Herbert Ho-Ching Iu

List of Publications by Year
in descending order

262 papers	6,841 citations	53794 45 h-index	91884 69 g-index
262 all docs	262 docs citations	262 times ranked	5443 citing authors

#	Article	IF	Citations
1	Current Sensing Techniques: A Review. IEEE Sensors Journal, 2009, 9, 354-376.	4.7	561
2	Quantum-Inspired Particle Swarm Optimization for Power System Operations Considering Wind Power Uncertainty and Carbon Tax in Australia. IEEE Transactions on Industrial Informatics, 2012, 8, 880-888.	11.3	168
3	A critical review of cascading failure analysis and modeling of power system. Renewable and Sustainable Energy Reviews, 2017, 80, 9-22.	16.4	144
4	Time lagged ordinal partition networks for capturing dynamics of continuous dynamical systems. Chaos, 2015, 25, 053101.	2.5	127
5	A review of coordination strategies and protection schemes for microgrids. Renewable and Sustainable Energy Reviews, 2014, 32, 222-228.	16.4	126
6	A Floating Memristor Emulator Based Relaxation Oscillator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2888-2896.	5.4	124
7	A Single-Stage AC/DC Converter With High Power Factor, Regulated Bus Voltage, and Output Voltage. IEEE Transactions on Power Electronics, 2008, 23, 218-228.	7.9	122
8	Large-Signal Stability of Grid-Forming and Grid-Following Controls in Voltage Source Converter: A Comparative Study. IEEE Transactions on Power Electronics, 2021, 36, 7832-7840.	7.9	117
9	HYPERCHAOS IN A MEMRISTOR-BASED MODIFIED CANONICAL CHUA'S CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250133.	1.7	115
10	An Extremely Simple Chaotic System With Infinitely Many Coexisting Attractors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1129-1133.	3.0	102
11	A Memristive Chaotic Oscillator With Increasing Amplitude and Frequency. IEEE Access, 2018, 6, 12945-12950.	4.2	92
12	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. IEEE Transactions on Power Systems, 2015, 30, 2665-2675.	6.5	91
13	Chaotic behavior in fractional-order memristor-based simplest chaotic circuit using fourth degree polynomial. Nonlinear Dynamics, 2014, 77, 231-241.	5.2	88
14	Single-Stage AC/DC Boost–Forward Converter With High Power Factor and Regulated Bus and Output Voltages. IEEE Transactions on Industrial Electronics, 2009, 56, 2128-2132.	7.9	85
15	Complex Networks Theory For Modern Smart Grid Applications: A Survey. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 177-191.	3.6	81
16	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. IEEE Access, 2018, 6, 29003-29012.	4.2	78
17	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
18	Design of a Practical Memcapacitor Emulator Without Grounded Restriction. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 207-211.	3.0	73

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19	Circuit simulation for synchronization of a fractional-order and integer-order chaotic system. Nonlinear Dynamics, 2013, 73, 1671-1686.	5.2	72
20	A Memristive Synapse Control Method to Generate Diversified Multistructure Chaotic Attractors. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 942-955.	2.7	71
21	An Advanced Approach for Construction of Optimal Wind Power Prediction Intervals. IEEE Transactions on Power Systems, 2015, 30, 2706-2715.	6.5	70
22	A Universal Mutator for Transformations Among Memristor, Memcapacitor, and Meminductor. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 758-762.	3.0	66
23	Optimal Robustness in Power Grids From a Network Science Perspective. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 126-130.	3.0	64
24	A new formation control of multiple underactuated surface vessels. International Journal of Control, 2018, 91, 1011-1022.	1.9	63
25	Demand-Side Regulation Provision From Industrial Loads Integrated With Solar PV Panels and Energy Storage System for Ancillary Services. IEEE Transactions on Industrial Informatics, 2018, 14, 5038-5049.	11.3	63
26	Logarithmic Hyperbolic Cosine Adaptive Filter and Its Performance Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2512-2524.	9.3	63
27	Event-Trigger Particle Filter for Smart Grids With Limited Communication Bandwidth Infrastructure. IEEE Transactions on Smart Grid, 2018, 9, 6918-6928.	9.0	61
28	An Impedance Network Boost Converter With a High-Voltage Gain. IEEE Transactions on Power Electronics, 2017, 32, 6661-6665.	7.9	60
29	A memristor–meminductor-based chaotic system with abundant dynamical behaviors. Nonlinear Dynamics, 2019, 96, 765-788.	5.2	59
30	Simplified Load-Feedforward Control Design for Dual-Active-Bridge Converters With Current-Mode Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2073-2085.	5.4	58
31	A Locally Active Memristor and Its Application in a Chaotic Circuit. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 246-250.	3.0	58
32	State Estimation of Doubly Fed Induction Generator Wind Turbine in Complex Power Systems. IEEE Transactions on Power Systems, 2016, 31, 4935-4944.	6.5	57
33	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
34	Power converters, control, and energy management for distributed generation. IEEE Transactions on Industrial Electronics, 2015, 62, 4466-4470.	7.9	56
35	Event-Trigger Heterogeneous Nonlinear Filter for Wide-Area Measurement Systems in Power Grid. IEEE Transactions on Smart Grid, 2019, 10, 2752-2764.	9.0	55
36	Rapid, Ordered Polymerization of Crystalline Semiconducting Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202113926.	13.8	54

