

Herbert Ho-Ching Iu

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.

235 papers	4,308 citations	34 h-index	54 g-index
262 ext. papers	5,617 ext. citations	4.5 avg, IF	6.27 L-index

#	Paper	IF	Citations
235	Current Sensing Techniques: A Review. <i>IEEE Sensors Journal</i> , 2009 , 9, 354-376	4	372
234	Quantum-Inspired Particle Swarm Optimization for Power System Operations Considering Wind Power Uncertainty and Carbon Tax in Australia. <i>IEEE Transactions on Industrial Informatics</i> , 2012 , 8, 880-888	11.9	135
233	HYPERCHAOS IN A MEMRISTOR-BASED MODIFIED CANONICAL CHUA'S CIRCUIT. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250133	2	101
232	A Floating Memristor Emulator Based Relaxation Oscillator. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 2888-2896	3.9	93
231	A Single-Stage AC/DC Converter With High Power Factor, Regulated Bus Voltage, and Output Voltage. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 218-228	7.2	89
230	A review of coordination strategies and protection schemes for microgrids. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 222-228	16.2	88
229	A critical review of cascading failure analysis and modeling of power system. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 9-22	16.2	87
228	Time lagged ordinal partition networks for capturing dynamics of continuous dynamical systems. <i>Chaos</i> , 2015 , 25, 053101	3.3	78
227	Chaotic behavior in fractional-order memristor-based simplest chaotic circuit using fourth degree polynomial. <i>Nonlinear Dynamics</i> , 2014 , 77, 231-241	5	76
226	A Memristive Chaotic Oscillator With Increasing Amplitude and Frequency. <i>IEEE Access</i> , 2018 , 6, 12945-12950	3.5	72
225	An Extremely Simple Chaotic System With Infinitely Many Coexisting Attractors. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1129-1133	3.5	71
224	Circuit simulation for synchronization of a fractional-order and integer-order chaotic system. <i>Nonlinear Dynamics</i> , 2013 , 73, 1671-1686	5	64
223	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. <i>IEEE Access</i> , 2018 , 6, 29003-29012	3.5	63
222	Fast-scale instability in a PFC boost converter under average current-mode control. <i>International Journal of Circuit Theory and Applications</i> , 2003 , 31, 611-624	2	63
221	Design of a Practical Memcapacitor Emulator Without Grounded Restriction. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2013 , 60, 207-211	3.5	62
220	Single-Stage AC/DC Boost/Forward Converter With High Power Factor and Regulated Bus and Output Voltages. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2128-2132	8.9	62
219	An Advanced Approach for Construction of Optimal Wind Power Prediction Intervals. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2706-2715	7	58

218	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2665-2675	7	58
217	Complex Networks Theory For Modern Smart Grid Applications: A Survey. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017 , 7, 177-191	5.2	52
216	A Universal Mutator for Transformations Among Memristor, Memcapacitor, and Meminductor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2014 , 61, 758-762	3.5	50
215	Optimal Robustness in Power Grids From a Network Science Perspective. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 126-130	3.5	48
214	A new formation control of multiple underactuated surface vessels. <i>International Journal of Control</i> , 2018 , 91, 1011-1022	1.5	45
213	BIFURCATION BEHAVIOR OF A POWER-FACTOR-CORRECTION BOOST CONVERTER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3107-3114	2	44
212	Event-Trigger Heterogeneous Nonlinear Filter for Wide-Area Measurement Systems in Power Grid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2752-2764	10.7	44
211	Event-Trigger Particle Filter for Smart Grids With Limited Communication Bandwidth Infrastructure. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6918-6928	10.7	42
210	An Approach for Wind Power Integration Using Demand Side Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 917-924	8.2	42
209	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 246-250	3.5	41
208	Power converters, control, and energy management for distributed generation. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 4466-4470	8.9	39
207	Synchronization of Chaotic Systems Using Time-Delayed Fuzzy State-Feedback Controller. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 893-903	3.9	39
206	A memristorMeminductor-based chaotic system with abundant dynamical behaviors. <i>Nonlinear Dynamics</i> , 2019 , 96, 765-788	5	39
205	State Estimation of Doubly Fed Induction Generator Wind Turbine in Complex Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4935-4944	7	38
204	COMPLEX INTERMITTENCY IN SWITCHING CONVERTERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 121-140	2	38
203	An Impedance Network Boost Converter With a High-Voltage Gain. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6661-6665	7.2	37
202	Dynamic Behavior of Coupled Memristor Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 1607-1616	3.9	36
201	A Novel Quasi-Decentralized Functional Observer Approach to LFC of Interconnected Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 3139-3151	7	34

