

# Chi Kong Tse

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

407 papers	10,150 citations	52 h-index	85 g-index
481 ext. papers	12,997 ext. citations	4.5 avg, IF	6.87 L-index

#	Paper	IF	Citations
407	Design for Efficiency Optimization and Voltage Controllability of Series-Series Compensated Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 191-200	7.2	315
406	General Design Issues of Sliding-Mode Controllers in DC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 1160-1174	8.9	309
405	Complex Behavior of Switching Power Converters		255
404	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> , <b>2014</b> , 29, 2979-2990	7.2	234
403	DC/DC Conversion Systems Consisting of Multiple Converter Modules: Stability, Control, and Experimental Verifications. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 1463-1474	7.2	215
402	A network perspective of the stock market. <i>Journal of Empirical Finance</i> , <b>2010</b> , 17, 659-667	2.7	214
401	. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 6329-6337	7.2	210
400	Chaos-Based Digital Communication Systems. <i>Signals and Communication Technology</i> , <b>2003</b> ,	0.5	194
399	Synthesis of Multiple-Input DC/DC Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 2372-2385	7.2	179
398	Adaptive Feedback Synchronization of a General Complex Dynamical Network With Delayed Nodes. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2008</b> , 55, 183-187	3.5	164
397	Analysis, design, and control of a transcutaneous power regulator for artificial hearts. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2009</b> , 3, 23-31	5.1	161
396	Indirect Sliding Mode Control of Power Converters Via Double Integral Sliding Surface. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 600-611	7.2	139
395	Mitigation of Low-Frequency Current Ripple in Fuel-Cell Inverter Systems Through Waveform Control. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 779-792	7.2	134
394	A Fast-Response Sliding-Mode Controller for Boost-Type Converters With a Wide Range of Operating Conditions. <i>IEEE Transactions on Industrial Electronics</i> , <b>2007</b> , 54, 3276-3286	8.9	133
393	Control Strategy for Input-Series/Output-Parallel Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 1174-1185	8.9	125
392	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> , <b>2017</b> , 32, 394-405	7.2	120
391	An efficient and secure medical image protection scheme based on chaotic maps. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 1000-10	7	120

390	A survey, classification, and critical review of light-emitting diode drivers. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 1503-1516	7.2	119
389	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2015</b> , 62, 916-925	3.9	116
388	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> , <b>2015</b> , 3, 124-136	5.6	108
387	. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 1807-1816	7.2	100
386	On Energy Efficiency of Switched-Capacitor Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 862-876	7.2	100
385	Noncascading Structure for Electronic Ballast Design for Multiple LED Lamps With Independent Brightness Control. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 331-340	7.2	92
384	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 4523-4534	7.2	91
383	On Driving Techniques for LEDs: Toward a Generalized Methodology. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 2967-2976	7.2	91
382	Circuit Theoretic Classification of Parallel Connected DCDC Converters. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2007</b> , 54, 1099-1108		84
381	Resonance-Assisted Buck Converter for Offline Driving of Power LED Replacement Lamps. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 532-540	7.2	83
380	Bilevel Current Driving Technique for LEDs. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 2920-2932	7.2	82
379	Isolated BuckBoost DC/DC Converters Suitable for Wide Input-Voltage Range. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 2599-2613	7.2	79
378	SMALL WORLD AND SCALE FREE MODEL OF TRANSMISSION OF SARS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2005</b> , 15, 1745-1755	2	77
377	Traffic congestion in interconnected complex networks. <i>Physical Review E</i> , <b>2014</b> , 89, 062813	2.4	75
376	Scale-free distribution of avian influenza outbreaks. <i>Physical Review Letters</i> , <b>2007</b> , 99, 188702	7.4	75
375	Bifurcation and Large-Signal Stability Analysis of Three-Phase Voltage Source Converter Under Grid Voltage Dips. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 8868-8879	7.2	73
374	Super-spreaders and the rate of transmission of the SARS virus. <i>Physica D: Nonlinear Phenomena</i> , <b>2006</b> , 215, 146-158	3.3	71
373	Design of a Single-Stage Inductive-Power-Transfer Converter for Efficient EV Battery Charging. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 5808-5821	6.8	70

