Francois Marie Moukam Kakmeni

List of Publications by Year
in descending order

32 papers	379 citations	932766 10 h-index	794141 19 g-index
32 all docs	32 docs citations	32 times ranked	274 citing authors

#	Article	IF	Citations
1	Combined effect of chemical and electrical synapses in Hindmarsh-Rose neural networks on synchronization and the rate of information. Physical Review E, 2010, 82, 036203.	0.8	86
2	Localized nonlinear excitations in diffusive Hindmarsh-Rose neural networks. Physical Review E, 2014, 89, 052919.	0.8	35
3	A NEW SYNCHRONIZATION PRINCIPLE FOR A CLASS OF LUR'E SYSTEMS WITH APPLICATIONS IN SECURE COMMUNICATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2477-2491.	0.7	31
4	Chaos controlling self-sustained electromechanical seismograph system based on the Melnikov theory. Nonlinear Dynamics, 2010, 62, 379-389.	2.7	28
5	Controlled synchronization of chaotic systems with uncertainties via a sliding mode control design. Physical Review E, 2004, 70, 066217.	0.8	22
6	Dynamics of coupled mode solitons in bursting neural networks. Physical Review E, 2018, 97, 022214.	0.8	20
7	Breathing pulses in the damped-soliton model for nerves. Physical Review E, 2018, 97, 012211.	0.8	14
8	Stability and Duration Time of Chaos Synchronization of a Class of Nonidentical Oscillators. Physica Scripta, 2003, 68, 326-332.	1.2	13
9	Practical time-delay synchronization of a periodically modulated self-excited oscillators with uncertainties. Chaos, 2010, 20, 043121.	1.0	13
10	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
11	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
12	Investigation of bright and dark solitons in Î±, Î²-Fermi Pasta Ulam lattice. Chinese Physics B, 2021, 30, 020502.	0.7	10
13	Theoretical analysis of spatial nonhomogeneous patterns of entomopathogenic fungi growth on insect pest. Chaos, 2019, 29, 053134.	1.0	9
14	Ionic wave propagation and collision in an excitable circuit model of microtubules. Chaos, 2018, 28, 023106.	1.0	8
15	Nonlinear Response and Suppression of Chaos by Weak Harmonic Perturbation Inside a Triple Well Î¦6-Rayleigh Oscillator Combined to Parametric Excitations. Journal of Computational and Nonlinear Dynamics, 2006, 1, 196-204.	0.7	7
16	Chaos Control of Uncertain Chaotic Systems via Backstepping Approach. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 21-27.	1.0	7
17	Synchronization and information transmission in spatio-temporal networks of deformable units. Pramana - Journal of Physics, 2008, 70, 1063-1076.	0.9	7
18	AN ADAPTIVE OBSERVER FOR CHAOS SYNCHRONIZATION OF A NONLINEAR ELECTRONIC CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2671-2679.	0.7	6

#	Article	IF	Citations
19	Localized nonlinear waves in a myelinated nerve fiber with self-excitable membrane. Chinese Physics B, 2023, 32, 020504.	0.7	6
20	Chaos Control and Synchronization of a Class of Uncertain Chaotic Systems. JVC/Journal of Vibration and Control, 2005, 11, 1007-1024.	1.5	5
21	Ratcheting and energetic aspects of synchronization in coupled bursting neurons. Nonlinear Dynamics, 2016, 83, 541-554.	2.7	5
22	ADAPTIVE OBSERVER-BASED EXACT SYNCHRONIZATION OF MISMATCHED CHAOTIC SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2681-2688.	0.7	4
23	Nonlinear dynamics of parametrically driven particles in a Î¦6potential. Nonlinearity, 2008, 21, 1041-1055.	0.6	4
24	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
25	Controlling switching between birhythmic states in a new conductance-based bursting neuronal model. Nonlinear Dynamics, 2022, 107, 2887-2902.	2.7	4
26	Continuous signaling pathways instability in an electromechanical coupled model for biomembranes and nerves. European Physical Journal B, 2022, 95, .	0.6	2
27	CHAOS AND ROBUST ADAPTIVE SYNCHRONIZATION IN A NONLINEAR EMITTERâ€“RECEIVER SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3259-3274.	0.7	1
28	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
29	Understanding biological control with entomopathogenic fungiâ€”Insights from a stochastic pestâ€“pathogen model. Chaos, 2021, 31, 023126.	1.0	1
30	Neuromechanical modulation of transmembrane voltage in a model of a nerve. Physical Review E, 2022, 105, 014407.	0.8	1
31	Synchronization of cells with activator-inhibitor pathways through adaptive environment-mediated coupling. Physical Review E, 2015, 92, 052911.	0.8	0
32	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