

Chi Kong Tse

List of Publications by Year in Descending Order

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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	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
406	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
405	Assessing the Robustness of Cyber-Physical Power Systems by Considering Wide-Area Protection Functions. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022 , 1-1	5.2	1
404	Compact Capacitive Compensation for Adjustable Load-Independent Output and Zero-Phase-Angle Input for High Efficiency IPT Systems. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	1
403	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
402	Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
401	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
400	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
399	Timetable Synchronization Optimization for Metro Networks with Consideration of Station Centrality. <i>IEEE Transactions on Network Science and Engineering</i> , 2022 , 1-1	4.9	1
398	Bifurcations of Grid-Following Rectifiers and Routes to Voltage Instability in Weak AC Grids. <i>IEEE Transactions on Power Systems</i> , 2022 , 1-1	7	1
397	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
396	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
395	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
394	Guest Editorial Stability and Robustness of Power Grids With High Penetration of Power Electronics. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2021 , 11, 1-4	5.2	
393	Assessing the Vulnerability of Cyber-Coupled Power Systems to Component Failures 2021 ,		1
392	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
391	Nonlinear and Transient Stability Analysis of Phase-Locked Loops in Grid-Connected Converters. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 1018-1029	7.2	42

390	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
389	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2665-2675	7.3	2
388	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
387	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2512-2524	7.3	26
386	Cascading Failure A nalysis of Cyber Physical Power Systems Considering Routing Strategy. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	2
385	A Family of Hybrid IPT Couplers with High Tolerance to Pad Misalignment. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	7
384	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
383	Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. <i>IEEE Systems Journal</i> , 2021 , 1-11	4.3	4
382	Knowledge Discovery in Cryptocurrency Transactions: A Survey. <i>IEEE Access</i> , 2021 , 9, 37229-37254	3.5	13
381	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
380	Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. <i>IEEE Systems Journal</i> , 2021 , 1-12	4.3	0
379	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
378	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
377	Impedance Strengthening and Weakening Networks for Power Converter Analysis and Design. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9717-9721	7.2	4
376	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
375	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
374	Braess paradox and double-loop optimization method to enhance power grid resilience. <i>Reliability Engineering and System Safety</i> , 2021 , 215, 107913	6.3	9
373	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

372	Homoclinic Bifurcation of a Grid-Forming Voltage Source Converter. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 13176-13187	7.2	3
371	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
370	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
369	Single-Inductor Multi-Input Multi-Output DCDC Converter With High Flexibility and Simple Control. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 13104-13114	7.2	26
368	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding. <i>PLoS ONE</i> , 2020 , 15, e0234763	3.7	25
367	A Stochastic Model of Cascading Failure Dynamics in Cyber-Physical Power Systems. <i>IEEE Systems Journal</i> , 2020 , 14, 4626-4637	4.3	20
366	Dynamic State Estimation of Power Systems by ℓ_p -Norm Nonlinear Kalman Filter. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 1715-1728	3.9	5
365	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 8973-8984	7.2	31
364	Bifurcation Analysis of a Current-Mode-Controlled DC Cascaded System and Applications to Design. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3214-3224	5.6	9
363	Multi-Objective Timetabling Optimization for a Two-Way Metro Line Under Dynamic Passenger Demand. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-11	6.1	3
362	Derivation of Single-Input Dual-Output Converters With Simple Control and No Cross Regulation. <i>IEEE Transactions on Power Electronics</i> , 2020 , 1-1	7.2	9
361	Performance Comparison of Nonlinear Kalman Filters in Epidemic Tracking on Networks. <i>IEEE Systems Journal</i> , 2020 , 14, 5475-5485	4.3	2
360	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
359	General Model for COVID-19 Spreading With Consideration of Intercity Migration, Insufficient Testing, and Active Intervention: Modeling Study of Pandemic Progression in Japan and the United States. <i>JMIR Public Health and Surveillance</i> , 2020 , 6, e18880	11.4	10
358	A Nozzle Path Planner for 3-D Printing Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6313-6323	11.9	3
357	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
356	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
355	A Hybrid Cyber Attack Model for Cyber-Physical Power Systems. <i>IEEE Access</i> , 2020 , 8, 114876-114883	3.5	13