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37	An Approach for Wind Power Integration Using Demand Side Resources. IEEE Transactions on Sustainable Energy, 2013, 4, 917-924.	8.8	53
38	High-Density Memristor-CMOS Ternary Logic Family. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 264-274.	5.4	53
39	A Simple Floating Mutator for Emulating Memristor, Memcapacitor, and Meminductor. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1334-1338.	3.0	52
40	Cooperative Dispatch of BESS and Wind Power Generation Considering Carbon Emission Limitation in Australia. IEEE Transactions on Industrial Informatics, 2015, 11, 1313-1323.	11.3	50
41	Dynamic Behavior of Coupled Memristor Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1607-1616.	5.4	49
42	Synchronization of Chaotic Systems Using Time-Delayed Fuzzy State-Feedback Controller. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 893-903.	5.4	48
43	A Novel Control Strategy of DFIG Wind Turbines in Complex Power Systems for Enhancement of Primary Frequency Response and LFOD. IEEE Transactions on Power Systems, 2018, 33, 1811-1823.	6.5	48
44	Parameter Identification of Chaotic and Hyper-Chaotic Systems Using Synchronization-Based Parameter Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1464-1475.	5.4	47
45	A Nested Tensor Product Model Transformation. IEEE Transactions on Fuzzy Systems, 2019, 27, 1-15.	9.8	47
46	Chaotic oscillator based on memcapacitor and meminductor. Nonlinear Dynamics, 2019, 96, 161-173.	5.2	46
47	A Novel Quasi-Decentralized Functional Observer Approach to LFC of Interconnected Power Systems. IEEE Transactions on Power Systems, 2016, 31, 3139-3151.	6.5	45
48	A Conditional Symmetric Memristive System With Infinitely Many Chaotic Attractors. IEEE Access, 2020, 8, 12394-12401.	4.2	44
49	Stochastic Stability Condition for the Extended Kalman Filter With Intermittent Observations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 334-338.	3.0	43
50	A New Circuit for Emulating Memristors Using Inductive Coupling. IEEE Access, 2017, 5, 1284-1295.	4.2	43
51	Neuromorphic Vision Hybrid RRAM-CMOS Architecture. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 2816-2829.	3.1	41
52	Application of Event-Triggered Cubature Kalman Filter for Remote Nonlinear State Estimation in Wireless Sensor Network. IEEE Transactions on Industrial Electronics, 2021, 68, 5133-5145.	7.9	41
53	COMPLEX INTERMITTENCY IN SWITCHING CONVERTERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 121-140.	1.7	40
54	A Load-Forecasting-Based Adaptive Parameter Optimization Strategy of STATCOM Using ANNs for Enhancement of LFOD in Power Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 2463-2472.	11.3	40

