

Chi K Tse

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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	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
256	General Design Issues of Sliding-Mode Controllers in DC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1160-1174	8.9	309
255	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
254	DC/DC Conversion Systems Consisting of Multiple Converter Modules: Stability, Control, and Experimental Verifications. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 1463-1474	7.2	215
253	A network perspective of the stock market. <i>Journal of Empirical Finance</i> , 2010 , 17, 659-667	2.7	214
252	. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 6329-6337	7.2	210
251	Full Feedforward of Grid Voltage for Grid-Connected Inverter With LCL Filter to Suppress Current Distortion Due to Grid Voltage Harmonics. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 3119-3127	7.2	201
250	Synthesis of Multiple-Input DC/DC Converters. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 2372-2385	7.2	179
249	Analysis, design, and control of a transcutaneous power regulator for artificial hearts. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2009 , 3, 23-31	5.1	161
248	Indirect Sliding Mode Control of Power Converters Via Double Integral Sliding Surface. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 600-611	7.2	139
247	A Fast-Response Sliding-Mode Controller for Boost-Type Converters With a Wide Range of Operating Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 3276-3286	8.9	133
246	Control Strategy for Input-Series/Output-Parallel Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 1174-1185	8.9	125
245	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
244	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
243	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 916-925	3.9	116
242	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
241	. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 1807-1816	7.2	100

240	On Energy Efficiency of Switched-Capacitor Converters. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 862-876	7.2	100
239	Noncascading Structure for Electronic Ballast Design for Multiple LED Lamps With Independent Brightness Control. <i>IEEE Transactions on Power Electronics</i> , 2010 , 25, 331-340	7.2	92
238	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4523-4534	7.2	91
237	On Driving Techniques for LEDs: Toward a Generalized Methodology. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2967-2976	7.2	91
236	Circuit Theoretic Classification of Parallel Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007 , 54, 1099-1108		84
235	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
234	Bilevel Current Driving Technique for LEDs. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2920-2932	7.2	82
233	SMALL WORLD AND SCALE FREE MODEL OF TRANSMISSION OF SARS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 1745-1755	2	77
232	Traffic congestion in interconnected complex networks. <i>Physical Review E</i> , 2014 , 89, 062813	2.4	75
231	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
230	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
229	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
228	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
227	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
226	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
225	Coexisting Fast-Scale and Slow-Scale Instability in Current-Mode Controlled DC/DC Converters: Analysis, Simulation and Experimental Results. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 3335-3348	3.9	64
224	Fast-scale instability in a PFC boost converter under average current-mode control. <i>International Journal of Circuit Theory and Applications</i> , 2003 , 31, 611-624	2	63
223	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4756-4769	6.8	62

222	APPLYING RESONANT PARAMETRIC PERTURBATION TO CONTROL CHAOS IN THE BUCK DC/DC CONVERTER WITH PHASE SHIFT AND FREQUENCY MISMATCH CONSIDERATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3459-3471	2	62
221	A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2011 , 11, 699-710	4	61
220	Spherical Simplex-Radial Cubature Kalman Filter. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 43-46	3.2	59
219	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
218	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
217	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
216	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
215	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 2010-2021	3.9	52
214	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
213	Fast-scale bifurcation in single-stage PFC power supplies operating with DCM boost stage and CCM forward stage. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 341-355	2	52
212	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
211	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
210	Comments on Unified Analysis of Switched-Capacitor Resonant Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 684-685	8.9	48
209	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
208	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
207	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
206	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
205	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

204	A Unified Approach for the Derivation of Robust Control for Boost PFC Converters. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 2531-2544	7.2	44
203	BIFURCATION BEHAVIOR OF A POWER-FACTOR-CORRECTION BOOST CONVERTER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3107-3114	2	44
202	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 601-611	11.9	43
201	Variable Structure Modeling and Design of Switched-Capacitor Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009 , 56, 2132-2142	3.9	43
200	Complex network structure of musical compositions: Algorithmic generation of appealing music. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 126-132	3.3	43
199	Fast-scale bifurcation in power-factor-correction buck-boost converters and effects of incompatible periodicities. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 251-264	2	43
198	General Control Considerations for Input-Series Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009 , 56, 1286-1296	3.9	42
197	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
196	. <i>IEEE Transactions on Communications</i> , 2010 , 58, 2823-2834	6.9	39
195	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
194	A Clustering Algorithm for Wireless Sensor Networks Based on Social Insect Colonies. <i>IEEE Sensors Journal</i> , 2011 , 11, 711-721	4	38
193	A theoretical study of inlet relative humidity control in PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11871-11885	6.7	38
192	COMPLEX INTERMITTENCY IN SWITCHING CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 121-140	2	38
191	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
190	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
189	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
188	DESIGN-ORIENTED BIFURCATION ANALYSIS OF POWER ELECTRONICS SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 1523-1537	2	34
187	Temperature Measurement Technique for Stabilizing the Light Output of RGB LED Lamps. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 661-670	5.2	34

