

# Chi K Tse

## List of Publications by Year in descending order

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273  
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citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Design for Efficiency Optimization and Voltage Controllability of Series-Compensated Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2014, 29, 191-200.   | 7.9 | 465       |
| 2  | General Design Issues of Sliding-Mode Controllers in DC-DC Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 1160-1174.  | 7.9 | 461       |
| 3  | Hybrid IPT Topologies With Constant Current or Constant Voltage Output for Battery Charging Applications. IEEE Transactions on Power Electronics, 2015, 30, 6329-6337.  | 7.9 | 342       |
| 4  | Analysis and Comparison of Secondary Series- and Parallel-Compensated Inductive Power Transfer Systems Operating for Optimal Efficiency and Load-Independent Voltage-Transfer Ratio. IEEE Transactions on Power Electronics, 2014, 29, 2979-2990. | 7.9 | 340       |
| 5  | DC/DC Conversion Systems Consisting of Multiple Converter Modules: Stability, Control, and Experimental Verifications. IEEE Transactions on Power Electronics, 2009, 24, 1463-1474.   | 7.9 | 312       |
| 6  | A network perspective of the stock market. Journal of Empirical Finance, 2010, 17, 659-667.   | 1.8 | 299       |
| 7  | Full Feedforward of Grid Voltage for Grid-Connected Inverter With LCL Filter to Suppress Current Distortion Due to Grid Voltage Harmonics. IEEE Transactions on Power Electronics, 2010, 25, 3119-3127.   | 7.9 | 298       |
| 8  | Synthesis of Multiple-Input DC/DC Converters. IEEE Transactions on Power Electronics, 2010, 25, 2372-2385.  | 7.9 | 250       |
| 9  | Analysis, Design, and Control of a Transcutaneous Power Regulator for Artificial Hearts. IEEE Transactions on Biomedical Circuits and Systems, 2009, 3, 23-31.  | 4.0 | 210       |
| 10 | A survey, classification, and critical review of light-emitting diode drivers. IEEE Transactions on Power Electronics, 2016, 31, 1503-1516.   | 7.9 | 197       |
| 11 | Control Strategy for Input-Series-Output-Parallel Converters. IEEE Transactions on Industrial Electronics, 2009, 56, 1174-1185.   | 7.9 | 196       |
| 12 | Indirect Sliding Mode Control of Power Converters Via Double Integral Sliding Surface. IEEE Transactions on Power Electronics, 2008, 23, 600-611.   | 7.9 | 193       |
| 13 | Impedance-Based Local Stability Criterion for DC Distributed Power Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 916-925.   | 5.4 | 193       |
| 14 | A Fast-Response Sliding-Mode Controller for Boost-Type Converters With a Wide Range of Operating Conditions. IEEE Transactions on Industrial Electronics, 2007, 54, 3276-3286.  | 7.9 | 181       |
| 15 | Higher Order Compensation for Inductive-Power-Transfer Converters With Constant-Voltage or Constant-Current Output Combating Transformer Parameter Constraints. IEEE Transactions on Power Electronics, 2017, 32, 394-405.                        | 7.9 | 169       |
| 16 | Control Design for Optimizing Efficiency in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 4523-4534.  | 7.9 | 160       |
| 17 | On Energy Efficiency of Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2013, 28, 862-876.   | 7.9 | 151       |
| 18 | Analysis and Control of Series-Series-Parallel Compensated Resonant Converter for Contactless Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 124-136.  | 5.4 | 147       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Adaptive Active Capacitor Converter for Improving Stability of Cascaded DC Power Supply System. IEEE Transactions on Power Electronics, 2013, 28, 1807-1816.  | 7.9 | 144       |
| 20 | Circuit Theoretic Classification of Parallel Connected DC&ndash;DC Converters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1099-1108.   | 0.1 | 125       |
| 21 | Design of a Single-Stage Inductive-Power-Transfer Converter for Efficient EV Battery Charging. IEEE Transactions on Vehicular Technology, 2017, 66, 5808-5821.  | 6.3 | 120       |
| 22 | On Driving Techniques for LEDs: Toward a Generalized Methodology. IEEE Transactions on Power Electronics, 2009, 24, 2967-2976.  | 7.9 | 118       |
| 23 | Bilevel Current Driving Technique for LEDs. IEEE Transactions on Power Electronics, 2009, 24, 2920-2932.  | 7.9 | 114       |
| 24 | Noncascading Structure for Electronic Ballast Design for Multiple LED Lamps With Independent Brightness Control. IEEE Transactions on Power Electronics, 2010, 25, 331-340.   | 7.9 | 114       |
| 25 | A Delay-Aware Data Collection Network Structure for Wireless Sensor Networks. IEEE Sensors Journal, 2011, 11, 699-710.  | 4.7 | 113       |
| 26 | Resonance-Assisted Buck Converter for Offline Driving of Power LED Replacement Lamps. IEEE Transactions on Power Electronics, 2011, 26, 532-540.  | 7.9 | 110       |
| 27 | Load-Independent Duality of Current and Voltage Outputs of a Series- or Parallel-Compensated Inductive Power Transfer Converter With Optimized Efficiency. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 137-146. | 5.4 | 109       |
| 28 | Bifurcation and Large-Signal Stability Analysis of Three-Phase Voltage Source Converter Under Grid Voltage Dips. IEEE Transactions on Power Electronics, 2017, 32, 8868-8879.   | 7.9 | 108       |
| 29 | SMALL WORLD AND SCALE FREE MODEL OF TRANSMISSION OF SARS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1745-1755.  | 1.7 | 92        |
| 30 | An IPT Battery Charger With Near Unity Power Factor and Load-Independent Constant Output Combating Design Constraints of Input Voltage and Transformer Parameters. IEEE Transactions on Power Electronics, 2019, 34, 7719-7727.                 | 7.9 | 92        |
| 31 | Assessment of Robustness of Power Systems From a Network Perspective. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 456-464.   | 3.6 | 91        |
| 32 | Traffic congestion in interconnected complex networks. Physical Review E, 2014, 89, 062813.   | 2.1 | 90        |