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55	A Fully Decentralized Adaptive Droop Optimization Strategy for Power Loss Minimization in Microgrids With PV-BESS. IEEE Transactions on Energy Conversion, 2019, 34, 385-395.	5.2	39
56	Stochastic Event-Triggered Cubature Kalman Filter for Power System Dynamic State Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1552-1556.	3.0	38
57	Blockchain-Based Electric Vehicle Incentive System for Renewable Energy Consumption. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 396-400.	3.0	38
58	Dynamic State Estimation Based Control Strategy for DFIG Wind Turbine Connected to Complex Power Systems. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	36
59	A complex network theory analytical approach to power system cascading failure—From a cyber-physical perspective. Chaos, 2019, 29, 053111.	2.5	36
60	Application of Unscented Transform in Frequency Control of a Complex Power System Using Noisy PMU Data. IEEE Transactions on Industrial Informatics, 2016, 12, 853-863.	11.3	35
61	A Carry Lookahead Adder Based on Hybrid CMOS-Memristor Logic Circuit. IEEE Access, 2019, 7, 43691-43696.	4.2	35
62	S-Type Locally Active Memristor-Based Periodic and Chaotic Oscillators. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5139-5152.	5.4	35
63	Analog Weights in ReRAM DNN Accelerators. , 2019, , .		34
64	Fixed Time Synchronization Control for Bilateral Teleoperation Mobile Manipulator With Nonholonomic Constraint and Time Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3452-3456.	3.0	34
65	Reliability Assessment of the Switched Reluctance Motor Drive Under Single Switch Chopping Strategy. IEEE Transactions on Power Electronics, 2016, 31, 2395-2408.	7.9	33
66	Memcapacitor model and its application in chaotic oscillator with memristor. Chaos, 2017, 27, 013110.	2.5	33
67	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, 2021, 9, 4004-4015.	5.4	33
68	Neuromorphic Dynamics of Chua Corsage Memristor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4419-4432.	5.4	31
69	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
70	Improvement of Stability and Power Factor in PCM Controlled Boost PFC Converter With Hybrid Dynamic Compensation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 320-328.	5.4	30
71	A simple robust control for global asymptotic position stabilization of underactuated surface vessels. International Journal of Robust and Nonlinear Control, 2017, 27, 5028-5043.	3.7	30
72	A Memristor Neural Network Using Synaptic Plasticity and Its Associative Memory. Circuits, Systems, and Signal Processing, 2020, 39, 3496-3511.	2.0	30

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73	Realization of State-Estimation-Based DFIG Wind Turbine Control Design in Hybrid Power Systems Using Stochastic Filtering Approaches. IEEE Transactions on Industrial Informatics, 2016, 12, 1084-1092.	11.3	29
74	A General Strategy for Kilogram‐Scale Preparation of Highly Crystal‐line Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202203327.	13.8	29
75	Polytopic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0020.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>â˜</mml:mo></mml:mrow></mml:mrow> filter design and relaxation for nonlinear systems via tensor product technique. Signal Processing, 2016, 127, 191-205.	3.7	28
76	A Family of Module-Integrated High Step-Up Converters With Dual Coupled Inductors. IEEE Access, 2018, 6, 16256-16266.	4.2	28
77	Independent Control of Multicolor-Multistring LED Lighting Systems With Fully Switched-Capacitor-Controlled LCC Resonant Network. IEEE Transactions on Power Electronics, 2018, 33, 4293-4305.	7.9	28
78	Quasi-Decentralized Functional Observers for the LFC of Interconnected Power Systems. IEEE Transactions on Power Systems, 2013, 28, 3513-3514.	6.5	27
79	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.	6.5	27
80	A Novel Universal Interface for Constructing Memory Elements for Circuit Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4793-4806.	5.4	27
81	Kernel Correntropy Conjugate Gradient Algorithms Based on Half-Quadratic Optimization. IEEE Transactions on Cybernetics, 2021, 51, 5497-5510.	9.5	27
82	A Novel Multi-Shape Chaotic Attractor and Its FPGA Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2062-2066.	3.0	26
83	A Generalized Additional Voltage Pumping Solution for High-Step-Up Converters. IEEE Transactions on Power Electronics, 2019, 34, 6456-6467.	7.9	25
84	An Unscented Particle Filtering Approach to Decentralized Dynamic State Estimation for DFIG Wind Turbines in Multi-Area Power Systems. IEEE Transactions on Power Systems, 2020, 35, 2670-2682.	6.5	25
85	Unique Modular Structure of Multicell High-Boost Converters With Reduced Component Currents. IEEE Transactions on Power Electronics, 2018, 33, 7795-7804.	7.9	24
86	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.	11.3	24
87	An MPC-Based Dual-Solver Optimization Method for DC Microgrids With Simultaneous Consideration of Operation Cost and Power Loss. IEEE Transactions on Power Systems, 2021, 36, 936-947.	6.5	24
88	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
89	An ACO-Based Tool-Path Optimizer for 3-D Printing Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 2277-2287.	11.3	23
90	Experimental Study of Fractional-Order RC Circuit Model Using the Caputo and Caputo-Fabrizio Derivatives. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1034-1044.	5.4	23