186	Characterization of the dynamic response of proton exchange membrane fuel cells: A numerical study. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 11861-11877	6.7	34
185	Color Control System for RGB LED Light Sources Using Junction Temperature Measurement 2007 ,		34
184	Practical Design and Evaluation of a 1 kW PFC Power Supply Based on Reduced Redundant Power Processing Principle. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 665-673	8.9	34
183	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
182	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8973-8984	7.2	31
181	Design and Analysis of π -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
180	Sustained Slow-Scale Oscillation in Higher Order Current-Mode Controlled Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 489-493	3.5	31
179	Slow-Scale Instability of Single-Stage Power-Factor-Correction Power Supplies. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007 , 54, 1724-1735		31
178	A modified quantized kernel least mean square algorithm for prediction of chaotic time series 2016 , 48, 130-136		30
177	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
176	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10245-10255	7.2	30
175	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
174	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
173	A Class of Stable Square-Root Nonlinear Information Filters. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 1893-1898	5.9	28
172	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
171	Unified Equivalent Modeling for Stability Analysis of Parallel-Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 898-902	3.5	27
170	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6159-6170	7.2	27
169	Single-Inductor Multi-Input Multi-Output DC/DC Converter With High Flexibility and Simple Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13104-13114	7.2	26

168	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
167	Comparison of co-occurrence networks of the Chinese and English languages. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 4901-4909	3.3	26
166	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
165	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2512-2524	7.3	26
164	. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 2377-2388	7.2	25
163	Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm 2014 ,		25
162	Design and Performance Considerations of PFC Switching Regulators Based on Noncascading Structures. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 3730-3745	8.9	25
161	Kernel Least Mean Square with Single Feedback. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 953-957	3.2	24
160	INTERACTION OF FAST-SCALE AND SLOW-SCALE BIFURCATIONS IN CURRENT-MODE CONTROLLED DC/DC CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 1609-1622	2	24
159	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
158	Line-Frequency Instability of PFC Power Supplies. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 469-482		23
157	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
156	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
155	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
154	Boundaries between fast- and slow-scale bifurcations in parallel-connected buck converters. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 681-695	2	22
153	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
152	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1795-1805	11.9	21
151	. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 4637-4645	8.9	21

150	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
149	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1709-1725	7.2	21
148	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
147	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
146	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
145	Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain 2013 ,		20
144	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
143	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
142	Design methodology of a series-series inductive power transfer system for electric vehicle battery charger application 2014 ,		19
141	Discrete-Time Modeling and Stability Analysis of Periodic Orbits With Sliding for Switched Linear Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 2948-2955	3.9	19
140	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
139	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
138	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 4665-4673	8.9	18
137	A class of improved least sum of exponentials algorithms. <i>Signal Processing</i> , 2016 , 128, 340-349	4.4	18
136	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
135	A novel transformer for contactless energy transmission systems 2009 ,		17
134	Complex-Network Modeling of a Call Network. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2009 , 56, 416-429	3.9	17
133	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

132	A new visit to an old problem in switched-capacitor converters 2010 ,		16
131	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
130	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
129	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
128	Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. <i>IEEE Access</i> , 2018 , 6, 10540-10552	5.2	15
127	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
126	A study of sectional tracks in roadway inductive power transfer system 2011 ,		15
125	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
124	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
123	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
122	Bifurcation Behavior of SPICE Simulations of Switching Converters: A Systematic Analysis of Erroneous Results. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1743-1752	7.2	14
121	Scale-free user-network approach to telephone network traffic analysis. <i>Physical Review E</i> , 2005 , 72, 026116	2.4	14
120	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1170-1185	7.2	13
119	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
118	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. <i>Neurocomputing</i> , 2018 , 289, 188-194	5.4	13
117	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
116	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
115	Optimal topologies for maximizing network transmission capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 495, 191-201	3.3	12