| 33 | An Optimized Track Length in Roadway Inductive Power Transfer Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 598-608.   | 5.4 | 88        |
| 34 | Adaptive Mixed On-Time and Switching Frequency Control of a System of Interleaved Switched-Capacitor Converters. IEEE Transactions on Power Electronics, 2011, 26, 364-380.   | 7.9 | 84        |
| 35 | A Family of Hybrid IPT Topologies With Near Load-Independent Output and High Tolerance to Pad Misalignment. IEEE Transactions on Power Electronics, 2020, 35, 6867-6877.  | 7.9 | 84        |
| 36 | Analysis of Output Current Characteristics for Higher Order Primary Compensation in Inductive Power Transfer Systems. IEEE Transactions on Power Electronics, 2018, 33, 6807-6821.  | 7.9 | 83        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Coexisting Fast-Scale and Slow-Scale Instability in Current-Mode Controlled DC/DC Converters: Analysis, Simulation and Experimental Results. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3335-3348.                          | 5.4 | 82        |
| 38 | Spherical Simplex-Radial Cubature Kalman Filter. IEEE Signal Processing Letters, 2014, 21, 43-46.   | 3.6 | 81        |
| 39 | An Improved <i>LCLC</i> Current-Source-Output Multistring LED Driver With Capacitive Current Balancing. IEEE Transactions on Power Electronics, 2015, 30, 5783-5791.  | 7.9 | 78        |
| 40 | A Single-Stage Inductive-Power-Transfer Converter for Constant-Power and Maximum-Efficiency Battery Charging. IEEE Transactions on Power Electronics, 2020, 35, 8973-8984.  | 7.9 | 77        |
| 41 | Fast-scale instability in a PFC boost converter under average current-mode control. International Journal of Circuit Theory and Applications, 2003, 31, 611-624.  | 2.0 | 76        |
| 42 | APPLYING RESONANT PARAMETRIC PERTURBATION TO CONTROL CHAOS IN THE BUCK DC/DC CONVERTER WITH PHASE SHIFT AND FREQUENCY MISMATCH CONSIDERATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3459-3471. | 1.7 | 76        |
| 43 | Effects of Interaction of Power Converters Coupled via Power Grid: A Design-Oriented Study. IEEE Transactions on Power Electronics, 2015, 30, 3589-3600.  | 7.9 | 75        |
| 44 | A Methodology for Studying 802.11p VANET Broadcasting Performance With Practical Vehicle Distribution. IEEE Transactions on Vehicular Technology, 2015, 64, 4756-4769.  | 6.3 | 74        |
| 45 | Analysis of Communication Network Performance From a Complex Network Perspective. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3303-3316.   | 5.4 | 72        |
| 46 | Design of a Current-Source-Output Inductive Power Transfer LED Lighting System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 306-314.  | 5.4 | 72        |
| 47 | An Inductive-Power-Transfer Converter With High Efficiency Throughout Battery-Charging Process. IEEE Transactions on Power Electronics, 2019, 34, 10245-10255.  | 7.9 | 70        |
| 48 | Bifurcation Analysis of Standalone Photovoltaic-Battery Hybrid Power System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1354-1365.  | 5.4 | 69        |
| 49 | Precise Characteristics Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 101-110.   | 5.4 | 68        |
| 50 | Modeling the Dynamics of Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 192-204.   | 3.6 | 68        |
| 51 | Fast-scale bifurcation in single-stage PFC power supplies operating with DCM boost stage and CCM forward stage. International Journal of Circuit Theory and Applications, 2006, 34, 341-355.  | 2.0 | 64        |
| 52 | Effects of Cyber Coupling on Cascading Failures in Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 228-238.   | 3.6 | 63        |
| 53 | Logarithmic Hyperbolic Cosine Adaptive Filter and Its Performance Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2512-2524.   | 9.3 | 63        |
| 54 | On the Color Stability of Phosphor-Converted White LEDs Under DC, PWM, and Bilevel Drive. IEEE Transactions on Power Electronics, 2012, 27, 974-984.  | 7.9 | 62        |

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|----|--|------|-----------|
| 55 | An Encryption Scheme Based on Synchronization of Two-Layered Complex Dynamical Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2010-2021.                       | 5.4  | 62        |
| 56 | A Clustering Algorithm for Wireless Sensor Networks Based on Social Insect Colonies. IEEE Sensors Journal, 2011, 11, 711-721.  | 4.7  | 61        |
| 57 | A Constraint-Aware Heuristic Path Planner for Finding Energy-Efficient Paths on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2015, 11, 601-611.                                 | 11.3 | 61        |
| 58 | Single-Inductor Multi-Input Multi-Output DC-DC Converter With High Flexibility and Simple Control. IEEE Transactions on Power Electronics, 2020, 35, 13104-13114.                                | 7.9  | 60        |
| 59 | Fast-scale bifurcation in power-factor-correction buck-boost converters and effects of incompatible periodicities. International Journal of Circuit Theory and Applications, 2006, 34, 251-264.  | 2.0  | 59        |
| 60 | A Family of Exponential Step-Down Switched-Capacitor Converters and Their Applications in Two-Stage Converters. IEEE Transactions on Power Electronics, 2014, 29, 1870-1880.                     | 7.9  | 59        |
| 61 | Complex network structure of musical compositions: Algorithmic generation of appealing music. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 126-132.                         | 2.6  | 57        |
| 62 | BIFURCATION BEHAVIOR OF A POWER-FACTOR-CORRECTION BOOST CONVERTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 3107-3114.                      | 1.7  | 56        |
| 63 | Synthesis and Analysis of Double-Input Single-Output DC/DC Converters. IEEE Transactions on Industrial Electronics, 2015, 62, 6284-6295.   | 7.9  | 56        |