200	A New Circuit for Emulating Memristors Using Inductive Coupling. <i>IEEE Access</i> , 2017 , 5, 1284-1295	3.5	33
199	A Nested Tensor Product Model Transformation. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 1-15	8.3	33
198	Chaotic oscillator based on memcapacitor and meminductor. <i>Nonlinear Dynamics</i> , 2019 , 96, 161-173	5	32
197	A Simple Floating Mutator for Emulating Memristor, Memcapacitor, and Meminductor. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1334-1338	3.5	32
196	Demand-Side Regulation Provision From Industrial Loads Integrated With Solar PV Panels and Energy Storage System for Ancillary Services. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5038-5049	11.8	32
195	A Conditional Symmetric Memristive System With Infinitely Many Chaotic Attractors. <i>IEEE Access</i> , 2020 , 8, 12394-12401	3.5	30
194	A Novel Control Strategy of DFIG Wind Turbines in Complex Power Systems for Enhancement of Primary Frequency Response and LFOD. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1811-1823	7	30
193	Parameter Identification of Chaotic and Hyper-Chaotic Systems Using Synchronization-Based Parameter Observer. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 1464-1475	3.9	30
192	Cooperative Dispatch of BESS and Wind Power Generation Considering Carbon Emission Limitation in Australia. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 11, 1313-1323	11.9	30
191	Stochastic Stability Condition for the Extended Kalman Filter With Intermittent Observations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 334-338	3.5	29
190	Simplified Load-Feedforward Control Design for Dual-Active-Bridge Converters With Current-Mode Modulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2018 , 6, 2073-2085	5.6	29
189	Large-Signal Stability of Grid-Forming and Grid-Following Controls in Voltage Source Converter: A Comparative Study. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7832-7840	7.2	28
188	Fixed Time Synchronization Control for Bilateral Teleoperation Mobile Manipulator With Nonholonomic Constraint and Time Delay. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 3452-3456	3.5	27
187	. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 853-863	11.9	27
186	Unified Equivalent Modeling for Stability Analysis of Parallel-Connected DC/DC Converters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 898-902	3.5	27
185	Memcapacitor model and its application in chaotic oscillator with memristor. <i>Chaos</i> , 2017 , 27, 013110	3.3	26
184	A Load-Forecasting-Based Adaptive Parameter Optimization Strategy of STATCOM Using ANNs for Enhancement of LFOD in Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2463-2472	11.9	26
183	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2512-2524	7.3	26

182	Improvement of Stability and Power Factor in PCM Controlled Boost PFC Converter With Hybrid Dynamic Compensation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015 , 62, 320-328	3.9	25
181	Stochastic Event-Triggered Cubature Kalman Filter for Power System Dynamic State Estimation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 1552-1556	3.5	25
180	A complex network theory analytical approach to power system cascading failure-From a cyber-physical perspective. <i>Chaos</i> , 2019 , 29, 053111	3.3	24
179	A Fully Decentralized Adaptive Droop Optimization Strategy for Power Loss Minimization in Microgrids With PV-BESS. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 385-395	5.4	24
178	Neuromorphic Vision Hybrid RRAM-CMOS Architecture. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018 , 26, 2816-2829	2.6	24
177	Dynamic State Estimation Based Control Strategy for DFIG Wind Turbine Connected to Complex Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 1-1	7	22
176	Polytopic H _∞ Filter design and relaxation for nonlinear systems via tensor product technique. <i>Signal Processing</i> , 2016 , 127, 191-205	4.4	22
175	Boundaries between fast- and slow-scale bifurcations in parallel-connected buck converters. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 681-695	2	22
174	A simple robust control for global asymptotic position stabilization of underactuated surface vessels. <i>International Journal of Robust and Nonlinear Control</i> , 2017 , 27, 5028-5043	3.6	21
173	Analog Weights in ReRAM DNN Accelerators 2019 ,		21
172	Reliability Assessment of the Switched Reluctance Motor Drive Under Single Switch Chopping Strategy. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 2395-2408	7.2	21
171	. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 3513-3514	7	20
170	Realization of State-Estimation-Based DFIG Wind Turbine Control Design in Hybrid Power Systems Using Stochastic Filtering Approaches. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1084-1092	11.9	20
169	Application of Event-Triggered Cubature Kalman Filter for Remote Nonlinear State Estimation in Wireless Sensor Network. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5133-5145	8.9	20
168	Detecting Bifurcation Types and Characterizing Stability in DCDC Switching Converters by Duplicate Symbolic Sequence and Weight Complexity. <i>IEEE Transactions on Industrial Electronics</i> , 2013 , 60, 3145-3156	8.9	19
167	S-Type Locally Active Memristor-Based Periodic and Chaotic Oscillators. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 5139-5152	3.9	19
166	A Coupled Memcapacitor Emulator-Based Relaxation Oscillator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 1101-1105	3.5	19
165	A Novel Universal Interface for Constructing Memory Elements for Circuit Applications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4793-4806	3.9	18

