Zeric Njitacke Tabekoueng

List of Publications by Year
in descending order

46 papers	1,025 citations	361045 20 h-index	476904 29 g-index
46 all docs	46 docs citations	46 times ranked	283 citing authors

#	Article	IF	Citations
1	Window of multistability and its control in a simple 3D Hopfield neural network: application to biomedical image encryption. Neural Computing and Applications, 2021, 33, 6733-6752.	3.2	74
2	Various firing activities and finite-time synchronization of an improved Hindmarshâ€“Rose neuron model under electric field effect. Cognitive Neurodynamics, 2020, 14, 375-397.	2.3	57
3	A plethora of behaviors in a memristor based Hopfield neural networks (HNNs). International Journal of Dynamics and Control, 2019, 7, 36-52.	1.5	52
4	Complex bifurcation analysis and synchronization optimal control for Hindmarshâ€“Rose neuron model under magnetic flow effect. Cognitive Neurodynamics, 2021, 15, 315-347.	2.3	49
5	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. Chaos, 2020, 30, 033112.	1.0	48
6	Coexistence of firing patterns and its control in two neurons coupled through an asymmetric electrical synapse. Chaos, 2020, 30, 023101.	1.0	47
7	Coexistence of Multiple Stable States and Bursting Oscillations in a 4D Hopfield Neural Network. Circuits, Systems, and Signal Processing, 2020, 39, 3424-3444.	1.2	44
8	Hidden electrical activity of two neurons connected with an asymmetric electric coupling subject to electromagnetic induction: Coexistence of patterns and its analog implementation. Chaos, Solitons and Fractals, 2020, 137, 109785.	2.5	40
9	Extremely rich dynamics from hyperchaotic Hopfield neural network: Hysteretic dynamics, parallel bifurcation branches, coexistence of multiple stable states and its analog circuit implementation. European Physical Journal: Special Topics, 2020, 229, 1133-1154.	1.2	37
10	Hamiltonian energy and coexistence of hidden firing patterns from bidirectional coupling between two different neurons. Cognitive Neurodynamics, 2022, 16, 899-916.	2.3	36
11	A new megastable nonlinear oscillator with infinite attractors. Chaos, Solitons and Fractals, 2020, 134, 109703.	2.5	35
12	Remerging Feigenbaum Trees, Coexisting Behaviors and Bursting Oscillations in a Novel 3D Generalized Hopfield Neural Network. Neural Processing Letters, 2020, 52, 267-289.	2.0	32
13	Control of multistability with selection of chaotic attractor: application to image encryption. European Physical Journal: Special Topics, 2021, 230, 1839-1854.	1.2	28
14	Hamilton energy, complex dynamical analysis and information patterns of a new memristive FitzHugh-Nagumo neural network. Chaos, Solitons and Fractals, 2022, 160, 112211.	2.5	28
15	Multistability and circuit implementation of tabu learning two-neuron model: application to secure biomedical images in IoMT. Neural Computing and Applications, 2021, 33, 14945-14973.	3.2	26
16	Hamiltonian energy computation and complex behavior of a small heterogeneous network of three neurons: circuit implementation. Nonlinear Dynamics, 2022, 107, 2867-2886.	2.7	26
17	Chaotic Jerk System with Hump Structure for Text and Image Encryption Using DNA Coding. Circuits, Systems, and Signal Processing, 2021, 40, 4370-4406.	1.2	24
18	Dynamical analysis of a novel 4-neurons based Hopfield neural network: emergences of antimonotonicity and coexistence of multiple stable states. International Journal of Dynamics and Control, 2019, 7, 823-841.	1.5	23