114	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
113	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
112	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
111	Compensation technique for optimized efficiency and voltage controllability of IPT systems 2012 ,		11
110	Adding Randomness to Modeling Internet TCP-RED Systems With Interactive Gateways. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 300-304	3.5	11
109	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 ,		11
108	General control for boost PFC converter from a sliding mode viewpoint. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		11
107	Analysis of telephone network traffic based on a complex user network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 368, 583-594	3.3	11
106	On Optimal Detection of Noncoherent Chaos-Shift-Keying Signals in a Noisy Environment. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 1587-1597	2	11
105	Modeling and Prediction of the 2019 Coronavirus Disease Spreading in China Incorporating Human Migration Data		11
104	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
103	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
102	COMPLEX NETWORK APPLICATION IN FAULT DIAGNOSIS OF ANALOG CIRCUITS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 1323-1330	2	10
101	OSCILLATION AND PERIOD DOUBLING IN TCP/RED SYSTEM: ANALYSIS AND VERIFICATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 1459-1475	2	10
100	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
99	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
98	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	9
97	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

96	Stability of interacting grid-connected power converters. <i>Journal of Modern Power Systems and Clean Energy</i> , 2013 , 1, 249-257	4	9
95	Circuit theory of paralleling switching converters. <i>International Journal of Circuit Theory and Applications</i> , 2009 , 37, 109-135	2	9
94	A stochastic traffic modeling approach for 802.11p VANET broadcasting performance evaluation 2012 ,		9
93	Source Extraction in Bandwidth Constrained Wireless Sensor Networks. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 947-951	3.5	9
92	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
91	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
90	A power and thermal-aware virtual machine allocation mechanism for Cloud data centers 2015 ,		8
89	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
88	Dynamics of Network of Global Stock Markets. <i>Accounting and Finance Research</i> , 2012 , 1,	0.2	8
87	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
86	Finding energy-efficient paths on uneven terrains 2014 ,		7
85	Robust current control for boost PFC converters from a sliding mode viewpoint. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 543-556	2	7
84	HOPF BIFURCATION AS AN INTERMEDIATE-SCALE INSTABILITY IN SINGLE-STAGE POWER-FACTOR-CORRECTION POWER SUPPLIES: ANALYSIS, SIMULATIONS AND EXPERIMENTAL VERIFICATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 13, 2095-2109	2	7
83	A RETURN MAP REGRESSION APPROACH FOR NONCOHERENT DETECTION IN CHAOTIC DIGITAL COMMUNICATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 685-690	2	7
82	Load-independent current output of inductive power transfer converters with optimized efficiency 2014 ,		6
81	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
80	An ACO-based off-line path planner for nonholonomic mobile robots 2014 ,		6
79	Steady-State Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter 2014 ,		6

78	Stability Analysis of Periodic Orbits of Nonautonomous Piecewise-Linear Systems by Mapping Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2009 , 56, 845-849	3.5	6
77	Nonlinear control of switched-capacitor converter using sliding mode control approach 2008 ,		6
76	APPROXIMATE-OPTIMAL DETECTOR FOR CHAOS COMMUNICATION SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 1329-1335	2	6
75	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
74	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
73	Rapidly Replanning A* 2016 ,		6
72	Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving 2016 ,		6
71	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
70	An Improved Dynamic Z* Algorithm for Rapid Replanning of Energy-Efficient Paths 2015 ,		5
69	Rapid replanning of energy-efficient paths for navigation on uneven terrains 2015 ,		5
68	Calculation of steady-state solution of parallel-connected buck converters with active current sharing and its parameter sensitivity. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 275-297	2	5
67	Treatment of two-phase flow in cathode gas channel for an improved one-dimensional proton exchange membrane fuel cell model. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3941-3955	6.7	5
66	Performance-lifetime tradeoff for source extraction in multihop sensor networks. <i>International Journal of Communication Systems</i> , 2010 , 23, 1613-1631	1.7	5
65	GENERAL CONSIDERATION FOR MODELING AND BIFURCATION ANALYSIS OF SWITCHED DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 693-700	2	5
64	Stability analysis of two-stage PFC power supplies		5
63	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
62	Advanced Algorithms for Local Routing Strategy on Complex Networks. <i>PLoS ONE</i> , 2016 , 11, e0156756	3.7	5
61	Multiobjective path planning on uneven terrains based on NAMOA* 2016 ,		5