- 164 A Family of Module-Integrated High Step-Up Converters With Dual Coupled Inductors. *IEEE Access*, **2018**, 6, 16256-16266 3.5 17
- 163 Voltage Control Strategies for Solid Oxide Fuel Cell Energy System Connected to Complex Power Grids Using Dynamic State Estimation and STATCOM. *IEEE Transactions on Power Systems*, **2017**, 32, 3136-3145 17
- 162 Universal active and reactive power control of electronically interfaced distributed generation sources in virtual power plants operating in grid-connected and islanding modes. *IET Generation, Transmission and Distribution*, **2013**, 7, 885-897 2.5 16
- 161 A generalised partial-fraction-expansion based frequency weighted balanced truncation technique. *International Journal of Control*, **2013**, 86, 833-843 1.5 16
- 160 Investigation Into Static and Dynamic Performance of the Copper Trace Current Sense Method. *IEEE Sensors Journal*, **2009**, 9, 782-792 4 16
- 159 A Generalized Additional Voltage Pumping Solution for High-Step-Up Converters. *IEEE Transactions on Power Electronics*, **2019**, 34, 6456-6467 7.2 16
- 158 . *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 264-274 3.9 16
- 157 A Carry Lookahead Adder Based on Hybrid CMOS-Memristor Logic Circuit. *IEEE Access*, **2019**, 7, 43691-43696 3.9 15
- 156 An Online Parameters Monitoring Method for Output Capacitor of Buck Converter Based on Large-Signal Load Transient Trajectory Analysis. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2020**, 1-1 5.6 15
- 155 Independent Control of Multicolor-Multistring LED Lighting Systems With Fully Switched-Capacitor-Controlled π -LCC Resonant Network. *IEEE Transactions on Power Electronics*, **2018**, 33, 4293-4305 7.2 15
- 154 Fractional-Order Three-Dimensional π -Circuit Network. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2015**, 62, 2401-2410 3.9 15
- 153 Control of sub-harmonic oscillation in peak current mode buck converter with dynamic resonant perturbation. *International Journal of Circuit Theory and Applications*, **2015**, 43, 1399-1411 2 15
- 152 INSTABILITIES IN DIGITALLY CONTROLLED VOLTAGE-MODE SYNCHRONOUS BUCK CONVERTER. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2012**, 22, 1250012 2 15
- 151 Unique Modular Structure of Multicell High-Boost Converters With Reduced Component Currents. *IEEE Transactions on Power Electronics*, **2018**, 33, 7795-7804 7.2 14
- 150 Suppression and generation of chaos for a three-dimensional autonomous system using parametric perturbations. *Chaos, Solitons and Fractals*, **2007**, 31, 811-819 9.3 14
- 149 A Memristor Neural Network Using Synaptic Plasticity and Its Associative Memory. *Circuits, Systems, and Signal Processing*, **2020**, 39, 3496-3511 2.2 14
- 148 Blockchain-Based Electric Vehicle Incentive System for Renewable Energy Consumption. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 396-400 3.5 14
- 147 Novel chaotic behavior in the Muthuswamy-Chua system using Chebyshev Polynomials. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2015**, 28, 275-286 1 13