| 64 | General Control Considerations for Input-Series Connected DC/DC Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1286-1296.                                    | 5.4  | 55        |
| 65 | Variable Structure Modeling and Design of Switched-Capacitor Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2132-2142.                                       | 5.4  | 54        |
| 66 | A Unified Approach for the Derivation of Robust Control for Boost PFC Converters. IEEE Transactions on Power Electronics, 2009, 24, 2531-2544.   | 7.9  | 53        |
| 67 | Constructing Short-Length Irregular LDPC Codes with Low Error Floor. IEEE Transactions on Communications, 2010, 58, 2823-2834.   | 7.8  | 53        |
| 68 | Modeling and prediction of the 2019 coronavirus disease spreading in China incorporating human migration data. PLoS ONE, 2020, 15, e0241171.   | 2.5  | 52        |
| 69 | Comments on "Unified Analysis of Switched-Capacitor Resonant Converters". IEEE Transactions on Industrial Electronics, 2007, 54, 684-685.  | 7.9  | 51        |
| 70 | Color Control System for RGB LED With Application to Light Sources Suffering From Prolonged Aging. IEEE Transactions on Industrial Electronics, 2014, 61, 1788-1798.                             | 7.9  | 51        |
| 71 | Wide Design Range of Constant Output Current Using Double-Sided LC Compensation Circuits for Inductive-Power-Transfer Applications. IEEE Transactions on Power Electronics, 2019, 34, 2364-2374. | 7.9  | 50        |
| 72 | Characterization of the dynamic response of proton exchange membrane fuel cells – A numerical study. International Journal of Hydrogen Energy, 2010, 35, 11861-11877.                            | 7.1  | 49        |

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|----|---|------|-----------|
| 73 | Low-Frequency Hopf Bifurcation and Its Effects on Stability Margin in Three-Phase PFC Power Supplies Connected to Non-Ideal Power Grid. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3328-3340.     | 5.4  | 49        |
| 74 | Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1062-1071.  | 5.4  | 49        |
| 75 | Self-Oscillating Resonant Converter With Contactless Power Transfer and Integrated Current Sensing Transformer. IEEE Transactions on Power Electronics, 2017, 32, 4839-4851.  | 7.9  | 49        |
| 76 | Single-Phase LED Drivers With Minimal Power Processing, Constant Output Current, Input Power Factor Correction, and Without Electrolytic Capacitor. IEEE Transactions on Power Electronics, 2018, 33, 6159-6170.              | 7.9  | 48        |
| 77 | Color Control System for RGB LED Light Sources Using Junction Temperature Measurement. , 2007, , .  |      | 46        |
| 78 | Control and Modulation of Bidirectional Single-Phase AC-DC Three-Phase-Leg SPWM Converters With Active Power Decoupling and Minimal Storage Capacitance. IEEE Transactions on Power Electronics, 2016, 31, 4226-4240.         | 7.9  | 46        |
| 79 | Current-Source-Mode Single-Inductor Multiple-Output LED Driver With Single Closed-Loop Control Achieving Independent Dimming Function. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1198-1209. | 5.4  | 46        |
| 80 | Slow-Scale Instability of Single-Stage Power-Factor-Correction Power Supplies. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1724-1735.   | 0.1  | 45        |
| 81 | Nonlinear Behavior and Instability in a Three-Phase Boost Rectifier Connected to a Nonideal Power Grid With an Interacting Load. IEEE Transactions on Power Electronics, 2013, 28, 3255-3265.                                 | 7.9  | 45        |
| 82 | Sequential Restorations of Complex Networks After Cascading Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 400-411.   | 9.3  | 44        |
| 83 | Temperature Measurement Technique for Stabilizing the Light Output of RGB LED Lamps. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 661-670.   | 4.7  | 43        |
| 84 | A theoretical study of inlet relative humidity control in PEM fuel cell. International Journal of Hydrogen Energy, 2011, 36, 11871-11885.   | 7.1  | 43        |
| 85 | DESIGN-ORIENTED BIFURCATION ANALYSIS OF POWER ELECTRONICS SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1523-1537.   | 1.7  | 43        |
| 86 | A PFC Single-Coupled-Inductor Multiple-Output LED Driver Without Electrolytic Capacitor. IEEE Transactions on Power Electronics, 2019, 34, 1709-1725.   | 7.9  | 43        |
| 87 | Circuits and Systems Issues in Power Electronics Penetrated Power Grid. IEEE Open Journal of Circuits and Systems, 2020, 1, 140-156.  | 1.9  | 43        |
| 88 | Data Clustering with Cluster Size Constraints Using a Modified K-Means Algorithm. , 2014, , .   |      | 42        |
| 89 | Distributed Antiflocking Algorithms for Dynamic Coverage of Mobile Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 1795-1805.   | 11.3 | 42        |
| 90 | Practical Design and Evaluation of a 1 kW PFC Power Supply Based on Reduced Redundant Power Processing Principle. IEEE Transactions on Industrial Electronics, 2008, 55, 665-673.   | 7.9  | 41        |

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|-----|--|-----|-----------|
| 91  | Design and Analysis of \$LCC\$ Resonant Network for Quasi-Lossless Current Balancing in Multistring AC-LED Array. IEEE Transactions on Power Electronics, 2013, 28, 1047-1059.               | 7.9 | 41        |
| 92  | COMPLEX INTERMITTENCY IN SWITCHING CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 121-140.  | 1.7 | 40        |
| 93  | A modified quantized kernel least mean square algorithm for prediction of chaotic time series. , 2016, 48, 130-136.  |     | 38        |
| 94  | Sustained Slow-Scale Oscillation in Higher Order Current-Mode Controlled Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 489-493.                         | 3.0 | 37        |
| 95  | Research on IPT Resonant Converters With High Misalignment Tolerance Using Multicoil Receiver Set. IEEE Transactions on Power Electronics, 2020, 35, 3697-3712.                              | 7.9 | 37        |
