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	A New Robust Integral Reinforcement Learning Based Control Algorithm for Interleaved DC/DC Boost Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 3729-3739.	7.9	3
2	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
3	Complex dynamics of a bi-directional N-type locally-active memristor. Communications in Nonlinear Science and Numerical Simulation, 2022, 105, 106086.	3.3	4
4	Rapid, Ordered Polymerization of Crystalline Semiconducting Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202113926.	13.8	54
5	Roller Bearing Fault Diagnosis Based on Integrated Fault Feature and SVM. Journal of Vibration Engineering and Technologies, 2022, 10, 853-862.	2.2	17
6	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
7	FPGA Synthesis of Ternary Memristor-CMOS Decoders for Active Matrix Microdisplays. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3501-3511.	5.4	9
8	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
9	Complex Oscillations of Chua Corsage Memristor with Two Symmetrical Locally Active Domains. Electronics (Switzerland), 2022, 11, 665.	3.1	5
10	A General Strategy for Kilogram-Scale Preparation of Highly Crystal-line Covalent Triazine Frameworks. Angewandte Chemie - International Edition, 2022, 61, e202203327.	13.8	29
11	Neuromorphic Behaviors of the 4-Lobe Chua Corsage Memristor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	5
12	Adaptive Synchronization of Fractional-Order Complex-Valued Neural Networks With Time-Varying Delays. IEEE Access, 2022, 10, 45677-45688.	4.2	6
13	Tri-valued memristor-based hyper-chaotic system with hidden and coexistent attractors. Chaos, Solitons and Fractals, 2022, 159, 112177.	5.1	23
14	A New Fault Diagnosis of Rolling Bearing Based on Markov Transition Field and CNN. Entropy, 2022, 24, 751.	2.2	17
15	Neuromorphic dynamics near the edge of chaos in memristive neurons. Chaos, Solitons and Fractals, 2022, 160, 112241.	5.1	12
16	An Improved Predictive Current Control of Eight Switch Three-Level Post-Fault Inverter With Common Mode Voltage Reduction. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3861-3872.	5.4	2
17	Spiking and chaotic behaviours of locally active memristor-based neuron circuit. Electronics Letters, 2022, 58, 681-683.	1.0	5
18	Dynamic surface control for discrete-time strict-feedback systems with network-induced time-varying delays and packets loss. International Journal of Control, 2021, 94, 2094-2103.	1.9	2

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19	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
20	Kernel Correntropy Conjugate Gradient Algorithms Based on Half-Quadratic Optimization. IEEE Transactions on Cybernetics, 2021, 51, 5497-5510.	9.5	27
21	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
22	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
23	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
24	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
25	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
26	High-Density Memristor-CMOS Ternary Logic Family. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 264-274.	5.4	53
27	Logarithmic Hyperbolic Cosine Adaptive Filter and Its Performance Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2512-2524.	9.3	63
28	A Behavioral SPICE Model of a Binarized Memristor for Digital Logic Implementation. Circuits, Systems, and Signal Processing, 2021, 40, 2682-2693.	2.0	15
29	Fixed-Point Maximum Total Complex Correntropy Algorithm for Adaptive Filter. IEEE Transactions on Signal Processing, 2021, 69, 2188-2202.	5.3	7
30	Complex Shannon Entropy Based Learning Algorithm and Its Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 9673-9684.	6.3	4
31	Thresholdâ€type memristorâ€based memory circuit. International Journal of Circuit Theory and Applications, 2021, 49, 1515-1531.	2.0	5
32	A novel linear matrix inequalityâ€based robust eventâ€triggered model predictive control for a class of discreteâ€time linear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 4416-4435.	3.7	3
33	A Novel Non-Autonomous Chaotic System With Infinite 2-D Lattice of Attractors and Bursting Oscillations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1023-1027.	3.0	8
34	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
35	Naturalizing Neuromorphic Vision Event Streams Using Generative Adversarial Networks. , 2021, , .		2
36	Optimal Coupling Pattern of Cyber-Physical Systems. , 2021, , .		0

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37	Prosthesis Control Using Spike Rate Coding in the Retina Photoreceptor Cells. , 2021, , .		2
38	Simple modelling of S–type NbO $_x$ locally active memristor. Electronics Letters, 2021, 57, 630-632.	1.0	4
