiflocking Algorithms for Dynamic Coverage of Mobile Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 1795-1805.	7.2	42
90	Practical Design and Evaluation of a 1 kW PFC Power Supply Based on Reduced Redundant Power Processing Principle. IEEE Transactions on Industrial Electronics, 2008, 55, 665-673.	5.2	41

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91	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.	5.4	41
92	COMPLEX INTERMITTENCY IN SWITCHING CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 121-140.	0.7	40
93	A modified quantized kernel least mean square algorithm for prediction of chaotic time series. , 2016, 48, 130-136.		38
94	Sustained Slow-Scale Oscillation in Higher Order Current-Mode Controlled Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 489-493.	2.2	37
95	Research on IPT Resonant Converters With High Misalignment Tolerance Using Multicoil Receiver Set. IEEE Transactions on Power Electronics, 2020, 35, 3697-3712.	5.4	37
96	Circuit Theoretic Considerations of LED Driving: Voltage-Source Versus Current-Source Driving. IEEE Transactions on Power Electronics, 2019, 34, 4689-4702.	5.4	36
97	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.	0.7	34
98	AC $\rightarrow$ 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.	5.4	34
99	Comparison of co-occurrence networks of the Chinese and English languages. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4901-4909.	1.2	33
100	Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain. , 2013, , .		33
101	A Current Balancing Scheme With High Luminous Efficacy for High-Power LED Lighting. IEEE Transactions on Power Electronics, 2014, 29, 2649-2654.	5.4	33
102	Kernel Least Mean Square with Single Feedback. IEEE Signal Processing Letters, 2015, 22, 953-957.	2.1	33
103	Design and Performance Considerations of PFC Switching Regulators Based on Noncascading Structures. IEEE Transactions on Industrial Electronics, 2010, 57, 3730-3745.	5.2	32
104	Transient Mitigation of DC $\rightarrow$ DC Converters for High Output Current Slew Rate Applications. IEEE Transactions on Power Electronics, 2013, 28, 2377-2388.	5.4	32
105	An Alternative Approach to LED Driver Design Based on High-Voltage Driving. IEEE Transactions on Power Electronics, 2016, 31, 2465-2475.	5.4	32
106	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.	3.5	32
107	Line-Frequency Instability of PFC Power Supplies. IEEE Transactions on Power Electronics, 2009, 24, 469-482.	5.4	31
108	A Class of Stable Square-Root Nonlinear Information Filters. IEEE Transactions on Automatic Control, 2014, 59, 1893-1898.	3.6	31

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109	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.	5.4	31
110	Unified Equivalent Modeling for Stability Analysis of Parallel-Connected DC/DC Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 898-902.	2.2	30
111	Synchronization in Directed Complex Networks Using Graph Comparison Tools. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1185-1194.	3.5	30
112	A General Approach to Programmable and Reconfigurable Emulation of Power Impedances. IEEE Transactions on Power Electronics, 2018, 33, 259-271.	5.4	30
113	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.	3.7	28
114	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.	5.4	28
115	Sequential topology recovery of complex power systems based on reinforcement learning. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122487.	1.2	28
116	A novel transformer for contactless energy transmission systems. , 2009, , .		27
117	Stationary and Adaptive Color-Shift Reduction Methods Based on the Bilevel Driving Technique for Phosphor-Converted White LEDs. IEEE Transactions on Power Electronics, 2011, 26, 1943-1953.	5.4	27
118	INTERACTION OF FAST-SCALE AND SLOW-SCALE BIFURCATIONS IN CURRENT-MODE CONTROLLED DC/DC CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1609-1622.	0.7	26
119	Design methodology of a series-series inductive power transfer system for electric vehicle battery charger application. , 2014, , .		26
120	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.	3.5	25
121	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.	2.2	25
122	Optimizing Performance of Communication Networks: An Application of Network Science. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 95-99.	2.2	24
123	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.	7.2	24
124	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.	5.4	24
125	Boundaries between fast- and slow-scale bifurcations in parallel-connected buck converters. International Journal of Circuit Theory and Applications, 2008, 36, 681-695.	1.3	23
126	Sequential Variable Bilevel Driving Approach Suitable for Use in High-Color-Precision LED Display Panels. IEEE Transactions on Industrial Electronics, 2012, 59, 4637-4645.	5.2	23