| 96  | Circuit Theoretic Considerations of LED Driving: Voltage-Source Versus Current-Source Driving. IEEE Transactions on Power Electronics, 2019, 34, 4689-4702.                                  | 7.9 | 36        |
| 97  | A COMPLEX NETWORK PERSPECTIVE OF WORLD STOCK MARKETS: SYNCHRONIZATION AND VOLATILITY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250142. | 1.7 | 34        |
| 98  | AC-DC LED Driver With an Additional Active Rectifier and a Unidirectional Auxiliary Circuit for AC Power Ripple Isolation. IEEE Transactions on Power Electronics, 2019, 34, 685-699.        | 7.9 | 34        |
| 99  | Comparison of co-occurrence networks of the Chinese and English languages. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4901-4909.                                      | 2.6 | 33        |
| 100 | Analysis and control of S/SP compensation contactless resonant converter with constant voltage gain. , 2013, , .   |     | 33        |
| 101 | A Current Balancing Scheme With High Luminous Efficacy for High-Power LED Lighting. IEEE Transactions on Power Electronics, 2014, 29, 2649-2654.   | 7.9 | 33        |
| 102 | Kernel Least Mean Square with Single Feedback. IEEE Signal Processing Letters, 2015, 22, 953-957.  | 3.6 | 33        |
| 103 | Design and Performance Considerations of PFC Switching Regulators Based on Noncascading Structures. IEEE Transactions on Industrial Electronics, 2010, 57, 3730-3745.                        | 7.9 | 32        |
| 104 | Transient Mitigation of DC-DC Converters for High Output Current Slew Rate Applications. IEEE Transactions on Power Electronics, 2013, 28, 2377-2388.  | 7.9 | 32        |
| 105 | An Alternative Approach to LED Driver Design Based on High-Voltage Driving. IEEE Transactions on Power Electronics, 2016, 31, 2465-2475.   | 7.9 | 32        |
| 106 | Cascading Failure of Cyber-Coupled Power Systems Considering Interactions Between Attack and Defense. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4323-4336.      | 5.4 | 32        |
| 107 | Line-Frequency Instability of PFC Power Supplies. IEEE Transactions on Power Electronics, 2009, 24, 469-482.   | 7.9 | 31        |
| 108 | A Class of Stable Square-Root Nonlinear Information Filters. IEEE Transactions on Automatic Control, 2014, 59, 1893-1898.  | 5.7 | 31        |

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|-----|---|------|-----------|
| 109 | Approximate Discrete-Time Modeling of DC-DC Converters With Consideration of the Effects of Pulse Width Modulation. IEEE Transactions on Power Electronics, 2018, 33, 7071-7082.                            | 7.9  | 31        |
| 110 | Unified Equivalent Modeling for Stability Analysis of Parallel-Connected DC/DC Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 898-902.                                 | 3.0  | 30        |
| 111 | Synchronization in Directed Complex Networks Using Graph Comparison Tools. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1185-1194.  | 5.4  | 30        |
| 112 | A General Approach to Programmable and Reconfigurable Emulation of Power Impedances. IEEE Transactions on Power Electronics, 2018, 33, 259-271.   | 7.9  | 30        |
| 113 | Quasi-Maximum Efficiency Point Tracking for Direct Methanol Fuel Cell in DMFC/Supercapacitor Hybrid Energy System. IEEE Transactions on Energy Conversion, 2012, 27, 561-571.                               | 5.2  | 28        |
| 114 | Independent Control of Multicolor-Multistring LED Lighting Systems With Fully Switched-Capacitor-Controlled LLC Resonant Network. IEEE Transactions on Power Electronics, 2018, 33, 4293-4305.              | 7.9  | 28        |
| 115 | Sequential topology recovery of complex power systems based on reinforcement learning. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122487.  | 2.6  | 28        |
| 116 | A novel transformer for contactless energy transmission systems. , 2009, , .  |      | 27        |
| 117 | Stationary and Adaptive Color-Shift Reduction Methods Based on the Bilevel Driving Technique for Phosphor-Converted White LEDs. IEEE Transactions on Power Electronics, 2011, 26, 1943-1953.                | 7.9  | 27        |
| 118 | INTERACTION OF FAST-SCALE AND SLOW-SCALE BIFURCATIONS IN CURRENT-MODE CONTROLLED DC/DC CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1609-1622. | 1.7  | 26        |
| 119 | Design methodology of a series-series inductive power transfer system for electric vehicle battery charger application. , 2014, , .   |      | 26        |
| 120 | Concept of Node Usage Probability From Complex Networks and Its Applications to Communication Network Design. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1195-1204.             | 5.4  | 25        |
| 121 | A Tutorial on Modeling and Analysis of Cascading Failure in Future Power Grids. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 49-55.  | 3.0  | 25        |
| 122 | Optimizing Performance of Communication Networks: An Application of Network Science. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 95-99.   | 3.0  | 24        |
| 123 | Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.   | 11.3 | 24        |
| 124 | Overall Loss Compensation and Optimization Control in Single-Stage Inductive Power Transfer Converter Delivering Constant Power. IEEE Transactions on Power Electronics, 2022, 37, 1146-1158.               | 7.9  | 24        |
| 125 | Boundaries between fast- and slow-scale bifurcations in parallel-connected buck converters. International Journal of Circuit Theory and Applications, 2008, 36, 681-695.                                    | 2.0  | 23        |
| 126 | Sequential Variable Bilevel Driving Approach Suitable for Use in High-Color-Precision LED Display Panels. IEEE Transactions on Industrial Electronics, 2012, 59, 4637-4645.                                 | 7.9  | 23        |



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|-----|---|-----|-----------|
