

Zeric Njitacke Tabekoueng

List of Publications by Year in descending order

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283
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Hamiltonian energy and coexistence of hidden firing patterns from bidirectional coupling between two different neurons. Cognitive Neurodynamics, 2022, 16, 899-916.	2.3	36
5	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
6	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
7	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
8	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
9	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
10	Phase synchronization between two thermo-photoelectric neurons coupled through a Josephson Junction. European Physical Journal B, 2022, 95, 1.	0.6	16
11	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
12	Coexistence of infinitely many patterns and their control in heterogeneous coupled neurons through a multistable memristive synapse. Chaos, 2022, 32, .	1.0	19
13	Coexistence of Attractors and Its Control with Selection of a Desired Attractor in a Model of Extended Hindmarsh-Rose Neuron with Nonlinear Smooth Fitting Function: Microcontroller Implementation. Journal of Vibration Engineering and Technologies, 2022, 10, 2751-2764.	1.3	1
14	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
15	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
16	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
17	Hopf Bifurcation, Multistability and its Control in a Satellite System. Journal of Vibration Engineering and Technologies, 2022, 10, 2293-2311.	1.3	1
18	Resistive-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

#	ARTICLE	IF	CITATIONS
19	Complex bifurcation analysis and synchronization optimal control for Hindmarshâ€‘Rose neuron model under magnetic flow effect. <i>Cognitive Neurodynamics</i> , 2021, 15, 315-347.	2.3	49
20	Window of multistability and its control in a simple 3D Hopfield neural network: application to biomedical image encryption. <i>Neural Computing and Applications</i> , 2021, 33, 6733-6752.	3.2	74
21	Chaotic Jerk System with Hump Structure for Text and Image Encryption Using DNA Coding. <i>Circuits, Systems, and Signal Processing</i> , 2021, 40, 4370-4406.	1.2	24
22	Hidden dynamics of an optically injected laser diode subject to threshold electromagnetic induction: coexistence of multiple stable states. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1979-1988.	1.2	5
23	Control of multistability with selection of chaotic attractor: application to image encryption. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1839-1854.	1.2	28
24	Effects of symmetry-breaking on the dynamics of the Shinrikiâ€™s oscillator. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1813-1827.	1.2	1
25	Multistability and circuit implementation of tabu learning two-neuron model: application to secure biomedical images in IoMT. <i>Neural Computing and Applications</i> , 2021, 33, 14945-14973.	3.2	26
26	Symmetry-breaking, amplitude control and constant Lyapunov exponent based on single parameter snap flows. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1887-1903.	1.2	8
27	Complex dynamics from heterogeneous coupling and electromagnetic effect on two neurons: Application in images encryption. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111577.	2.5	18
28	Hysteretic Dynamics, Space Magnetization and Offset Boosting in a Third-Order Memristive System. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020, 44, 413-429.	1.5	18
29	Coexistence of Multiple Stable States and Bursting Oscillations in a 4D Hopfield Neural Network. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 3424-3444.	1.2	44
30	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. <i>Complexity</i> , 2020, 2020, 1-12.	0.9	12
31	Effects of Low and High Neuron Activation Gradients on the Dynamics of a Simple 3D Hopfield Neural Network. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050159.	0.7	22
32	Coexistence of Multiple Points, Limit Cycles, and Strange Attractors in a Simple Autonomous Hyperjerk Circuit with Hyperbolic Sine Function. <i>Complexity</i> , 2020, 2020, 1-24.	0.9	11
33	Effects of Symmetric and Asymmetric Nonlinearity on the Dynamics of a Third-Order Autonomous Duffingâ€™Holmes Oscillator. <i>Complexity</i> , 2020, 2020, 1-26.	0.9	5
34	Remerging Feigenbaum Trees, Coexisting Behaviors and Bursting Oscillations in a Novel 3D Generalized Hopfield Neural Network. <i>Neural Processing Letters</i> , 2020, 52, 267-289.	2.0	32
35	A new megastable nonlinear oscillator with infinite attractors. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109703.	2.5	35
36	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. <i>Chaos</i> , 2020, 30, 033112.	1.0	48

#	ARTICLE	IF	CITATIONS
37	Hidden electrical activity of two neurons connected with an asymmetric electric coupling subject to electromagnetic induction: Coexistence of patterns and its analog implementation. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109785.	2.5	40
38	Various firing activities and finite-time synchronization of an improved Hindmarsh-Rose neuron model under electric field effect. <i>Cognitive Neurodynamics</i> , 2020, 14, 375-397.	2.3	57
39	Extremely rich dynamics from hyperchaotic Hopfield neural network: Hysteretic dynamics, parallel bifurcation branches, coexistence of multiple stable states and its analog circuit implementation. <i>European Physical Journal: Special Topics</i> , 2020, 229, 1133-1154.	1.2	37
40	Complex dynamics of a novel 3D autonomous system without linear terms having line of equilibria: coexisting bifurcations and circuit design. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 103, 57-71.	0.9	14
41	Coexistence of firing patterns and its control in two neurons coupled through an asymmetric electrical synapse. <i>Chaos</i> , 2020, 30, 023101.	1.0	47
42	The Effects of a Constant Excitation Force on the Dynamics of an Infinite-Equilibrium Chaotic System Without Linear Terms: Analysis, Control and Circuit Simulation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050234.	0.7	3
43	Control of Coexisting Attractors with Preselection of the Survived Attractor in Multistable Chua's System: A Case Study. <i>Complexity</i> , 2020, 2020, 1-16.	0.9	10
44	Dynamical analysis of a novel 4-neurons based Hopfield neural network: emergences of antimonotonicity and coexistence of multiple stable states. <i>International Journal of Dynamics and Control</i> , 2019, 7, 823-841.	1.5	23
45	A plethora of behaviors in a memristor based Hopfield neural networks (HNNs). <i>International Journal of Dynamics and Control</i> , 2019, 7, 36-52.	1.5	52
46	Heterogeneous multistability in a novel system with purely nonlinear terms. <i>International Journal of Electronics</i> , 0, , 1-17.	0.9	8