60	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
59	A thermal-aware VM consolidation mechanism with outage avoidance. <i>Software - Practice and Experience</i> , 2019 , 49, 906-920	2.5	4
58	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
57	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
56	Analysis and comparison of secondary series- and parallel-compensated IPT systems 2013 ,		4
55	Transient mitigation of DC-DC converters using an auxiliary switching circuit 2011 ,		4
54	EXISTENCE OF HORSESHOES AND HOMOCLINIC CONNECTIONS IN DC/DC CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 3337-3344	2	4
53	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
52	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. <i>IEEE Systems Journal</i> , 2021 , 1-11	4.3	4
51	A network model for growth of publications and citations. <i>Journal of Complex Networks</i> , 2016 , cnw019	1.7	3
50	Contactless electronic ballast for high brightness LED lamps with positionally dimmed method 2012 ,		3
49	An Analysis on the Delay-Aware Data Collection Network Structure Using Pareto Optimality 2012 ,		3
48	AN APPROACH TO CALCULATE THE BIT ERROR RATES OF MULTIPLE ACCESS CHAOTIC-SEQUENCE SPREAD-SPECTRUM COMMUNICATION SYSTEMS EMPLOYING MULTI-USER DETECTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 183-206	2	3
47	Generalization of Waveform Communications: The Fourier Analyzer Approach. <i>Circuits, Systems, and Signal Processing</i> , 2005 , 24, 451-474	2.2	3
46	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
45	A universal model for growth of user population of products and services. <i>Network Science</i> , 2016 , 4, 491-507		3
44	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
43	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

42	Homoclinic Bifurcation of a Grid-Forming Voltage Source Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13176-13187	7.2	3
41	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
40	Effect of Malware Spreading on Propagation of Cascading Failure in Cyber-Coupled Power Systems 2018 ,		2
39	Modeling cascading failure propagation in power systems 2017 ,		2
38	Energy efficient LED driving system for large-scale Video display panel 2013 ,		2
37	BIFURCATION IN WIND ENERGY GENERATION SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 3795-3800	2	2
36	Application of complex networks to coding. <i>IEEE Circuits and Systems Magazine</i> , 2010 , 10, 38-47	3.2	2
35	Catastrophic Bifurcation in Three-Phase Voltage-Source Converters 2011 ,		2
34	Irreversible instability in three-phase voltage-source converter connected to non-ideal power grid with interacting load 2012 ,		2
33	Color control in RGB driver system applicable to LED of all ageing conditions 2012 ,		2
32	Isolated PFC Pre-Regulator for LED Lamps 2008 ,		2
31	Stability Analysis of RED Gateway with Multiple TCP Reno Connections 2007 ,		2
30	Effect of clustering in a complex user network on the telephone traffic. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 371, 745-753	3.3	2
29	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
28	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
27	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2665-2675	7.3	2
26	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
25	Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy 2018 ,		2

24	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
23	Universal Switched-Capacitor Converter for DC-DC, AC-DC, and DC-AC Applications 2019 ,		1
22	Resonant augmentation circuits for a buck converter achieving minimum-time voltage recovery from load transients 2014 ,		1
21	Pre-energized compact auxiliary circuit to buffer loads from fast transients with the goal of managing load-informed power 2013 ,		1
20	Fast linear control for maximum energy efficiency of wireless power transfer systems 2017 ,		1
19	Transient response of three-phase voltage-source converters under grid-side faults 2015 ,		1
18	Design consideration of LCL-filter for three-phase voltage source inverter in distributed power grid 2014 ,		1
17	Anti-windup dual-loop control of DFIG under unbalanced voltage conditions 2012 ,		1
16	Resonant assisted buck converter for offline driving of high brightness LED replacement lamps 2010 ,		1
15	Catastrophic bifurcation in three-phase boost rectifiers 2011 ,		1
14	Complex Behavior of Parallel-Connected DC/DC Converters from Nonlinear Viewpoint. <i>Studies in Computational Intelligence</i> , 2009 , 269-290	0.8	1
13	PERFORMANCE ANALYSIS OF MULTIPLE ACCESS CHAOTIC-SEQUENCE SPREAD-SPECTRUM COMMUNICATION SYSTEMS USING PARALLEL INTERFERENCE CANCELLATION RECEIVERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 3633-3646	2	1
12	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
11	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
10	Design-Oriented Bifurcation Analysis of Power Electronics Systems. <i>Understanding Complex Systems</i> , 2009 , 175-187	0.4	0
9	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
8	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	0
7	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

6	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
5	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
4	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
3	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	
2	IMPACT OF TOPOLOGY ON THE MAXIMUM MULTICAST THROUGHPUT IN COMMUNICATION NETWORKS WITH NETWORK CODING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 2741-2748	2	
1	A General Model for Studying Time Evolution of Transition Networks. <i>Understanding Complex Systems</i> , 2016 , 373-393	0.4	