| 127 | Energy-Saving Driver Design for Full-Color Large-Area LED Display Panel Systems. IEEE Transactions on Industrial Electronics, 2014, 61, 4665-4673.  | 7.9 | 23        |
| 128 | A class of improved least sum of exponentials algorithms. Signal Processing, 2016, 128, 340-349.  | 3.7 | 23        |
| 129 | A new visit to an old problem in switched-capacitor converters. , 2010, , .   |     | 22        |
| 130 | Discrete-Time Modeling and Stability Analysis of Periodic Orbits With Sliding for Switched Linear Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2948-2955.            | 5.4 | 22        |
| 131 | Complex-Network Modeling of a Call Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 416-429.   | 5.4 | 21        |
| 132 | Bifurcation Analysis and Experimental Study of a Multi-Operating-Mode Photovoltaic-Battery Hybrid Power System. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2015, 5, 316-325. | 3.6 | 21        |
| 133 | Buck-Boost Buck-Type Single-Switch Multistring Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Transactions on Power Electronics, 2020, 35, 5132-5143.                   | 7.9 | 21        |
| 134 | Synthesis of Multi-Input Multi-Output DC/DC Converters Without Energy Buffer Stages. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 712-716.                                   | 3.0 | 21        |
| 135 | Bifurcation Behavior of SPICE Simulations of Switching Converters: A Systematic Analysis of Erroneous Results. IEEE Transactions on Power Electronics, 2007, 22, 1743-1752.                             | 7.9 | 20        |
| 136 | Analysis of the Characteristic of the Kalman Gain for 1-D Chaotic Maps in Cubature Kalman Filter. IEEE Signal Processing Letters, 2013, 20, 229-232.  | 3.6 | 20        |
| 137 | Novel cubature Kalman filtering for systems involving nonlinear states and linear measurements. AEU - International Journal of Electronics and Communications, 2015, 69, 314-320.                       | 2.9 | 20        |
| 138 | Optimal Design of Complex Switched-Capacitor Converters Via Energy-Flow-Path Analysis. IEEE Transactions on Power Electronics, 2017, 32, 1170-1185.   | 7.9 | 19        |
| 139 | Kernel Adaptive Filters With Feedback Based on Maximum Correntropy. IEEE Access, 2018, 6, 10540-10552.  | 4.2 | 19        |
| 140 | Effects of traffic generation patterns on the robustness of complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 871-877.  | 2.6 | 19        |
| 141 | Design for continuous-current mode operation of inductive power transfer converters with load-independent output. IET Power Electronics, 2019, 12, 2458-2465.   | 2.1 | 19        |
| 142 | A More Efficient PFC Single-Coupled-Inductor Multiple-Output Electrolytic Capacitor-Less LED Driver With Energy-Flow-Path Optimization. IEEE Transactions on Power Electronics, 2019, 34, 9052-9066.    | 7.9 | 19        |
| 143 | General control for boost PFC converter from a sliding mode viewpoint. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .  | 0.0 | 18        |
| 144 | Convergence analysis of nonlinear Kalman filters with novel innovation-based method. Neurocomputing, 2018, 289, 188-194.  | 5.9 | 18        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Counteracting the Dynamical Degradation of Digital Chaos by Applying Stochastic Jump of Chaotic Orbits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930023. | 1.7 | 18        |
| 146 | On Optimal Detection of Noncoherent Chaos-Shift-Keying Signals in a Noisy Environment. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1587-1597.                | 1.7 | 17        |
| 147 | Single-Inductor Multiple-Input Multiple-Output Converter With Common Ground, High Scalability, and No Cross-Regulation. IEEE Transactions on Power Electronics, 2021, 36, 6750-6760.                           | 7.9 | 17        |
| 148 | Scale-free user-network approach to telephone network traffic analysis. Physical Review E, 2005, 72, 026116.   | 2.1 | 16        |
| 149 | Source Extraction in Bandwidth Constrained Wireless Sensor Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 947-951.  | 3.0 | 16        |
| 150 | Adding Randomness to Modeling Internet TCP-RED Systems With Interactive Gateways. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 300-304.   | 3.0 | 16        |
| 151 | A study of sectional tracks in roadway inductive power transfer system. , 2011, , .  |     | 16        |
| 152 | Compensation technique for optimized efficiency and voltage controllability of IPT systems. , 2012, , .  |     | 16        |
| 153 | Accurate Capacitive Current Balancing in Multistring LED Lighting Systems Based on Switched-Capacitor-Controlled \$LCC\$ Resonant Network. IEEE Transactions on Power Electronics, 2017, 32, 2167-2179.        | 7.9 | 16        |
| 154 | Revealing Structural and Functional Vulnerability of Power Grids to Cascading Failures. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 133-143.                               | 3.6 | 16        |
| 155 | Effects of High Level of Penetration of Renewable Energy Sources on Cascading Failure of Modern Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 98-106.         | 3.6 | 16        |
| 156 | Isolated PFC Pre-Regulator for LED Lamps. , 2008, , .  |     | 15        |
| 157 | Development of a maximum-power-point tracking algorithm for direct methanol fuel cell and its realization in a fuel cell/supercapacitor hybrid energy system. , 2011, , .                                      |     | 15        |
| 158 | SMOOTH AND NONSMOOTH BIFURCATIONS IN MULTI-STRUCTURE MULTI-OPERATING-MODE HYBRID POWER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350094.         | 1.7 | 15        |
| 159 | Fault Diagnosis of Analog Circuits Using Systematic Tests Based on Data Fusion. Circuits, Systems, and Signal Processing, 2013, 32, 525-539.   | 2.0 | 15        |
| 160 | Pre-Energized Auxiliary Circuits for Very Fast Transient Loads: Coping With Load-Informed Power Management for Computer Loads. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 637-648. | 5.4 | 15        |