146	A New ModulationDemodulation Approach to DC Power-line Data Transmission for SRG-Integrated Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12370-12382	7.2	13
145	Spatial Optimization for the Planning of Sparse Power Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 6686-6695	7	13
144	Short-Circuit Current Estimation of Modular Multilevel Converter Using Discrete-Time Modeling. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 40-45	7.2	13
143	An Enhanced Adaptive Phasor Power Oscillation Damping Approach With Latency Compensation for Modern Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4285-4296	7	13
142	Deadbeat Control for Single-Inductor Multiple-Output DCDC Converter With Effectively Reduced Cross Regulation. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3372-3381	5.6	12
141	Analysis and generation of chaos using compositely connected coupled memristors. <i>Chaos</i> , 2018 , 28, 063115	3.3	12
140	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
139	Analysis of Temperature Distribution in Power Converter for Switched Reluctance Motor Drive. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 991-994	2	12
138	Novel Quasi-Decentralized SMC-Based Frequency and Voltage Stability Enhancement Strategies Using Valve Position Control and FACTS Device. <i>IEEE Access</i> , 2017 , 5, 946-955	3.5	12
137	Modelling and characterization of dynamic behavior of coupled memristor circuits 2016 ,		12
136	A Novel Multi-Shape Chaotic Attractor and Its FPGA Implementation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 2062-2066	3.5	11
135	Modeling Simplification and Dynamic Behavior of N-Shaped Locally-Active Memristor Based Oscillator. <i>IEEE Access</i> , 2020 , 8, 75571-75585	3.5	11
134	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2670-2682	7	11
133	Kernel Correntropy Conjugate Gradient Algorithms Based on Half-Quadratic Optimization. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 5497-5510	10.2	11
132	Dynamic Behavior Study and State Estimator Design for Solid Oxide Fuel Cells in Hybrid Power Systems. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 5190-5199	7	11
131	Maximization of Crossbar Array Memory Using Fundamental Memristor Theory. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 1402-1406	3.5	11
130	Limit-cycle stable control of current-mode dc-dc converter with zero-perturbation dynamical compensation. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 318-328	2	11
129	Novel Floating and Grounded Memory Interface Circuits for Constructing Mem-Elements and Their Applications. <i>IEEE Access</i> , 2020 , 8, 114761-114772	3.5	10

128	Maximum Total Complex Correntropy for Adaptive Filter. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 978-989	4.8	10
127	An Improved Algorithm to Remove DC Offsets From Fault Current Signals. <i>IEEE Transactions on Power Delivery</i> , 2017 , 32, 749-756	4.3	10
126	A Comparison Study for the Estimation of SOFC Internal Dynamic States in Complex Power Systems Using Filtering Algorithms. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1027-1035	11.9	10
125	Coexisting hidden and self-excited attractors in a locally active memristor-based circuit. <i>Chaos</i> , 2020 , 30, 103123	3.3	10
124	An Efficient Algorithm for Optimally Reshaping the TP Model Transformation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 1187-1191	3.5	9
123	Stochastic stability of modified extended Kalman filter over fading channels with transmission failure and signal fluctuation. <i>Signal Processing</i> , 2017 , 138, 220-232	4.4	9
122	Constructing hyperchaotic attractors of conditional symmetry. <i>European Physical Journal B</i> , 2019 , 92, 1	1.2	9
121	Formulation and Implementation of Nonlinear Integral Equations to Model Neural Dynamics Within the Vertebrate Retina. <i>International Journal of Neural Systems</i> , 2018 , 28, 1850004	6.2	9
120	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
119	An online maximum power point capturing technique for high-efficiency power generation of solar photovoltaic systems. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 357-368	4	9
118	An MPC-Based Dual-Solver Optimization Method for DC Microgrids With Simultaneous Consideration of Operation Cost and Power Loss. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 936-947	7	9
117	A DSE-Based SMC Method of Sensorless DFIG Wind Turbines Connected to Power Grids for Energy Extraction and Power Quality Enhancement. <i>IEEE Access</i> , 2018 , 6, 76596-76605	3.5	9
116	MTPA Trajectory Tracking Control with On-line MRAS Parameter Identification for an IPMSM. <i>Journal of Electrical Engineering and Technology</i> , 2019 , 14, 2355-2366	1.4	8
115	Lossless Inductor Current Sensing Method With Improved Frequency Response. <i>IEEE Transactions on Power Electronics</i> , 2009 , 24, 1218-1222	7.2	8
114	A Soft-PWM Approach to Power/Signal Synchronous Transmission for SRG-Based DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8450-8460	8.9	8
113	Continuous Finite-Time Integral Sliding Mode Control for Attitude Stabilization. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 2084-2088	3.5	8
112	The Simple Charge-Controlled Grounded/Floating Mem-Element Emulator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 2177-2181	3.5	8
111	Threshold-Type Binary Memristor Emulator Circuit. <i>IEEE Access</i> , 2019 , 7, 180181-180193	3.5	8