354	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
353	Bio-Inspired Heuristics for VM Consolidation in Cloud Data Centers. <i>IEEE Systems Journal</i> , 2020 , 14, 152-163	1.5	15
352	Complete Family of Two-Stage Single-Input Multioutput Configurations of Interconnected Power Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 3713-3728	7.2	7
351	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
350	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding 2020 , 15, e0234763		
349	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding 2020 , 15, e0234763		
348	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding 2020 , 15, e0234763		
347	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding 2020 , 15, e0234763		
346	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data 2020 , 15, e0241171		
345	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data 2020 , 15, e0241171		
344	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data 2020 , 15, e0241171		
343	Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data 2020 , 15, e0241171		
342	Counteracting the Dynamical Degradation of Digital Chaos by Applying Stochastic Jump of Chaotic Orbits. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1930023	2.3	9
341	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
340	A thermal-aware VM consolidation mechanism with outage avoidance. <i>Software - Practice and Experience</i> , 2019 , 49, 906-920	2.5	4
339	Daily Rainfall Data Construction and Application to Weather Prediction 2019 ,		1
338	Universal Switched-Capacitor Converter for DC-DC, AC-DC, and DC-AC Applications 2019 ,		1
337	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

336	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
335	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
334	Approximate Discrete-Time Small-Signal Models of DCDC Converters With Consideration of Practical Pulsewidth Modulation and Stability Improvement Methods. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 4920-4936	7.2	7
333	Synthesis of Dual-Input Single-Output DC/DC Converters 2019 ,		8
332	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
331	Improved-efficiency quasi-two-stage current-source-mode SIMO LED driver. <i>IET Power Electronics</i> , 2019 , 12, 3286-3294	2.2	3
330	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
329	Recent Development in Public Transport Network Analysis From the Complex Network Perspective. <i>IEEE Circuits and Systems Magazine</i> , 2019 , 19, 39-65	3.2	2
328	Resonant Switched-capacitor Auxiliary Circuit for Active Power Decoupling in Electrolytic Capacitor-less AC/DC LED Drivers 2019 ,		3
327	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
326	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
325	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
324	An ACO-Based Tool-Path Optimizer for 3-D Printing Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2277-2287	11.9	9
323	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10245-10255	7.2	30
322	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
321	Reconsideration of Loop Gain and Its Measurement in DCDC Converters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6906-6921	7.2	3
320	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
319	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

318	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 1709-1725	7.2	21
317	Spatial analysis of bus transport networks using network theory. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 502, 295-314	3.3	43
316	Small-Signal Models With Extended Frequency Range for DCDC Converters With Large Modulation Ripple Amplitude. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8151-8163	7.2	26
315	Agglomerative Clustering-Based Network Partitioning for Parallel Power System Restoration. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3325-3333	11.9	25
314	Convergence analysis of nonlinear Kalman filters with novel innovation-based method. <i>Neurocomputing</i> , 2018 , 289, 188-194	5.4	13
313	Optimal topologies for maximizing network transmission capacity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 495, 191-201	3.3	12
312	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
311	Accelerating 3D Printing Process Using an Extended Ant Colony Optimization Algorithm 2018 ,		4
310	Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. <i>IEEE Access</i> , 2018 , 6, 10540-10552	5.5	15
309	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
308	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
307	Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4523-4534	7.2	91
306	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
305	Analysis of metro network performance from a complex network perspective. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 492, 553-563	3.3	32
304	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
303	Impulse Weibull distribution for daily precipitation and climate change in China during 1961-2011. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 512, 57-67	3.3	3
302	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
301	Random Fourier Filters Under Maximum Correntropy Criterion. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 3390-3403	3.9	36

300	Effect of Malware Spreading on Propagation of Cascading Failure in Cyber-Coupled Power Systems 2018 ,		2
299	Multi-layer Public Transport Network Analysis 2018 ,		6
298	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
297	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
296	. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 6159-6170	7.2	27
295	Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy 2018 ,		2
294	Design of an IPT Battery Charger with Double-sided LCC Compensation 2018 ,		4
293	Bayesian random Fourier filters for Gaussian noises. <i>Science China Information Sciences</i> , 2018 , 61, 1	3.4	
292	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
291	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 1170-1185	7.2	13
290	Accurate Capacitive Current Balancing in Multistring LED Lighting Systems Based on Switched-Capacitor-Controlled π -LCC Resonant Network. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 2167-2179	7.2	13
289	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
288	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
287	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
286	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6037-6049	6.8	8
285	Fast linear control for maximum energy efficiency of wireless power transfer systems 2017 ,		1
284	Extortion provides alternative routes to the evolution of cooperation in structured populations. <i>Physical Review E</i> , 2017 , 95, 052302	2.4	46
283	Community-based informed agents selection for flocking with a virtual leader. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 394-403	2.9	3