| 161 | Augmented Buck Converter Design using Resonant Circuits for Fast Transient Recovery. IEEE Transactions on Power Electronics, 2016, 31, 5666-5679.  | 7.9 | 15        |
| 162 | Optimal topologies for maximizing network transmission capacity. Physica A: Statistical Mechanics and Its Applications, 2018, 495, 191-201.  | 2.6 | 15        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Stability Issue of Cascaded Systems With Consideration of Switching Ripple Interaction. IEEE Transactions on Power Electronics, 2019, 34, 7040-7052.  | 7.9 | 15        |
| 164 | A Method of Seamless Transitions Between Different Operating Modes for Three-Port DC-DC Converters. IEEE Access, 2021, 9, 59184-59195.  | 4.2 | 15        |
| 165 | Analysis of telephone network traffic based on a complex user network. Physica A: Statistical Mechanics and Its Applications, 2006, 368, 583-594.   | 2.6 | 14        |
| 166 | Robust current control for boost PFC converters from a sliding mode viewpoint. International Journal of Circuit Theory and Applications, 2011, 39, 543-556.   | 2.0 | 14        |
| 167 | COMPLEX NETWORK APPLICATION IN FAULT DIAGNOSIS OF ANALOG CIRCUITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1323-1330.   | 1.7 | 14        |
| 168 | A Nonisolated Three-Port DC-DC Converter With Two Bidirectional Ports and Fewer Components. IEEE Transactions on Power Electronics, 2022, 37, 8207-8216.  | 7.9 | 14        |
| 169 | A general stochastic model for studying time evolution of transition networks. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 198-210.   | 2.6 | 13        |
| 170 | A RETURN MAP REGRESSION APPROACH FOR NONCOHERENT DETECTION IN CHAOTIC DIGITAL COMMUNICATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 685-690.  | 1.7 | 12        |
| 171 | Nonlinear control of switched-capacitor converter using sliding mode control approach. , 2008, , .  |     | 12        |
| 172 | A stochastic traffic modeling approach for 802.11p VANET broadcasting performance evaluation. , 2012, , .   |     | 12        |
| 173 | Study on co-occurrence character networks from Chinese essays in different periods. Science China Information Sciences, 2012, 55, 2417-2427.  | 4.3 | 12        |
| 174 | Dynamics of Network of Global Stock Markets. Accounting and Finance Research, 2012, 1, .  | 0.2 | 12        |
| 175 | Stability of interacting grid-connected power converters. Journal of Modern Power Systems and Clean Energy, 2013, 1, 249-257.   | 5.4 | 12        |
| 176 | Classification of Auxiliary Circuit Schemes for Feeding Fast Load Transients in Switching Power Supplies. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 930-942.   | 5.4 | 12        |
| 177 | Comparative Study of COVID-19 Pandemic Progressions in 175 Regions in Australia, Canada, Italy, Japan, Spain, U.K. and USA Using a Novel Model That Considers Testing Capacity and Deficiency in Confirming Infected Cases. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2836-2847. | 6.3 | 12        |
| 178 | Homoclinic Bifurcation of a Grid-Forming Voltage Source Converter. IEEE Transactions on Power Electronics, 2021, 36, 13176-13187.   | 7.9 | 12        |
| 179 | Impact of wind power uncertainty on cascading failure in cyber-physical power systems. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126358.  | 2.6 | 12        |
| 180 | Design-Oriented Bifurcation Analysis of Power Electronics Systems. Understanding Complex Systems, 2009, , 175-187.  | 0.6 | 11        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | A power and thermal-aware virtual machine allocation mechanism for Cloud data centers. , 2015, , .   |     | 11        |
| 182 | Inductive Power Transfer System With Maximum Efficiency Tracking Control and Real-Time Mutual Inductance Estimation. IEEE Transactions on Power Electronics, 2022, 37, 6156-6167.                                  | 7.9 | 11        |
| 183 | APPROXIMATE-OPTIMAL DETECTOR FOR CHAOS COMMUNICATION SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1329-1335.   | 1.7 | 10        |
| 184 | OSCILLATION AND PERIOD DOUBLING IN TCP/RED SYSTEM: ANALYSIS AND VERIFICATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1459-1475.                             | 1.7 | 10        |
| 185 | Circuit theory of paralleling switching converters. International Journal of Circuit Theory and Applications, 2009, 37, 109-135.   | 2.0 | 10        |
| 186 | Global similarity tests of physical designs of circuits: A complex network approach. Applied Mathematics and Computation, 2014, 230, 96-103.   | 2.2 | 10        |
| 187 | Advanced Algorithms for Local Routing Strategy on Complex Networks. PLoS ONE, 2016, 11, e0156756.  | 2.5 | 10        |
| 188 | Synthesis and Analysis of Three-Port DC/DC Converters with Two Bidirectional Ports Based on Power Flow Graph Technique. Energies, 2021, 14, 5751.  | 3.1 | 10        |
| 189 | Steady-State Analysis of Series/Series-Parallel Compensated Contactless Resonant Converter. , 2014, , .  |     | 9         |
| 190 | Integrating Reinforcement Learning and Optimal Power Dispatch to Enhance Power Grid Resilience. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1402-1406.                                 | 3.0 | 9         |
| 191 | GENERAL CONSIDERATION FOR MODELING AND BIFURCATION ANALYSIS OF SWITCHED DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 693-700.                  | 1.7 | 8         |
| 192 | Calculation of steady-state solution of parallel-connected buck converters with active current sharing and its parameter sensitivity. International Journal of Circuit Theory and Applications, 2011, 39, 275-297. | 2.0 | 8         |
| 193 | Current-fed isolated PFC pre-regulator for multiple LED lamps with extended lifetime. International Journal of Circuit Theory and Applications, 2012, 40, 759-775.   | 2.0 | 8         |