110	Energy-Efficient Anti-Flocking Control for Mobile Sensor Networks on Uneven Terrains. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 2022-2026	3.5	7
109	Fractional-order LTI Infinite rectangle circuit network. <i>IET Circuits, Devices and Systems</i> , 2016 , 10, 383-393	1.1	7
108	An Optimized Memristor-Based Hyperchaotic System With Controlled Hidden Attractors. <i>IEEE Access</i> , 2019 , 7, 124641-124646	3.5	7
107	Neuromorphic Dynamics of Chua Corsage Memristor. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 1-14	3.9	7
106	Multi-Period Frame Transient Switching Control for Low-Voltage High-Current Buck Converter With a Controlled Coupled Inductor. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9743-9757	7.2	7
105	Adaptive fuzzy dynamic surface control for uncertain discrete-time non-linear pure-feedback MIMO systems with network-induced time-delay based on state observer. <i>International Journal of Control</i> , 2019 , 92, 1707-1719	1.5	7
104	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 4014-4026	8.9	7
103	A symmetric pair of hyperchaotic attractors. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 2434-2443	2	7
102	Parameter Identification of Integrated Model of Hydraulic Turbine Regulating System With Uncertainties Using Three Different Approaches. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3482-3491	7.1	6
101	Finite-Time Synchronization of Memristor-Based Fractional Order Cohen-Grossberg Neural Networks. <i>IEEE Access</i> , 2020 , 8, 73698-73713	3.5	6
100	An Auxiliary-Parallel-Inductor-Based Sequence Switching Control to Improve the Load Transient Response of Buck Converters. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2776-2784	8.9	6
99	Modeling and analysis of magnetically coupled resonant wireless power transfer system with rectifier bridge LED load. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 1914-1924	2	6
98	Acceleration Closed-Loop Control on a Switched Reluctance Linear Launcher. <i>IEEE Transactions on Plasma Science</i> , 2013 , 41, 1131-1137	1.3	6
97	. <i>IEEE Access</i> , 2020 , 8, 147907-147918	3.5	6
96	Impedance Modeling of DFIG Wind Farms With Various Rotor Speeds and Frequency Coupling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 406-410	3.5	6
95	Experimental Study of Fractional-Order RC Circuit Model Using the Caputo and Caputo-Fabrizio Derivatives. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 1-11	3.9	6
94	A third-order memristive Wien-bridge circuit and its integrable deformation 2019 , 93, 1		5
93	Two-Period Frame Transient Switching Control for Buck Converter Using Coupled-Inductor Auxiliary Circuit. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8040-8050	8.9	5

92	Fractional-Order 2 Inductor-Resistor-Capacitor (RLC) Circuit Network. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 15501420.9	5
91	Antimonotonicity, Chaos and Multidirectional Scroll Attractor in Autonomous ODEs Chaotic System. <i>IEEE Access</i> , 2020 , 8, 77171-77178	3.5 5
90	Combined Sliding-Mode Control for the IFDBC Interfaced DC Microgrids With Power Electronic Loads. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3396-3410	5.6 5
89	Broken Symmetry in a Memristive Chaotic Oscillator. <i>IEEE Access</i> , 2020 , 8, 69222-69229	3.5 5
88	A novel 3D non-autonomous system with parametrically excited abundant dynamics and bursting oscillations. <i>Chaos</i> , 2020 , 30, 043125	3.3 5
87	A Combined Analytical-Numerical Methodology for Predicting Subharmonic Oscillation in H-Bridge Inverters Under Double Edge Modulation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 2341-2351	3.9 5
86	Pulse Phase Shift Based Low-Frequency Oscillation Suppression for PT Controlled CCM Buck Converter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1465-1469	3.5 5
85	A Nonvolatile Fractional Order Memristor Model and its Complex Dynamics. <i>Entropy</i> , 2019 , 21, 955	2.8 5
84	Composite behaviors of dual meminductor circuits. <i>Chinese Physics B</i> , 2015 , 24, 110701	1.2 5
83	An Integrated Transmission Expansion and Sectionalizing-Based Black Start Allocation of BESS Planning Strategy for Enhanced Power Grid Resilience. <i>IEEE Access</i> , 2020 , 8, 148968-148979	3.5 5
82	A Novel Non-Autonomous Chaotic System With Infinite 2-D Lattice of Attractors and Bursting Oscillations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1023-1027	3.5 5
81	An Autonomous Impedance Adaptation Strategy for Wireless Power Transfer System Using Phase-Controlled Switched Capacitors. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 2303-2316	5.6 5
80	Constant-Frequency Capacitor Current Hysteresis Control of Buck Converter Using Reconstructed Ideal-Capacitor Voltage. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7916-7926	8.9 5
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