282	SeriesParallel-Form Switch-Linear Hybrid Envelope-Tracking Power Supply to Achieve High Efficiency. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 244-252	8.9	24
281	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
280	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
279	Current-source PFC based LED drivers with electronic-smoothing inductor for AC power decoupling 2017 ,		1
278	A refinement process for nozzle path planning in 3D printing 2017 ,		3
277	Modeling of cascading failures in cyber-coupled power systems 2017 ,		2
276	Modeling cascading failure propagation in power systems 2017 ,		2
275	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> , 2016 , 31, 4226-4240	7.2	28
274	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
273	The influence of extortion diversity on the evolution of cooperation in scale-free networks 2016 ,		4
272	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 2010-2021	3.9	52
271	A 3D printing path optimizer based on Christofides algorithm 2016 ,		7
270	A Stable Matching-Based Virtual Machine Allocation Mechanism for Cloud Data Centers 2016 ,		10
269	A network model for growth of publications and citations. <i>Journal of Complex Networks</i> , 2016 , cnw019	1.7	3
268	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
267	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1795-1805	11.9	21
266	The Match Game: Numerical De-Embedding of Field Simulation and Parameter Extraction of Circuit Models for Electromagnetic Structure Using Calibration Techniques. <i>IEEE Microwave Magazine</i> , 2016 , 17, 77-92	1.2	2
265	Parameter Identification of Chaotic Systems by a Novel Dual Particle Swarm Optimization. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650024	2	7

264	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
263	A modified quantized kernel least mean square algorithm for prediction of chaotic time series 2016 , 48, 130-136		30
262	A General Model for Studying Time Evolution of Transition Networks. <i>Understanding Complex Systems</i> , 2016 , 373-393	0.4	
261	A universal model for growth of user population of products and services. <i>Network Science</i> , 2016 , 4, 491-507	5.97	3
260	Advanced Algorithms for Local Routing Strategy on Complex Networks. <i>PLoS ONE</i> , 2016 , 11, e0156756	3.7	5
259	Proper aspiration level promotes generous behavior in the spatial prisoner's dilemma game. <i>European Physical Journal B</i> , 2016 , 89, 1	1.2	25
258	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	2.73	6
257	Controller saturation nonlinearity in doubly fed induction generator-based wind turbines under unbalanced grid conditions. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1602-1619	2	3
256	Trajectory planning for 3D printing: A revisit to traveling salesman problem 2016 ,		15
255	A Relaxation Scheme for TSP-Based 3D Printing Path Optimizer 2016 ,		6
254	Rapidly Replanning A* 2016 ,		6
253	Effects of Correlation-Based VM Allocation Criteria to Cloud Data Centers 2016 ,		4
252	Power converter with novel transformer structure for wireless power transfer using a DD2Q power receiver coil set 2016 ,		4
251	Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving 2016 ,		6
250	A model for coupling under coil misalignment for DD pads and circular pads of WPT system 2016 ,		6
249	Multiobjective path planning on uneven terrains based on NAMOA* 2016 ,		5
248	Improving robustness of power systems via optimal link switch-off 2016 ,		3
247	A class of improved least sum of exponentials algorithms. <i>Signal Processing</i> , 2016 , 128, 340-349	4.4	18

246	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
245	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4756-4769	6.8	62
244	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 916-925	3.9	116
243	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , 2015 , 5, 11013	4.9	42
242	Analysis and control of multiple chaotic attractors from a three-dimensional system. <i>Applied Mathematics and Computation</i> , 2015 , 268, 138-150	2.7	6
241	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
240	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
239	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
238	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
237	[From the Editor]. <i>IEEE Circuits and Systems Magazine</i> , 2015 , 15, 4-4	3.2	
236	. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 601-611	11.9	43
235	Assessment of Robustness of Power Systems from the Perspective of Complex Networks 2015 ,		2
234	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
233	Analysis, control and design of a long-lifetime AC-DC bus converter within a nanogrid 2015 ,		5
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