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91	Tri-valued memristor-based hyper-chaotic system with hidden and coexistent attractors. Chaos, Solitons and Fractals, 2022, 159, 112177.	5.1	23
92	INSTABILITIES IN DIGITALLY CONTROLLED VOLTAGE-MODE SYNCHRONOUS BUCK CONVERTER. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250012.	1.7	22
93	Analysis of Temperature Distribution in Power Converter for Switched Reluctance Motor Drive. IEEE Transactions on Magnetics, 2012, 48, 991-994.	2.1	22
94	A Coupled Memcapacitor Emulator-Based Relaxation Oscillator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 1101-1105.	3.0	22
95	Deadbeat Control for Single-Inductor Multiple-Output DC–DC Converter With Effectively Reduced Cross Regulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3372-3381.	5.4	22
96	Detecting Bifurcation Types and Characterizing Stability in DC–DC Switching Converters by Duplicate Symbolic Sequence and Weight Complexity. IEEE Transactions on Industrial Electronics, 2013, 60, 3145-3156.	7.9	21
97	Spatial Optimization for the Planning of Sparse Power Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 6686-6695.	6.5	21
98	An online maximum power point capturing technique for high-efficiency power generation of solar photovoltaic systems. Journal of Modern Power Systems and Clean Energy, 2019, 7, 357-368.	5.4	21
99	Investigation Into Static and Dynamic Performance of the Copper Trace Current Sense Method. IEEE Sensors Journal, 2009, 9, 782-792.	4.7	20
100	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	20
101	A generalised partial-fraction-expansion based frequency weighted balanced truncation technique. International Journal of Control, 2013, 86, 833-843.	1.9	20
102	An Improved Algorithm to Remove DC Offsets From Fault Current Signals. IEEE Transactions on Power Delivery, 2017, 32, 749-756.	4.3	20
103	A DSE-Based SMC Method of Sensorless DFIG Wind Turbines Connected to Power Grids for Energy Extraction and Power Quality Enhancement. IEEE Access, 2018, 6, 76596-76605.	4.2	20
104	Coexisting hidden and self-excited attractors in a locally active memristor-based circuit. Chaos, 2020, 30, 103123.	2.5	20
105	Maximum Total Complex Correntropy for Adaptive Filter. IEEE Transactions on Signal Processing, 2020, 68, 978-989.	5.3	20
106	A New Modulation–Demodulation Approach to DC Power-line Data Transmission for SRG-Integrated Microgrid. IEEE Transactions on Power Electronics, 2020, 35, 12370-12382.	7.9	20
107	Suppression and generation of chaos for a three-dimensional autonomous system using parametric perturbations. Chaos, Solitons and Fractals, 2007, 31, 811-819.	5.1	19
108	An Enhanced Adaptive Phasor Power Oscillation Damping Approach With Latency Compensation for Modern Power Systems. IEEE Transactions on Power Systems, 2018, 33, 4285-4296.	6.5	19