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19	Infinitely many coexisting hidden attractors in a new hyperbolic-type memristor-based HNN. European Physical Journal: Special Topics, 2022, 231, 2371-2385.	1.2	23
20	Effects of Low and High Neuron Activation Gradients on the Dynamics of a Simple 3D Hopfield Neural Network. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050159.	0.7	22
21	Phase synchronization, extreme multistability and its control with selection of a desired pattern in hybrid coupled neurons via a memristive synapse. Nonlinear Dynamics, 2022, 109, 925-942.	2.7	20
22	Coexistence of infinitely many patterns and their control in heterogeneous coupled neurons through a multistable memristive synapse. Chaos, 2022, 32, .	1.0	19
23	Hysteretic Dynamics, Space Magnetization and Offset Boosting in a Third-Order Memristive System. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 413-429.	1.5	18
24	Bifurcations analysis and experimental study of the dynamics of a thermosensitive neuron conducted simultaneously by photocurrent and thermistance. European Physical Journal: Special Topics, 2022, 231, 993-1004.	1.2	18
25	Hidden extreme multistability and its control with selection of a desired attractor in a non-autonomous Hopfield neuron. AEU - International Journal of Electronics and Communications, 2022, 144, 154059.	1.7	18
26	Complex dynamics from heterogeneous coupling and electromagnetic effect on two neurons: Application in images encryption. Chaos, Solitons and Fractals, 2021, 153, 111577.	2.5	18
27	Phase synchronization between two thermo-photoelectric neurons coupled through a Josephson Junction. European Physical Journal B, 2022, 95, 1.	0.6	16
28	Complex dynamics of a novel 3D autonomous system without linear terms having line of equilibria: coexisting bifurcations and circuit design. Analog Integrated Circuits and Signal Processing, 2020, 103, 57-71.	0.9	14
29	Dynamics of a New Multistable 4D Hyperchaotic Lorenz System and Its Applications. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	14
30	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. Complexity, 2020, 2020, 1-12.	0.9	12
31	Circuit and microcontroller validation of the extreme multistable dynamics of a memristive Jerk system: application to image encryption. European Physical Journal Plus, 2022, 137, .	1.2	12
32	Resistiveâ€“capacitive shunted Josephson junction with unharmonic current-phase relation: Analysis and microcontroller implementation. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127757.	1.2	12
33	Coexistence of Multiple Points, Limit Cycles, and Strange Attractors in a Simple Autonomous Hyperjerk Circuit with Hyperbolic Sine Function. Complexity, 2020, 2020, 1-24.	0.9	11
34	Control of Coexisting Attractors with Preselection of the Survived Attractor in Multistable Chuaâ€™s System: A Case Study. Complexity, 2020, 2020, 1-16.	0.9	10
35	Novel compressive sensing image encryption using the dynamics of an adjustable gradient Hopfield neural network. European Physical Journal: Special Topics, 2022, 231, 1995-2016.	1.2	9
36	Complex Dynamics of Coupled Neurons Through a Memristive Synapse: Extreme Multistability and Its Control With Selection of the Desired State. IEEE Transactions on Circuits and Systems II: Express Briefs, 2023, 70, 791-795.	2.2	9

#	Article	IF	Citations
37	Heterogeneous multistability in a novel system with purely nonlinear terms. International Journal of Electronics, 0, , 1-17.	0.9	8
38	Symmetry-breaking, amplitude control and constant Lyapunov exponent based on single parameter snap flows. European Physical Journal: Special Topics, 2021, 230, 1887-1903.	1.2	8
39	Hamiltonian energy computation of a novel memristive mega-stable oscillator (MMO) with dissipative, conservative and repelled dynamics. Chaos, Solitons and Fractals, 2022, 155, 111765.	2.5	6
40	Coexistence of hyperchaos with chaos and its control in a diode-bridge memristor based MLC circuit with experimental validation. Physica Scripta, 2022, 97, 075204.	1.2	6
41	Effects of Symmetric and Asymmetric Nonlinearity on the Dynamics of a Third-Order Autonomous Duffingâ€“Holmes Oscillator. Complexity, 2020, 2020, 1-26.	0.9	5
42	Hidden dynamics of an optically injected laser diode subject to threshold electromagnetic induction: coexistence of multiple stable states. European Physical Journal: Special Topics, 2021, 230, 1979-1988.	1.2	5
43	The Effects of a Constant Excitation Force on the Dynamics of an Infinite-Equilibrium Chaotic System Without Linear Terms: Analysis, Control and Circuit Simulation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050234.	0.7	3
44	Effects of symmetry-breaking on the dynamics of the Shinrikiâ€™s oscillator. European Physical Journal: Special Topics, 2021, 230, 1813-1827.	1.2	1
45	Coexistence of Attractors and Its Control with Selection of a Desired Attractor in a Model of Extended Hindmarshâ€“Rose Neuron with Nonlinear Smooth Fitting Function: Microcontroller Implementation. Journal of Vibration Engineering and Technologies, 2022, 10, 2751-2764.	1.3	1
46	Hopf Bifurcation, Multistability and its Control in a Satellite System. Journal of Vibration Engineering and Technologies, 2022, 10, 2293-2311.	1.3	1