Theophile Fonzin Fozin

List of Publications by Year
in descending order

27 papers	583 citations	567281 15 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	257 citing authors

#	Article	IF	Citations
1	Coexisting bifurcations in a memristive hyperchaotic oscillator. AEU - International Journal of Electronics and Communications, 2018, 90, 110-122.	2.9	63
2	Effects of symmetric and asymmetric nonlinearity on the dynamics of a novel chaotic jerk circuit: Coexisting multiple attractors, period doubling reversals, crisis, and offset boosting. Chaos, Solitons and Fractals, 2019, 121, 63-84.	5.1	49
3	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. Chaos, 2020, 30, 033112.	2.5	48
4	On the dynamics of a simplified canonical Chua's oscillator with smooth hyperbolic sine nonlinearity: Hyperchaos, multistability and multistability control. Chaos, 2019, 29, 113105.	2.5	40
5	Biomedical Image Classification in a Big Data Architecture Using Machine Learning Algorithms. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	37
6	Hamiltonian energy and coexistence of hidden firing patterns from bidirectional coupling between two different neurons. Cognitive Neurodynamics, 2022, 16, 899-916.	4.0	36
7	On the analysis of semiconductor diode-based chaotic and hyperchaotic generators—a case study. Nonlinear Dynamics, 2014, 77, 373-386.	5.2	31
8	Dynamical analysis and multistability in autonomous hyperchaotic oscillator with experimental verification. Nonlinear Dynamics, 2018, 93, 653-669.	5.2	31
9	Control of Multistability in a Self-Excited Memristive Hyperchaotic Oscillator. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950119.	1.7	31
10	Chaotic Jerk System with Hump Structure for Text and Image Encryption Using DNA Coding. Circuits, Systems, and Signal Processing, 2021, 40, 4370-4406.	2.0	24
11	Multistability Control of Hysteresis and Parallel Bifurcation Branches through a Linear Augmentation Scheme. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 75, 11-21.	1.5	23
12	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.	2.5	23
13	Coexistence of infinitely many patterns and their control in heterogeneous coupled neurons through a multistable memristive synapse. Chaos, 2022, 32, .	2.5	19
14	A novel hyperchaotic three-component oscillator operating at high frequency. Chaos, Solitons and Fractals, 2019, 118, 166-180.	5.1	17
15	Extremely rich dynamical behaviors in a simple nonautonomous Jerk system with generalized nonlinearity : hyperchaos, intermittency, offset-boosting and multistability. International Journal of Dynamics and Control, 2020, 8, 51-69.	2.5	16
16	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, .	1.7	14
17	Complex Dynamics in a Memristive Diode Bridge-Based MLC Circuit: Coexisting Attractors and Double-Transient Chaos. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150049.	1.7	13
18	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. Complexity, 2020, 2020, 1-12.	1.6	12

#	Article	IF	Citations
19	Control of Coexisting Attractors with Preselection of the Survived Attractor in Multistable Chua's System: A Case Study. Complexity, 2020, 2020, 1-16.	1.6	10
20	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.	3.0	9
21	Heterogeneous multistability in a novel system with purely nonlinear terms. International Journal of Electronics, 0, , 1-17.	1.4	8
22	Symmetry-breaking, amplitude control and constant Lyapunov exponent based on single parameter snap flows. European Physical Journal: Special Topics, 2021, 230, 1887-1903.	2.6	8
23	Theoretical Analysis and Adaptive Synchronization of a 4D Hyperchaotic Oscillator. Journal of Chaos, 2014, 2014, 1-15.	2.0	6
24	Coexistence of hyperchaos with chaos and its control in a diode-bridge memristor based MLC circuit with experimental validation. Physica Scripta, 2022, 97, 075204.	2.5	6
25	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.	2.6	5
26	A modified simple chaotic hyperjerk circuit: coexisting bubbles of bifurcation and mixed-mode bursting oscillations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 593-607.	1.5	3
27	Hopf Bifurcation, Multistability and its Control in a Satellite System. Journal of Vibration Engineering and Technologies, 2022, 10, 2293-2311.	2.2	1