372	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> , <b>2015</b> , 3, 137-146	5.6	68
371	An Optimized Track Length in Roadway Inductive Power Transfer Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2014</b> , 2, 598-608	5.6	67
370	Assessment of Robustness of Power Systems From a Network Perspective. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2015</b> , 5, 456-464	5.2	65
369	Circuit theory of power factor correction in switching converters. <i>International Journal of Circuit Theory and Applications</i> , <b>2003</b> , 31, 157-198	2	65
368	Synchronization: An Obstacle to Identification of Network Topology. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2009</b> , 56, 310-314	3.5	64
367	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> , <b>2008</b> , 55, 3335-3348	3.9	64
366	Fast-scale instability in a PFC boost converter under average current-mode control. <i>International Journal of Circuit Theory and Applications</i> , <b>2003</b> , 31, 611-624	2	63
365	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 4756-4769	6.8	62
364	A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 699-710	4	61
363	Spherical Simplex-Radial Cubature Kalman Filter. <i>IEEE Signal Processing Letters</i> , <b>2014</b> , 21, 43-46	3.2	59
362	An Improved LCLC Current-Source-Output Multistring LED Driver With Capacitive Current Balancing. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 5783-5791	7.2	57
361	Analysis of Output Current Characteristics for Higher Order Primary Compensation in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6807-6821	7.2	55
360	Bifurcation Analysis of Standalone Photovoltaic-Battery Hybrid Power System. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2013</b> , 60, 1354-1365	3.9	53
359	Design of a Current-Source-Output Inductive Power Transfer LED Lighting System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2015</b> , 3, 306-314	5.6	52
358	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2016</b> , 63, 2010-2021	3.9	52
357	Analysis of Communication Network Performance From a Complex Network Perspective. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2013</b> , 60, 3303-3316	3.9	52
356	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> , <b>2006</b> , 34, 341-355	2	52
355	Effects of Interaction of Power Converters Coupled via Power Grid: A Design-Oriented Study. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 3589-3600	7.2	51

354	Clustering model for transmission of the SARS virus: application to epidemic control and risk assessment. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 351, 499-511	3.3	50
353	Modeling the Dynamics of Cascading Failures in Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2017</b> , 7, 192-204	5.2	48
352	Comments on Unified Analysis of Switched-Capacitor Resonant Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2007</b> , 54, 684-685	8.9	48
351	Effects of Cyber Coupling on Cascading Failures in Power Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2017</b> , 7, 228-238	5.2	46
350	Precise Characteristics Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2015</b> , 3, 101-110	5.6	46
349	Extortion provides alternative routes to the evolution of cooperation in structured populations. <i>Physical Review E</i> , <b>2017</b> , 95, 052302	2.4	46
348	On the Color Stability of Phosphor-Converted White LEDs Under DC, PWM, and Bilevel Drive. <i>IEEE Transactions on Power Electronics</i> , <b>2012</b> , 27, 974-984	7.2	46
347	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> , <b>2019</b> , 34, 7719-7727	7.2	46
346	A Family of Exponential Step-Down Switched-Capacitor Converters and Their Applications in Two-Stage Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 1870-1880	7.2	45
345	A Unified Approach for the Derivation of Robust Control for Boost PFC Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 2531-2544	7.2	44
344	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 601-611	11.9	43
343	Spatial analysis of bus transport networks using network theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 502, 295-314	3.3	43
342	Variable Structure Modeling and Design of Switched-Capacitor Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2009</b> , 56, 2132-2142	3.9	43
341	Fast-scale bifurcation in power-factor-correction buck-boost converters and effects of incompatible periodicities. <i>International Journal of Circuit Theory and Applications</i> , <b>2006</b> , 34, 251-264	2	43
340	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , <b>2015</b> , 5, 110134.9	14.9	42
339	General Control Considerations for Input-Series Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2009</b> , 56, 1286-1296	3.9	42
338	Nonlinear and Transient Stability Analysis of Phase-Locked Loops in Grid-Connected Converters. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 1018-1029	7.2	42
337	A Family of Hybrid IPT Topologies With Near Load-Independent Output and High Tolerance to Pad Misalignment. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 6867-6877	7.2	40