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127	Energy-Saving Driver Design for Full-Color Large-Area LED Display Panel Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 4665-4673.	5.2	23
128	A class of improved least sum of exponentials algorithms. Signal Processing, 2016, 128, 340-349.	2.1	23
129	A new visit to an old problem in switched-capacitor converters. , 2010, , .		22
130	Discrete-Time Modeling and Stability Analysis of Periodic Orbits With Sliding for Switched Linear Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2948-2955.	3.5	22
131	Complex-Network Modeling of a Call Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 416-429.	3.5	21
132	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.	2.7	21
133	Buck-Boost Buck-Type Single-Switch Multistring Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Transactions on Power Electronics, 2020, 35, 5132-5143.	5.4	21
134	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.	2.2	21
135	Bifurcation Behavior of SPICE Simulations of Switching Converters: A Systematic Analysis of Erroneous Results. IEEE Transactions on Power Electronics, 2007, 22, 1743-1752.	5.4	20
136	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.	2.1	20
137	Novel cubature Kalman filtering for systems involving nonlinear states and linear measurements. AEU - International Journal of Electronics and Communications, 2015, 69, 314-320.	1.7	20
138	Optimal Design of Complex Switched-Capacitor Converters Via Energy-Flow-Path Analysis. IEEE Transactions on Power Electronics, 2017, 32, 1170-1185.	5.4	19
139	Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. IEEE Access, 2018, 6, 10540-10552.	2.6	19
140	Effects of traffic generation patterns on the robustness of complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 871-877.	1.2	19
141	Design for continuous-current mode operation of inductive power transfer converters with load-independent output. IET Power Electronics, 2019, 12, 2458-2465.	1.5	19
142	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.	5.4	19
143	General control for boost PFC converter from a sliding mode viewpoint. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	18
144	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. Neurocomputing, 2018, 289, 188-194.	3.5	18

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145	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.	0.7	18
146	On Optimal Detection of Noncoherent Chaos-Shift-Keying Signals in a Noisy Environment. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1587-1597.	0.7	17
147	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.	5.4	17
148	Scale-free user-network approach to telephone network traffic analysis. Physical Review E, 2005, 72, 026116.	0.8	16
149	Source Extraction in Bandwidth Constrained Wireless Sensor Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 947-951.	2.2	16
150	Adding Randomness to Modeling Internet TCP-RED Systems With Interactive Gateways. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 300-304.	2.2	16
151	A study of sectional tracks in roadway inductive power transfer system. , 2011, , .		16
152	Compensation technique for optimized efficiency and voltage controllability of IPT systems. , 2012, , .		16
153	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.	5.4	16
154	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.	2.7	16
155	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.	2.7	16
156	Isolated PFC Pre-Regulator for LED Lamps. , 2008, , .		15
157	Development of a maximum-power-point tracking algorithm for direct methanol fuel cell and its realization in a fuel cell/supercapacitor hybrid energy system. , 2011, , .		15
158	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.	0.7	15
159	Fault Diagnosis of Analog Circuits Using Systematic Tests Based on Data Fusion. Circuits, Systems, and Signal Processing, 2013, 32, 525-539.	1.2	15
160	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.	3.5	15
161	Augmented Buck Converter Design using Resonant Circuits for Fast Transient Recovery. IEEE Transactions on Power Electronics, 2016, 31, 5666-5679.	5.4	15
162	Optimal topologies for maximizing network transmission capacity. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 191-201.	1.2	15

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