

Francois Marie Moukam Kakmeni

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Localized nonlinear waves in a myelinated nerve fiber with self-excitable membrane. Chinese Physics B, 2023, 32, 020504.	0.7	6
2	Neuromechanical modulation of transmembrane voltage in a model of a nerve. Physical Review E, 2022, 105, 014407.	0.8	1
3	Continuous signaling pathways instability in an electromechanical coupled model for biomembranes and nerves. European Physical Journal B, 2022, 95, .	0.6	2
4	Controlling switching between birhythmic states in a new conductance-based bursting neuronal model. Nonlinear Dynamics, 2022, 107, 2887-2902.	2.7	4
5	Dynamics of Dusty Pair-Ion-Electron Plasma Modeled by the Cylindrical Kadomtsev-Petviashvili Equations. American Journal of Modern Physics, 2021, 10, 16.	0.1	1
6	Understanding biological control with entomopathogenic fungiâ€”Insights from a stochastic pestâ€”pathogen model. Chaos, 2021, 31, 023126.	1.0	1
7	Investigation of bright and dark solitons in \hat{I}_{\pm} , \hat{I}^2 -Fermi Pasta Ulam lattice. Chinese Physics B, 2021, 30, 020502.	0.7	10
8	Theoretical analysis of spatial nonhomogeneous patterns of entomopathogenic fungi growth on insect pest. Chaos, 2019, 29, 053134.	1.0	9
9	Dynamics of coupled mode solitons in bursting neural networks. Physical Review E, 2018, 97, 022214.	0.8	20
10	Breathing pulses in the damped-soliton model for nerves. Physical Review E, 2018, 97, 012211.	0.8	14
11	Ionic wave propagation and collision in an excitable circuit model of microtubules. Chaos, 2018, 28, 023106.	1.0	8
12	Periodic soliton trains and informational code structures in an improved soliton model for biomembranes and nerves. Physical Review E, 2018, 98, 022216.	0.8	13
13	Impact of inelastic processes on the chaotic dynamics of a Bose-Einstein condensate trapped into a moving optical lattice. European Physical Journal Plus, 2017, 132, 1.	1.2	0
14	Ratcheting and energetic aspects of synchronization in coupled bursting neurons. Nonlinear Dynamics, 2016, 83, 541-554.	2.7	5
15	Synchronization of cells with activator-inhibitor pathways through adaptive environment-mediated coupling. Physical Review E, 2015, 92, 052911.	0.8	0
16	Synchronization dynamics of chemically coupled cells with activatorâ€”inhibitor pathways. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2813-2823.	0.9	12
17	Bifurcation response and Melnikov chaos in the dynamic of a Boseâ€”Einstein condensate loaded into a moving optical lattice. Nonlinear Dynamics, 2014, 75, 461-474.	2.7	4
18	Localized nonlinear excitations in diffusive Hindmarsh-Rose neural networks. Physical Review E, 2014, 89, 052919.	0.8	35

#	ARTICLE	IF	CITATIONS
19	Chaos controlling self-sustained electromechanical seismograph system based on the Melnikov theory. <i>Nonlinear Dynamics</i> , 2010, 62, 379-389.	2.7	28
20	Practical time-delay synchronization of a periodically modulated self-excited oscillators with uncertainties. <i>Chaos</i> , 2010, 20, 043121.	1.0	13
21	Combined effect of chemical and electrical synapses in Hindmarsh-Rose neural networks on synchronization and the rate of information. <i>Physical Review E</i> , 2010, 82, 036203.	0.8	86
22	Synchronization and information transmission in spatio-temporal networks of deformable units. <i>Pramana - Journal of Physics</i> , 2008, 70, 1063-1076.	0.9	7
23	Nonlinear dynamics of parametrically driven particles in a $\hat{1}6$ potential. <i>Nonlinearity</i> , 2008, 21, 1041-1055.	0.6	4
24	CHAOS AND ROBUST ADAPTIVE SYNCHRONIZATION IN A NONLINEAR EMITTERâ€“RECEIVER SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 3259-3274.	0.7	1
25	Nonlinear Response and Suppression of Chaos by Weak Harmonic Perturbation Inside a Triple Well $\hat{1}6$ -Rayleigh Oscillator Combined to Parametric Excitations. <i>Journal of Computational and Nonlinear Dynamics</i> , 2006, 1, 196-204.	0.7	7
26	Chaos Control of Uncertain Chaotic Systems via Backstepping Approach. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2006, 128, 21-27.	1.0	7
27	ADAPTIVE OBSERVER-BASED EXACT SYNCHRONIZATION OF MISMATCHED CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 2681-2688.	0.7	4
28	AN ADAPTIVE OBSERVER FOR CHAOS SYNCHRONIZATION OF A NONLINEAR ELECTRONIC CIRCUIT. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 2671-2679.	0.7	6
29	Chaos Control and Synchronization of a Class of Uncertain Chaotic Systems. <i>JVC/Journal of Vibration and Control</i> , 2005, 11, 1007-1024.	1.5	5
30	Controlled synchronization of chaotic systems with uncertainties via a sliding mode control design. <i>Physical Review E</i> , 2004, 70, 066217.	0.8	22
31	A NEW SYNCHRONIZATION PRINCIPLE FOR A CLASS OF LUR'E SYSTEMS WITH APPLICATIONS IN SECURE COMMUNICATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 2477-2491.	0.7	31
32	Stability and Duration Time of Chaos Synchronization of a Class of Nonidentical Oscillators. <i>Physica Scripta</i> , 2003, 68, 326-332.	1.2	13