Huagan Wu

List of Publications by Citations

48 papers	**1,354** citations	**20** h-index	**36** g-index
48 ext. papers	**1,737** ext. citations	**3.3** avg, IF	**5.27** L-index

#	Paper	IF	Citations
48	Coexisting infinitely many attractors in active band-pass filter-based memristive circuit. *Nonlinear Dynamics*, **2016**, 86, 1711-1723	5	168
47	Chaotic and periodic bursting phenomena in a memristive Wien-bridge oscillator. *Nonlinear Dynamics*, **2016**, 83, 893-903	5	114
46	Complex transient dynamics in periodically forced memristive Chua's circuit. *Nonlinear Dynamics*, **2015**, 79, 2333-2343	5	97
45	Controlling extreme multistability of memristor emulator-based dynamical circuit in flux-charge domain. *Nonlinear Dynamics*, **2018**, 91, 1395-1412	5	89
44	Numerical analyses and experimental validations of coexisting multiple attractors in Hopfield neural network. *Nonlinear Dynamics*, **2017**, 90, 2359-2369	5	69
43	Three-Dimensional Memristive Hindmarsh-Rose Neuron Model with Hidden Coexisting Asymmetric Behaviors. *Complexity*, **2018**, 2018, 1-11	1.6	61
42	A Simple Third-Order Memristive Band Pass Filter Chaotic Circuit. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2017**, 64, 977-981	3.5	60
41	Memristor initial boosting behaviors in a two-memristor-based hyperchaotic system. *Chaos, Solitons and Fractals*, **2019**, 121, 178-185	9.3	60
40	Memristor initial-boosted coexisting plane bifurcations and its extreme multi-stability reconstitution in two-memristor-based dynamical system. *Science China Technological Sciences*, **2020**, 63, 603-613	3.5	52
39	AC-induced coexisting asymmetric bursters in the improved Hindmarsh-Rose model. *Nonlinear Dynamics*, **2018**, 92, 1695-1706	5	45
38	Symmetric periodic bursting behavior and bifurcation mechanism in a third-order memristive diode bridge-based oscillator. *Chaos, Solitons and Fractals*, **2018**, 109, 146-153	9.3	44
37	Coexistence of Multiple Attractors in an Active Diode Pair Based Chua's Circuit. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850019	2	37
36	Two-memristor-based chaotic system and its extreme multistability reconstitution via dimensionality reduction analysis. *Chaos, Solitons and Fractals*, **2019**, 127, 354-363	9.3	32
35	Bi-Stability in an Improved Memristor-Based Third-Order Wien-Bridge Oscillator. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2019**, 36, 109-116	1.5	32
34	State variable mapping method for studying initial-dependent dynamics in memristive hyper-jerk system with line equilibrium. *Chaos, Solitons and Fractals*, **2018**, 115, 313-324	9.3	32
33	Hyperchaos in a second-order discrete memristor-based map model. *Electronics Letters*, **2020**, 56, 769-770	1.1	31
32	Coexistence of multiple bifurcation modes in memristive diode-bridge-based canonical Chua's circuit. *International Journal of Electronics*, **2018**, 105, 1159-1169	1.2	30