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109	Acceleration Closed-Loop Control on a Switched Reluctance Linear Launcher. IEEE Transactions on Plasma Science, 2013, 41, 1131-1137.	1.3	18
110	Fractional-Order Three-Dimensional <formula formulatype="inline"><tex Notation="TeX">$\ablaimes n$</tex> </formula> Circuit Network. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2401-2410.	5.4	18
111	Novel Quasi-Decentralized SMC-Based Frequency and Voltage Stability Enhancement Strategies Using Valve Position Control and FACTS Device. IEEE Access, 2017, 5, 946-955.	4.2	18
112	Novel Floating and Grounded Memory Interface Circuits for Constructing Mem-Elements and Their Applications. IEEE Access, 2020, 8, 114761-114772.	4.2	18
113	Formulation and Implementation of Nonlinear Integral Equations to Model Neural Dynamics Within the Vertebrate Retina. International Journal of Neural Systems, 2018, 28, 1850004.	5.2	17
114	Short-Circuit Current Estimation of Modular Multilevel Converter Using Discrete-Time Modeling. IEEE Transactions on Power Electronics, 2019, 34, 40-45.	7.9	17
115	Modeling Simplification and Dynamic Behavior of N-Shaped Locally-Active Memristor Based Oscillator. IEEE Access, 2020, 8, 75571-75585.	4.2	17
116	Roller Bearing Fault Diagnosis Based on Integrated Fault Feature and SVM. Journal of Vibration Engineering and Technologies, 2022, 10, 853-862.	2.2	17
117	A New Fault Diagnosis of Rolling Bearing Based on Markov Transition Field and CNN. Entropy, 2022, 24, 751.	2.2	17
118	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.	2.0	16
119	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.	1.9	16
120	Analysis and generation of chaos using compositely connected coupled memristors. Chaos, 2018, 28, 063115.	2.5	16
121	An Integrated Transmission Expansion and Sectionalizing-Based Black Start Allocation of BESS Planning Strategy for Enhanced Power Grid Resilience. IEEE Access, 2020, 8, 148968-148979.	4.2	16
122	Limit€cycle stable control of current€mode dc€dc converter with zero€perturbation dynamical compensation. International Journal of Circuit Theory and Applications, 2015, 43, 318-328.	2.0	15
123	Constructing hyperchaotic attractors of conditional symmetry. European Physical Journal B, 2019, 92, 1.	1.5	15
124	A Soft-PWM Approach to Power/Signal Synchronous Transmission for SRG-Based DC Microgrids. IEEE Transactions on Industrial Electronics, 2020, 67, 8450-8460.	7.9	15
125	A Behavioral SPICE Model of a Binarized Memristor for Digital Logic Implementation. Circuits, Systems, and Signal Processing, 2021, 40, 2682-2693.	2.0	15
126	Multi-bifurcation cascaded bursting oscillations and mechanism in a novel 3D non-autonomous circuit system with parametric and external excitation. Nonlinear Dynamics, 2021, 105, 3699-3714.	5.2	15

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127	Universal Dynamics Analysis of Locally-Active Memristors and its Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 1278-1290.	5.4	15
128	Stochastic stability of modified extended Kalman filter over fading channels with transmission failure and signal fluctuation. Signal Processing, 2017, 138, 220-232.	3.7	14
129	Finite-Time Projective Synchronization of Fractional-Order Memristive Neural Networks with Mixed Time-Varying Delays. Complexity, 2020, 2020, 1-27.	1.6	14
130	Finite-Time Large Signal Stabilization for High Power DC Microgrids With Exact Offsetting of Destabilizing Effects. IEEE Transactions on Industrial Electronics, 2021, 68, 4014-4026.	7.9	14
131	The Simple Charge-Controlled Grounded/Floating Mem-Element Emulator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2177-2181.	3.0	14
132	Modelling and characterization of dynamic behavior of coupled memristor circuits. , 2016, , .		13
133	An Efficient Algorithm for Optimally Reshaping the TP Model Transformation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1187-1191.	3.0	13
134	An Optimized Memristor-Based Hyperchaotic System With Controlled Hidden Attractors. IEEE Access, 2019, 7, 124641-124646.	4.2	13
135	Threshold-Type Binary Memristor Emulator Circuit. IEEE Access, 2019, 7, 180181-180193.	4.2	13
136	Locally active memristor based oscillators: The dynamic route from period to chaos and hyperchaos. Chaos, 2021, 31, 063114.	2.5	13
137	Low-Variance Memristor-Based Multi-Level Ternary Combinational Logic. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2423-2434.	5.4	13
138	Dynamic Behavior Study and State Estimator Design for Solid Oxide Fuel Cells in Hybrid Power Systems. IEEE Transactions on Power Systems, 2016, 31, 5190-5199.	6.5	12
139	Maximization of Crossbar Array Memory Using Fundamental Memristor Theory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1402-1406.	3.0	12
140	An Auxiliary-Parallel-Inductor-Based Sequence Switching Control to Improve the Load Transient Response of Buck Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 2776-2784.	7.9	12
141	A Nonvolatile Fractional Order Memristor Model and its Complex Dynamics. Entropy, 2019, 21, 955.	2.2	12
142	Multi-Period Frame Transient Switching Control for Low-Voltage High-Current Buck Converter With a Controlled Coupled Inductor. IEEE Transactions on Power Electronics, 2019, 34, 9743-9757.	7.9	12
143	Impedance Modeling of DFIG Wind Farms With Various Rotor Speeds and Frequency Coupling. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 406-410.	3.0	12
144	An Autonomous Impedance Adaptation Strategy for Wireless Power Transfer System Using Phase-Controlled Switched Capacitors. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2303-2316.	5.4	12