| 194 | Analysis and comparison of secondary series- and parallel-compensated IPT systems. , 2013, , .   |     | 8         |
| 195 | An ACO-based off-line path planner for nonholonomic mobile robots. , 2014, , .   |     | 8         |
| 196 | Finding energy-efficient paths on uneven terrains. , 2014, , .   |     | 8         |
| 197 | Load-independent current output of inductive power transfer converters with optimized efficiency. , 2014, , .  |     | 8         |
| 198 | Modeling of unbalanced three-phase driving-point impedance with application to control of grid-connected power converters. International Journal of Circuit Theory and Applications, 2016, 44, 851-873.            | 2.0 | 8         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Rapidly Replanning A*. , 2016, , .  |     | 8         |
| 200 | Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving. , 2016, , .  |     | 8         |
| 201 | Robustness Assessment and Enhancement of Power Grids From a Complex Networkâ€™s Perspective Using Decision Trees. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 833-837.  | 3.0 | 8         |
| 202 | Single-Inductor Multi-Input Multi-Output DC-DC Converter with High Flexibility and Simple Control. , 2020, , .  |     | 8         |
| 203 | Generalized Correntropy Sparse Gaussâ€™Hermite Quadrature Filter for Epidemic Tracking on Complex Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2770-2778.   | 9.3 | 8         |
| 204 | Stability Analysis of Two-Stage PFC Power Supplies. , 0, , .  |     | 7         |
| 205 | HOPF BIFURCATION AS AN INTERMEDIATE-SCALE INSTABILITY IN SINGLE-STAGE POWER-FACTOR-CORRECTION POWER SUPPLIES: ANALYSIS, SIMULATIONS AND EXPERIMENTAL VERIFICATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2095-2109. | 1.7 | 7         |
| 206 | Stability Analysis of Periodic Orbits of Nonautonomous Piecewise-Linear Systems by Mapping Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 845-849.   | 3.0 | 7         |
| 207 | Rapid replanning of energy-efficient paths for navigation on uneven terrains. , 2015, , .   |     | 7         |
| 208 | Multiobjective path planning on uneven terrains based on NAMOA. , 2016, , .   |     | 7         |
| 209 | General Pathways to Higher Order Compensation Circuits for IPT Converters via Sensitivity Analysis. IEEE Transactions on Power Electronics, 2021, 36, 9897-9906.  | 7.9 | 7         |
| 210 | Stability and Multiconstraint Operating Region of Grid-Connected Modular Multilevel Converter Under Grid Phase Disturbance. IEEE Transactions on Power Electronics, 2021, 36, 12551-12564.  | 7.9 | 7         |
| 211 | Evaluating the Randomness of Chaotic Binary Sequences Via a Novel Period Detection Algorithm. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .   | 1.7 | 7         |
| 212 | Generalization of Waveform Communications: The Fourier Analyzer Approach. Circuits, Systems, and Signal Processing, 2005, 24, 451-474.  | 2.0 | 6         |
| 213 | Series-Connected Current-Source-Mode Multiple-Output Converters With High Step-Down Ratio and Simple Control. IEEE Transactions on Power Electronics, 2019, 34, 10082-10093.  | 7.9 | 6         |
| 214 | A Model for Growth of Markets of Products or Services Having Hierarchical Dependence. IEEE Transactions on Network Science and Engineering, 2019, 6, 198-209.   | 6.4 | 6         |
| 215 | A Three-Layer Model for Studying Metro Network Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2665-2675.  | 9.3 | 6         |
| 216 | AN APPROACH TO CALCULATE THE BIT ERROR RATES OF MULTIPLE ACCESS CHAOTIC-SEQUENCE SPREAD-SPECTRUM COMMUNICATION SYSTEMS EMPLOYING MULTI-USER DETECTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 183-206.               | 1.7 | 5         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 217 | 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.   | 2.6 | 5         |
| 218 | Stability Analysis of RED Gateway with Multiple TCP Reno Connections. , 2007, , .   |     | 5         |
| 219 | Performanceâ€œlifetime tradeoff for source extraction in multihop sensor networks. <i>International Journal of Communication Systems</i> , 2010, 23, 1613-1631.                                     | 2.5 | 5         |
| 220 | BIFURCATION IN WIND ENERGY GENERATION SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 3795-3800.                                     | 1.7 | 5         |
| 221 | 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. | 7.1 | 5         |
| 222 | Transient mitigation of DC-DC converters using an auxiliary switching circuit. , 2011, , .  |     | 5         |
| 223 | Anti-windup dual-loop control of DFIG under unbalanced voltage conditions. , 2012, , .  |     | 5         |
| 224 | An Improved Dynamic Z* Algorithm for Rapid Replanning of Energy-Efficient Paths. , 2015, , .  |     | 5         |
| 225 | 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.               | 1.7 | 5         |
| 226 | Sequential Attackerâ€œDefender Game on Complex Networks Considering the Cascading Failure Process. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 518-529.                     | 4.4 | 5         |
| 227 | Synthesis of Reconfigurable and Scalable Single-Inductor Multiport Converters With No Cross Regulation. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 10889-10902.                      | 7.9 | 5         |
| 228 | 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.            | 1.7 | 4         |
| 229 | An Analysis on the Delay-Aware Data Collection Network Structure Using Pareto Optimality. , 2012, , .   |     | 4         |
| 230 | Transient response of three-phase voltage-source converters under grid-side faults. , 2015, , .   |     | 4         |
| 231 | A universal model for growth of user population of products and services. <i>Network Science</i> , 2016, 4, 491-507.  | 1.0 | 4         |
| 232 | Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy. , 2018, , .  |     | 4         |
| 233 | A thermalâ€œaware VM consolidation mechanism with outage avoidance. <i>Software - Practice and Experience</i> , 2019, 49, 906-920.  | 3.6 | 4         |