31	Crisis-induced coexisting multiple attractors in a second-order nonautonomous memristive diode bridge-based circuit. *International Journal of Circuit Theory and Applications*, **2018**, 46, 1917-1927	2	27
30	Flux-Charge Analysis of Initial State-Dependent Dynamical Behaviors of a Memristor Emulator-Based Chua's Circuit. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850120	2	25
29	Memristor Initial-Offset Boosting in Memristive HR Neuron Model with Hidden Firing Patterns. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2020**, 30, 2030029	2	20
28	Memristive neuron model with an adapting synapse and its hardware experiments. *Science China Technological Sciences*, **2021**, 64, 1107-1117	3.5	20
27	Extremely slow passages in low-pass filter-based memristive oscillator. *Nonlinear Dynamics*, **2019**, 97, 2339-2353	5	19
26	Hybrid State Variable Incremental Integral for Reconstructing Extreme Multistability in Memristive Jerk System with Cubic Nonlinearity. *Complexity*, **2019**, 2019, 1-16	1.6	18
25	Periodically Switched Memristor Initial Boosting Behaviors in Memristive Hypogenetic Jerk System. *IEEE Access*, **2019**, 7, 145022-145029	3.5	18
24	Forward and reverse asymmetric memristor-based jerk circuits. *AEU - International Journal of Electronics and Communications*, **2020**, 123, 153294	2.8	17
23	Bifurcation analyses and hardware experiments for bursting dynamics in non-autonomous memristive FitzHugh-Nagumo circuit. *Science China Technological Sciences*, **2020**, 63, 1035-1044	3.5	15
22	Interpreting initial offset boosting via reconstitution in integral domain. *Chaos, Solitons and Fractals*, **2020**, 131, 109544	9.3	15
21	Extreme multistability in memristive hyper-jerk system and stability mechanism analysis using dimensionality reduction model. *European Physical Journal: Special Topics*, **2019**, 228, 1995-2009	2.3	14
20	A Simple Nonautonomous Hidden Chaotic System with a Switchable Stable Node-Focus. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950168	2	14
19	Asymmetric coexisting bifurcations and multi-stability in an asymmetric memristive diode-bridge-based Jerk circuit. *Chinese Journal of Physics*, **2021**, 70, 69-81	3.5	12
18	Asymmetric memristive Chua's chaotic circuits. *International Journal of Electronics*, **2020**, 1-18	1.2	11
17	An Improved Memristive Diode Bridge-Based Band Pass Filter Chaotic Circuit. *Mathematical Problems in Engineering*, **2017**, 2017, 1-11	1.1	10
16	Bifurcation analysis and circuit implementation for a tabu learning neuron model. *AEU - International Journal of Electronics and Communications*, **2020**, 121, 153235	2.8	10
15	A non-autonomous conservative system and its reconstitution in integral domain. *Nonlinear Dynamics*, **2021**, 103, 643-655	5	6
14	Initial-condition-switched boosting extreme multistability and mechanism analysis in a memcapacitive oscillator. *Frontiers of Information Technology and Electronic Engineering*, **2021**, 22, 1517-1531	2.2	5

13	Parameter and initial offset boosting dynamics in two-memristor-based Colpitts system. *European Physical Journal: Special Topics*, **2021**, 230, 1709-1721	2.3	5
12	Initial-Condition Effects on a Two-Memristor-Based Jerk System. *Mathematics*, **2022**, 10, 411	2.3	4
11	Abundant Coexisting Multiple Attractors Behaviors in Three-Dimensional Sine Chaotic System. *Complexity*, **2019**, 2019, 1-11	1.6	4
10	A single neuron model with memristive synaptic weight. *Chinese Journal of Physics*, **2022**, 76, 217-227	3.5	2
9	Symmetrically scaled coexisting behaviors in two types of simple jerk circuits. *Circuit World*, **2020**, 47, 61-70	0.7	2
8	Parallel-Type Asymmetric Memristive Diode-Bridge Emulator and Its Induced Asymmetric Attractor. *IEEE Access*, **2020**, 8, 156299-156307	3.5	2
7	Synchronous Behavior for Memristive Synapse-Connected Chay Twin-Neuron Network and Hardware Implementation. *Mathematical Problems in Engineering*, **2020**, 2020, 1-12	1.1	1
6	A unified asymmetric memristive diode-bridge emulator and hardware confirmation. *European Physical Journal: Special Topics*, **2021**, 230, 1805-1811	2.3	1
5	Analogy circuit synthesis and dynamics confirmation of a bipolar pulse current-forced 2D Wilson neuron model. *European Physical Journal: Special Topics*, **2021**, 230, 1989-1997	2.3	1
4	Dimensionality Reduction Reconstitution for Extreme Multistability in Memristor-Based Colpitts System. *Complexity*, **2019**, 2019, 1-12	1.6	1
3	Novel 3-Scroll Chua Attractor with One Saddle-Focus and Two Stable Node-Foci. *Mathematical Problems in Engineering*, **2018**, 2018, 1-10	1.1	1
2	Infinitely Many Necklace-Shaped Coexisting Attractors in a Nonautonomous Memcapacitive Oscillator. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2022**, 32,	2	1
1	Multistability and coexisting attractors in a non-autonomous memristive Jerk circuit: numerical simulations and hardware measurements. *European Physical Journal: Special Topics*, 1	2.3	0