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145	General Modeling Method of Threshold-Type Multivalued Memristor and Its Application in Digital Logic Circuits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, .	1.7	12
146	Neuromorphic dynamics near the edge of chaos in memristive neurons. Chaos, Solitons and Fractals, 2022, 160, 112241.	5.1	12
147	Lossless Inductor Current Sensing Method With Improved Frequency Response. IEEE Transactions on Power Electronics, 2009, 24, 1218-1222.	7.9	11
148	A Comparison Study for the Estimation of SOFC Internal Dynamic States in Complex Power Systems Using Filtering Algorithms. IEEE Transactions on Industrial Informatics, 2017, 13, 1027-1035.	11.3	11
149	Adaptive fuzzy dynamic surface control for uncertain discrete-time non-linear pure-feedback MIMO systems with network-induced time-delay based on state observer. International Journal of Control, 2019, 92, 1707-1719.	1.9	11
150	A Behavioral Model of Digital Resistive Switching for Systems Level DNN Acceleration. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 956-960.	3.0	11
151	Finite-Time Synchronization of Memristor-Based Fractional Order Cohen-Grossberg Neural Networks. IEEE Access, 2020, 8, 73698-73713.	4.2	11
152	A novel 3D non-autonomous system with parametrically excited abundant dynamics and bursting oscillations. Chaos, 2020, 30, 043125.	2.5	11
153	Fractional–order $L\hat{I}^2C\hat{I}\pm$ infinite rectangle circuit network. IET Circuits, Devices and Systems, 2016, 10, 383-393.	1.4	10
154	A third-order memristive Wien-bridge circuit and its integrable deformation. Pramana - Journal of Physics, 2019, 93, 1.	1.8	10
155	An Adaptive Large Neighborhood Search for Solving Generalized Lock Scheduling Problem: Comparative Study With Exact Methods. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3344-3356.	8.0	10
156	Continuous Finite-Time Integral Sliding Mode Control for Attitude Stabilization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2084-2088.	3.0	10
157	Combined Sliding-Mode Control for the IFDBC Interfaced DC Microgrids With Power Electronic Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3396-3410.	5.4	10
158	Simplified Four-Level Inverter-Based Single-Phase DSTATCOM Using Model Predictive Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3382-3395.	5.4	10
159	Pinning Synchronization via Intermittent Control for Memristive Cohen-Grossberg Neural Networks With Mixed Delays. IEEE Access, 2020, 8, 55676-55687.	4.2	10
160	Energy-Efficient Anti-Flocking Control for Mobile Sensor Networks on Uneven Terrains. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 2022-2026.	3.0	9
161	MTPA Trajectory Tracking Control with On-line MRAS Parameter Identification for an IPMSM. Journal of Electrical Engineering and Technology, 2019, 14, 2355-2366.	2.0	9
162	Compensation Network Optimal Design Based on Evolutionary Algorithm for Inductive Power Transfer System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5664-5674.	5.4	9

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