39	Locally active memristor based oscillators: The dynamic route from period to chaos and hyperchaos. Chaos, 2021, 31, 063114.	2.5	13
40	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
41	Synchronous Generator Rectification System Based on Double Closed-Loop Control of Backstepping and Sliding Mode Variable Structure. Electronics (Switzerland), 2021, 10, 1832.	3.1	1
42	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
43	Implementation of Hodgkin-Huxley Neuron Model With the Novel Memristive Oscillator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2982-2986.	3.0	9
44	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
45	Realization of Low-Voltage and High-Current Rectifier Module Control System Based on Nonlinear Feed-Forward PID Control. Electronics (Switzerland), 2021, 10, 2138.	3.1	3
46	Duty VV-MPTC for Post-Fault Eight Switch Three-Phase Inverter Fed Induction Motor Drives With Reduced Neutral Point Voltage Fluctuation. IEEE Transactions on Power Electronics, 2021, 36, 11691-11700.	7.9	7
47	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
48	A Novel Modeling Method of Floating Memory Elements and its Practical Implementation. Wuli Xuebao/Acta Physica Sinica, 2021, .	0.5	0
49	Finite-Time Projective Synchronization of Stochastic Complex-Valued Neural Networks With Probabilistic Time-Varying Delays. IEEE Access, 2021, 9, 44784-44796.	4.2	3
50	Nonlinear circuits with parallel–series–connected HP–type memory elements and their characteristic analysis. International Journal of Circuit Theory and Applications, 2021, 49, 513-532.	2.0	8
51	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
52	An adaptive model predictive control strategy for a class of discrete–time linear systems with parametric uncertainty. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2389-2405.	4.1	2
53	Neuromorphic Dynamics of Chua Corsage Memristor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4419-4432.	5.4	31
54	Adaptive Filters With Robust Augmented Space Linear Model: A Weighted k-NN Method. IEEE Transactions on Signal Processing, 2021, 69, 6448-6461.	5.3	8

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55	A Review on Cascaded Multilevel Inverter Control Strategies. , 2021, , .		0
56	Optimization of Reconfigurable Islanded Microgrids using Random Forest Classifier. , 2021, , .		0
57	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
58	A memcapacitor-based hyperchaotic conservative system. Chaos, 2021, 31, 123116.	2.5	3
59	A Waveform-Subtraction Based Single-Stage Ripple-Suppression Converter Family for Multiple Waveform Generation. IEEE Transactions on Industrial Electronics, 2020, 67, 1890-1898.	7.9	0
60	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
61	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
62	Nonlinear Hâˆž Filtering Based on Tensor Product Model Transformation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1074-1078.	3.0	4
63	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
64	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
65	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
66	A Memristor Neural Network Using Synaptic Plasticity and Its Associative Memory. Circuits, Systems, and Signal Processing, 2020, 39, 3496-3511.	2.0	30
67	A Nozzle Path Planner for 3-D Printing Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 6313-6323.	11.3	6
68	Coexisting hidden and self-excited attractors in a locally active memristor-based circuit. Chaos, 2020, 30, 103123.	2.5	20
69	A Phasor Analysis Method for Charge-Controlled Memory Elements. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2030041.	1.7	8
70	Fast Voltage-Based MPPT Control for High Gain Switched Inductor DC-DC Boost Converters. , 2020, , .		3
71	FSK-Based Energy and Signal Composite Modulation Strategy for Switched Reluctance Drive System. Energies, 2020, 13, 3402.	3.1	0
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74	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
75	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
76	Bounded Orbits and Multiple Scroll Coexisting Attractors in a Dual System of Chua System. IEEE Access, 2020, 8, 147907-147918.	4.2	6
77	Modeling Simplification and Dynamic Behavior of N-Shaped Locally-Active Memristor Based Oscillator. IEEE Access, 2020, 8, 75571-75585.	4.2	17
78	A Real-Time Retinomorphic Simulator Using a Conductance-Based Discrete Neuronal Network. , 2020, , .		8
79	Antimonotonicity, Chaos and Multidirectional Scroll Attractor in Autonomous ODEs Chaotic System. IEEE Access, 2020, 8, 77171-77178.	4.2	9
80	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
81	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