| 234 | Tradeoff Between Robustness and Functionality in Cyber-Coupled Power Systems. <i>IEEE Systems Journal</i> , 2022, 16, 499-509.  | 4.6 | 4         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | Nonlinear Behavior and Reduced-Order Models of Islanded Microgrid. IEEE Transactions on Power Electronics, 2022, 37, 9212-9225.   | 7.9 | 4         |
| 236 | Robustness analysis of cyber-coupled power systems with considerations of interdependence of structures, operations and dynamic behaviors. Physica A: Statistical Mechanics and Its Applications, 2022, 596, 127215.  | 2.6 | 4         |
| 237 | PERFORMANCE ANALYSIS OF MULTIPLE ACCESS CHAOTIC-SEQUENCE SPREAD-SPECTRUM COMMUNICATION SYSTEMS USING PARALLEL INTERFERENCE CANCELLATION RECEIVERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3633-3646. | 1.7 | 3         |
| 238 | Sensor selection for source extraction in heterogeneous wireless sensor networks. International Journal of Communication Systems, 2010, 23, 543-551.  | 2.5 | 3         |
| 239 | Application of Complex Networks to Coding. IEEE Circuits and Systems Magazine, 2010, 10, 38-47.   | 2.3 | 3         |
| 240 | Catastrophic bifurcation in three-phase boost rectifiers. , 2011, , .   |     | 3         |
| 241 | Contactless electronic ballast for high brightness LED lamps with positionally dimmed method. , 2012, , .   |     | 3         |
| 242 | Pre-energized compact auxiliary circuit to buffer loads from fast transients with the goal of managing load-informed power. , 2013, , .   |     | 3         |
| 243 | A network model for growth of publications and citations. Journal of Complex Networks, 0, , cnw019.   | 1.8 | 3         |
| 244 | Effect of Malware Spreading on Propagation of Cascading Failure in Cyber-Coupled Power Systems. , 2018, , .   |     | 3         |
| 245 | Resonant assisted buck converter for offline driving of high brightness LED replacement lamps. , 2010, , .  |     | 2         |
| 246 | Catastrophic Bifurcation in Three-Phase Voltage-Source Converters. , 2011, , .  |     | 2         |
| 247 | Irreversible instability in three-phase voltage-source converter connected to non-ideal power grid with interacting load. , 2012, , .   |     | 2         |
| 248 | Color control in RGB driver system applicable to LED of all ageing conditions. , 2012, , .  |     | 2         |
| 249 | Recent advances in bridging time series and complex networks. , 2013, , .   |     | 2         |
| 250 | A current balancing scheme with high luminous efficiency for high power LED lighting. , 2013, , .   |     | 2         |
| 251 | Energy efficient LED driving system for large-scale Video display panel. , 2013, , .  |     | 2         |
| 252 | A flyback converter with multiple ports for power management in DC distribution systems. , 2014, , .  |     | 2         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Modeling cascading failure propagation in power systems. , 2017, , .   |     | 2         |
| 254 | Analysis of Basic Structures of Interconnected Converters for Single-Input Multiple-Output Applications. , 2018, , .   |     | 2         |
| 255 | Universal Switched-Capacitor Converter for DC-DC, AC-DC, and DC-AC Applications. , 2019, , .   |     | 2         |
| 256 | Complex Behavior of Parallel-Connected DC/DC Converters from Nonlinear Viewpoint. Studies in Computational Intelligence, 2009, , 269-290.  | 0.9 | 1         |
| 257 | Design consideration of LCL-filter for three-phase voltage source inverter in distributed power grid. , 2014, , .  |     | 1         |
| 258 | Resonant augmentation circuits for a buck converter achieving minimum-time voltage recovery from load transients. , 2014, , .  |     | 1         |
| 259 | Fast linear control for maximum energy efficiency of wireless power transfer systems. , 2017, , .  |     | 1         |
| 260 | Optimal resource allocation with node and link capacity constraints in complex networks. , 2017, , .   |     | 1         |
| 261 | Effects of Coupling Patterns on Functionality and Robustness of Cyber-Coupled Power Systems. , 2020, , .   |     | 1         |
| 262 | Enhancing Robustness and Transmission Performance of Heterogeneous Complex Networks via Multiobjective Optimization. IEEE Systems Journal, 2021, , 1-12.   | 4.6 | 1         |
| 263 | Homoclinic Bifurcation of a Voltage Source Converter with Second-Order Grid-Forming Control. , 2021, , .   |     | 1         |
| 264 | Application of Current-Source-Mode Converters to Synthesis of Single-Input Dual-Output Regulators with No Cross Regulation. , 2020, , .  |     | 1         |
| 265 | Performance improvement of autocorrelation detector used in UWB impulse radio. , 2010, , .   |     | 0         |
| 266 | Future Design of Channel Codes: A Complex Network Perspective. , 2011, , .   |     | 0         |
| 267 | Variable bi-level phase-shifted driving method for high-power RGB LED lamps. , 2011, , .   |     | 0         |
| 268 | IMPACT OF TOPOLOGY ON THE MAXIMUM MULTICAST THROUGHPUT IN COMMUNICATION NETWORKS WITH NETWORK CODING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2741-2748. | 1.7 | 0         |
| 269 | Contactless electronic ballast for high brightness LED lamps with mechanical dimming method. , 2012, , .   |     | 0         |
| 270 | IRREVERSIBLE BIFURCATION PHENOMENON IN POWER-GRID CONNECTED CONVERTER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250155.                          | 1.7 | 0         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Comparison of Second-Order and Third-Order Compensation of Inductive Power Transfer Converters Based on Sensitivity Analysis. , 2020, , . |     | 0         |
| 272 | Power Grids in the Midst of Rapidly Increasing Penetration of Power Electronics. , 2020, , .  |     | 0         |
| 273 | A General Model for Studying Time Evolution of Transition Networks. Understanding Complex Systems, 2016, , 373-393.                       | 0.6 | 0         |