336	Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6284-6295	8.9	38
335	A Clustering Algorithm for Wireless Sensor Networks Based on Social Insect Colonies. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 711-721	4	38
334	Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 1788-1798	8.9	37
333	Random Fourier Filters Under Maximum Correntropy Criterion. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2018</b> , 65, 3390-3403	3.9	36
332	Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2013</b> , 60, 1062-1071	3.9	36
331	Bifurcation behaviour in parallel-connected boost converters. <i>International Journal of Circuit Theory and Applications</i> , <b>2001</b> , 29, 281-298	2	36
330	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> , <b>2013</b> , 60, 3328-3340	3.9	35
329	An Energy-Aware Scheduling Scheme for Wireless Sensor Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 3427-3444	6.8	35
328	DESIGN-ORIENTED BIFURCATION ANALYSIS OF POWER ELECTRONICS SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2011</b> , 21, 1523-1537	2	34
327	Temperature Measurement Technique for Stabilizing the Light Output of RGB LED Lamps. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2010</b> , 59, 661-670	5.2	34
326	Color Control System for RGB LED Light Sources Using Junction Temperature Measurement <b>2007</b> ,		34
325	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> , <b>2008</b> , 55, 665-673	8.9	34
324	Control Strategy to Achieve Input and Output Voltage Sharing for Input-SeriesOutput-Series-Connected Inverter Systems. <i>IEEE Transactions on Power Electronics</i> , <b>2010</b> , 25, 1585-1596	7.2	33
323	Analysis of metro network performance from a complex network perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 492, 553-563	3.3	32
322	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> , <b>2019</b> , 34, 2364-2374	7.2	32
321	Chaos in Power Electronics: An Overview. <i>World Scientific Series on Nonlinear Science, Series B</i> , <b>2002</b> , 317-340	3.5	32
320	. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 8973-8984	7.2	31
319	Design and Analysis of \$LCC\$ Resonant Network for Quasi-Lossless Current Balancing in Multistring AC-LED Array. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 1047-1059	7.2	31



3 <sup>18</sup>	Impact of Topology on Performance and Energy Efficiency in Wireless Sensor Networks for Source Extraction. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2009</b> , 20, 886-897	3.7	3 <sup>1</sup>
3 <sup>17</sup>	Sustained Slow-Scale Oscillation in Higher Order Current-Mode Controlled Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2008</b> , 55, 489-493	3.5	3 <sup>1</sup>
3 <sup>16</sup>	Slow-Scale Instability of Single-Stage Power-Factor-Correction Power Supplies. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2007</b> , 54, 1724-1735		3 <sup>1</sup>
3 <sup>15</sup>	A modified quantized kernel least mean square algorithm for prediction of chaotic time series <b>2016</b> , 48, 130-136		3 <sup>0</sup>
3 <sup>14</sup>	Self-Oscillating Resonant Converter With Contactless Power Transfer and Integrated Current Sensing Transformer. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 4839-4851	7.2	3 <sup>0</sup>
3 <sup>13</sup>	Low Output Ripple DCDC Converter Based on an Overlapping Dual Asymmetric Half-Bridge Topology. <i>IEEE Transactions on Power Electronics</i> , <b>2007</b> , 22, 1956-1963	7.2	3 <sup>0</sup>
3 <sup>12</sup>	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10245-10255	7.2	3 <sup>0</sup>
3 <sup>11</sup>	A Current Balancing Scheme With High Luminous Efficacy for High-Power LED Lighting. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 2649-2654	7.2	29
3 <sup>10</sup>	Application of Memristor-Based Controller for Loop Filter Design in Charge-Pump Phase-Locked Loops. <i>Circuits, Systems, and Signal Processing</i> , <b>2013</b> , 32, 1013-1023	2.2	29
3 <sup>09</sup>	Control and Modulation of Bidirectional Single-Phase ACDC Three-Phase-Leg SPWM Converters With Active Power Decoupling and Minimal Storage Capacitance. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 4226-4240	7.2	28
3 <sup>08</sup>	A Class of Stable Square-Root Nonlinear Information Filters. <i>IEEE Transactions on Automatic Control</i> , <b>2014</b> , 59, 1893-1898	5.9	28
3 <sup>07</sup>	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data. <i>PLoS ONE</i> , <b>2020</b> , 15, e0241171	3.7	28
3 <sup>06</sup>	. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , <b>2015</b> , 5, 402-412	5.2	27
3 <sup>05</sup>	Unified Equivalent Modeling for Stability Analysis of Parallel-Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2010</b> , 57, 898-902	3.5	27
3 <sup>04</sup>	. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6159-6170	7.2	27
3 <sup>03</sup>	Single-Inductor Multi-Input Multi-Output DCDC Converter With High Flexibility and Simple Control. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 13104-13114	7.2	26
3 <sup>02</sup>	Small-Signal Models With Extended Frequency Range for DCDC Converters With Large Modulation Ripple Amplitude. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 8151-8163	7.2	26
3 <sup>01</sup>	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> , <b>2013</b> , 28, 3255-3265	7.2	26