82	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
83	Finite-Time Projective Synchronization of Fractional-Order Memristive Neural Networks with Mixed Time-Varying Delays. Complexity, 2020, 2020, 1-27.	1.6	14
84	Novel Floating and Grounded Memory Interface Circuits for Constructing Mem-Elements and Their Applications. IEEE Access, 2020, 8, 114761-114772.	4.2	18
85	A Conditional Symmetric Memristive System With Infinitely Many Chaotic Attractors. IEEE Access, 2020, 8, 12394-12401.	4.2	44
86	Maximum Total Complex Correntropy for Adaptive Filter. IEEE Transactions on Signal Processing, 2020, 68, 978-989.	5.3	20
87	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
88	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
89	Finite-Time Synchronization of Memristor-Based Fractional Order Cohen-Grossberg Neural Networks. IEEE Access, 2020, 8, 73698-73713.	4.2	11
90	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

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91	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
92	Pinning Synchronization via Intermittent Control for Memristive Cohen-Grossberg Neural Networks With Mixed Delays. IEEE Access, 2020, 8, 55676-55687.	4.2	10
93	Broken Symmetry in a Memristive Chaotic Oscillator. IEEE Access, 2020, 8, 69222-69229.	4.2	9
94	A Family of Binary Memristor-Based Low-Pass Filters With Controllable Cut-Off Frequency. IEEE Access, 2020, 8, 60199-60209.	4.2	9
95	A novel 3D non-autonomous system with parametrically excited abundant dynamics and bursting oscillations. Chaos, 2020, 30, 043125.	2.5	11
96	Short-Circuit Current Estimation of Modular Multilevel Converter Using Discrete-Time Modeling. IEEE Transactions on Power Electronics, 2019, 34, 40-45.	7.9	17
97	A Nested Tensor Product Model Transformation. IEEE Transactions on Fuzzy Systems, 2019, 27, 1-15.	9.8	47
98	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
99	Mitigating Line Frequency Instability of Boost PFC Converter Under Proportional Outer-Voltage Loop With Additional Third Current-Harmonic Feedforward Compensation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4528-4541.	5.4	6
100	Application of the Lyapunov Algorithm to Optimize the Control Strategy of Low-Voltage and High-Current Synchronous DC Generator Systems. Electronics (Switzerland), 2019, 8, 871.	3.1	1
101	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
102	A Nonvolatile Fractional Order Memristor Model and its Complex Dynamics. Entropy, 2019, 21, 955.	2.2	12
103	An Optimized Memristor-Based Hyperchaotic System With Controlled Hidden Attractors. IEEE Access, 2019, 7, 124641-124646.	4.2	13
104	Analog Weights in ReRAM DNN Accelerators. , 2019, , .		34
105	An Investigation of the Impact of PV Penetration and BESS Capacity on Islanded Microgrids–A Small-Signal Based Analytical Approach. , 2019, , .		5
106	Tool-Path Optimization using Neural Networks. , 2019, , .		1
107	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
108	Constructing hyperchaotic attractors of conditional symmetry. European Physical Journal B, 2019, 92, 1.	1.5	15

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109	Chaotic oscillator based on memcapacitor and meminductor. Nonlinear Dynamics, 2019, 96, 161-173.	5.2	46
110	A third-order memristive Wien-bridge circuit and its integrable deformation. Pramana - Journal of Physics, 2019, 93, 1.	1.8	10
111	Two-Period Frame Transient Switching Control for Buck Converter Using Coupled-Inductor Auxiliary Circuit. IEEE Transactions on Industrial Electronics, 2019, 66, 8040-8050.	7.9	6
112	A complex network theory analytical approach to power system cascading failure—From a cyber-physical perspective. Chaos, 2019, 29, 053111.	2.5	36
113	On the Fractional-Order 3D â—³Ã—_{<i>n</i>} Memristor<i>-LC </i>Circuit Network Model. Electric Power Components and Systems, 2019, 47, 537-550.	1.8	2
114	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
115	A Carry Lookahead Adder Based on Hybrid CMOS-Memristor Logic Circuit. IEEE Access, 2019, 7, 43691-43696.	4.2	35
116	An Adaptive-Phasor Approach to PMU Measurement Rectification for LFOD Enhancement. IEEE Transactions on Power Systems, 2019, 34, 3941-3950.	6.5	5
117	A memristor—meminductor-based chaotic system with abundant dynamical behaviors. Nonlinear Dynamics, 2019, 96, 765-788.	5.2	59
118	Robust Field-weakening Operation of Sensorless Direct Torque and Flux Controlled Flywheel Energy Storage in Wide Speed Range. , 2019, , .		0
119	Central Difference Kalman Filter Approach Based Decentralized Dynamic States Estimator for DFIG Wind Turbines in Power Systems. , 2019, , .		1
120	Chaotic Oscillator Using Coupled Memristive Pairs. , 2019, , .		1
