

# Theophile Fonzin Fozin

## List of Publications by Year in descending order

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27  
papers

583  
citations

567281

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h-index

642732

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g-index

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all docs

27  
docs citations

27  
times ranked

257  
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.	3.0	9
2	Hamiltonian energy and coexistence of hidden firing patterns from bidirectional coupling between two different neurons. Cognitive Neurodynamics, 2022, 16, 899-916.	4.0	36
3	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
4	Coexistence of infinitely many patterns and their control in heterogeneous coupled neurons through a multistable memristive synapse. Chaos, 2022, 32, .	2.5	19
5	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
6	Hopf Bifurcation, Multistability and its Control in a Satellite System. Journal of Vibration Engineering and Technologies, 2022, 10, 2293-2311.	2.2	1
7	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
8	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
9	Biomedical Image Classification in a Big Data Architecture Using Machine Learning Algorithms. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	37
10	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
11	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
12	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
13	A Novel Megastable Hamiltonian System with Infinite Hyperbolic and Nonhyperbolic Equilibria. Complexity, 2020, 2020, 1-12.	1.6	12
14	A new oscillator with mega-stability and its Hamilton energy: Infinite coexisting hidden and self-excited attractors. Chaos, 2020, 30, 033112.	2.5	48
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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. <i>Chaos, Solitons and Fractals</i> , 2019, 121, 63-84.	5.1	49
20	Multistability Control of Hysteresis and Parallel Bifurcation Branches through a Linear Augmentation Scheme. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 75, 11-21.	1.5	23
21	A novel hyperchaotic three-component oscillator operating at high frequency. <i>Chaos, Solitons and Fractals</i> , 2019, 118, 166-180.	5.1	17
22	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.	2.5	23
23	Coexisting bifurcations in a memristive hyperchaotic oscillator. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 90, 110-122.	2.9	63
24	Dynamical analysis and multistability in autonomous hyperchaotic oscillator with experimental verification. <i>Nonlinear Dynamics</i> , 2018, 93, 653-669.	5.2	31
25	Theoretical Analysis and Adaptive Synchronization of a 4D Hyperchaotic Oscillator. <i>Journal of Chaos</i> , 2014, 2014, 1-15.	2.0	6
26	On the analysis of semiconductor diode-based chaotic and hyperchaotic generatorsâ€™a case study. <i>Nonlinear Dynamics</i> , 2014, 77, 373-386.	5.2	31
27	Heterogeneous multistability in a novel system with purely nonlinear terms. <i>International Journal of Electronics</i> , 0, , 1-17.	1.4	8