300	A Genetic Algorithm-Inspired UUV Path Planner Based on Dynamic Programming. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2012</b> , 42, 1128-1134		26
299	A class of QC-LDPC codes with low encoding complexity and good error performance. <i>IEEE Communications Letters</i> , <b>2010</b> , 14, 169-171	3.8	26
298	A COMPLEX NETWORK PERSPECTIVE OF WORLD STOCK MARKETS: SYNCHRONIZATION AND VOLATILITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2012</b> , 22, 1250142	2	26
297	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 2512-2524	7.3	26
296	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding. <i>PLoS ONE</i> , <b>2020</b> , 15, e0234763	3.7	25
295	Agglomerative Clustering-Based Network Partitioning for Parallel Power System Restoration. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3325-3333	11.9	25
294	. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 2377-2388	7.2	25
293	Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm <b>2014</b> ,		25
292	Kernel Affine Projection Sign Algorithms for Combating Impulse Interference. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2013</b> , 60, 811-815	3.5	25
291	Design and Performance Considerations of PFC Switching Regulators Based on Noncascading Structures. <i>IEEE Transactions on Industrial Electronics</i> , <b>2010</b> , 57, 3730-3745	8.9	25
290	Proper aspiration level promotes generous behavior in the spatial prisoner's dilemma game. <i>European Physical Journal B</i> , <b>2016</b> , 89, 1	1.2	25
289	Kernel Least Mean Square with Single Feedback. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 953-957	3.2	24
288	Series-Parallel-Form Switch-Linear Hybrid Envelope-Tracking Power Supply to Achieve High Efficiency. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 244-252	8.9	24
287	Synchronization in Directed Complex Networks Using Graph Comparison Tools. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2015</b> , 62, 1185-1194	3.9	23
286	Line-Frequency Instability of PFC Power Supplies. <i>IEEE Transactions on Power Electronics</i> , <b>2009</b> , 24, 469-482	7.2	23
285	INTERMITTENT CHAOTIC OPERATION IN SWITCHING POWER CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2004</b> , 14, 2971-2978	2	23
284	Research on IPT Resonant Converters With High Misalignment Tolerance Using Multicoil Receiver Set. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 3697-3712	7.2	23
283	An Alternative Approach to LED Driver Design Based on High-Voltage Driving. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 2465-2475	7.2	22



282	A Real-Time ASL Recognition System Using Leap Motion Sensors <b>2015</b> ,		22
281	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> , <b>2011</b> , 26, 1943-1953	7.2	22
280	CHARACTERIZING THE STRUCTURAL QUALITY OF GENERAL COMPLEX SOFTWARE NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2008</b> , 18, 605-613	2	22
279	Boundaries between fast- and slow-scale bifurcations in parallel-connected buck converters. <i>International Journal of Circuit Theory and Applications</i> , <b>2008</b> , 36, 681-695	2	22
278	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> , <b>2018</b> , 6, 1198-1209	5.6	21
277	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 1795-1805	11.9	21
276	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 4637-4645	8.9	21
275	Switched-capacitor converter configuration with low EMI emission obtained by interleaving and its large-signal modeling <b>2009</b> ,		21
274	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> , <b>2019</b> , 34, 685-699	7.2	21
273	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 1709-1725	7.2	21
272	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> , <b>2015</b> , 62, 1195-1204	3.9	20
271	A Stochastic Model of Cascading Failure Dynamics in Cyber-Physical Power Systems. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 4626-4637	4.3	20
270	Optimizing Performance of Communication Networks: An Application of Network Science. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2015</b> , 62, 95-99	3.5	20
269	Quasi-Maximum Efficiency Point Tracking for Direct Methanol Fuel Cell in DMFC/Supercapacitor Hybrid Energy System. <i>IEEE Transactions on Energy Conversion</i> , <b>2012</b> , 27, 561-571	5.4	20
268	Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain <b>2013</b> ,		20
267	Approximate Discrete-Time Modeling of DCDC Converters With Consideration of the Effects of Pulse Width Modulation. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 7071-7082	7.2	19
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