121	Advanced small—signal—based analytical approach to modelling high—order power converters. IET Power Electronics, 2019, 12, 228-236.	2.1	3
122	Threshold-Type Binary Memristor Emulator Circuit. IEEE Access, 2019, 7, 180181-180193.	4.2	13
123	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
124	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
125	A Generalized Additional Voltage Pumping Solution for High-Step-Up Converters. IEEE Transactions on Power Electronics, 2019, 34, 6456-6467.	7.9	25
126	Constant-Frequency Capacitor Current Hysteresis Control of Buck Converter Using Reconstructed Ideal-Capacitor Voltage. IEEE Transactions on Industrial Electronics, 2019, 66, 7916-7926.	7.9	7

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127	An ACO-Based Tool-Path Optimizer for 3-D Printing Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 2277-2287.	11.3	23
128	Dynamic surface control for discrete-time strict-feedback systems with network-induced delays using predictive event-triggered strategy. International Journal of Systems Science, 2019, 50, 337-350.	5.5	4
129	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
130	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
131	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
132	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
133	Auxiliary Parallel Inductor Switching Control for Improving the Load Transient Response Performance of Buck Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 96-100.	3.0	5
134	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
135	A Combined Analytical-Numerical Methodology for Predicting Subharmonic Oscillation in H-Bridge Inverters Under Double Edge Modulation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2341-2351.	5.4	7
136	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
137	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
138	Unique Modular Structure of Multicell High-Boost Converters With Reduced Component Currents. IEEE Transactions on Power Electronics, 2018, 33, 7795-7804.	7.9	24
139	An Adaptive Optimization Method for LFOD Enhancement in DFIG Integrated Smart Grids. , 2018, , .		2
140	Constructing Infinitely Many Attractors in a Programmable Chaotic Circuit. IEEE Access, 2018, 6, 29003-29012.	4.2	78
141	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
142	A Memristive Chaotic Oscillator With Increasing Amplitude and Frequency. IEEE Access, 2018, 6, 12945-12950.	4.2	92
143	A Family of Module-Integrated High Step-Up Converters With Dual Coupled Inductors. IEEE Access, 2018, 6, 16256-16266.	4.2	28
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145	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
146	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
147	Event-Trigger Particle Filter for Smart Grids With Limited Communication Bandwidth Infrastructure. IEEE Transactions on Smart Grid, 2018, 9, 6918-6928.	9.0	61
148	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
149	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
150	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
151	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
152	A New Bridgeless High Step-up Voltage Gain PFC Converter with Reduced Conduction Losses and Low Voltage Stress. Energies, 2018, 11, 2640.	3.1	6
153	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
154	A symmetric pair of hyperchaotic attractors. International Journal of Circuit Theory and Applications, 2018, 46, 2434-2443.	2.0	7
155	Neuromorphic Vision Hybrid RRAM-CMOS Architecture. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 2816-2829.	3.1	41
156	Cascading Failure Model Considering Multi-Step Attack Strategy. , 2018, , .		0
157	An Investigation into Cascading Failure in Large-Scale Electric Grids: A Load-Redistribution Approach. Applied Sciences (Switzerland), 2018, 8, 1033.	2.5	5
158	Pulse Phase Shift Based Low-Frequency Oscillation Suppression for PT Controlled CCM Buck Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1465-1469.	3.0	7
159	Analysis and generation of chaos using compositely connected coupled memristors. Chaos, 2018, 28, 063115.	2.5	16
160	Spatial Optimization for the Planning of Sparse Power Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 6686-6695.	6.5	21
161	Shortest Path Planning for Energy-Constrained Mobile Platforms Navigating on Uneven Terrains. IEEE Transactions on Industrial Informatics, 2018, 14, 4264-4272.	11.3	24
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164	An Impedance Network Boost Converter With a High-Voltage Gain. IEEE Transactions on Power Electronics, 2017, 32, 6661-6665.	7.9	60
165	A New Circuit for Emulating Memristors Using Inductive Coupling. IEEE Access, 2017, 5, 1284-1295.	4.2	43
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