

Francois Bceau Pelap

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

502
citations

12
h-index

20
g-index

63
ext. papers

615
ext. citations

2.8
avg, IF

4.38
L-index

#	Paper	IF	Citations
60	Complex dynamic of two-block model for earthquake induced by periodic stress disturbances. <i>European Physical Journal Plus</i> , 2022 , 137, 1	3.1	2
59	Microstructural Dynamics of the Myocardium: Orientation of the Muscle Fibers and Occurrence of Cardiomyopathies. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-9	1.5	
58	Thermoelectric model to study the cardiac action potential and arrhythmias. <i>AIP Advances</i> , 2022 , 12, 055107	1.5	
57	Bifurcation of gap solitary waves in a two-dimensional electrical network with nonlinear dispersion. <i>Chaos, Solitons and Fractals</i> , 2021 , 144, 110630	9.3	1
56	Rogue wave signals in a coupled anharmonic network: effects of the transverse direction. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	0
55	Hybrid behavior of a two-dimensional Noguchi nonlinear electrical network. <i>Physica Scripta</i> , 2021 , 96, 075211	2.6	1
54	Dynamics of high-frequency modulated waves in a nonlinear dissipative continuous bi-inductance network. <i>Chinese Physics B</i> , 2021 , 30, 060504	1.2	
53	Potential of wind energy in Cameroon based on Weibull, normal, and lognormal distribution. <i>International Journal of Energy and Environmental Engineering</i> , 2021 , 12, 761	4	0
52	Transient energy and exergy analysis of parabolic trough solar collector with an application to Sahel climate. <i>International Journal of Sustainable Energy</i> , 2021 , 40, 557-583	2.7	
51	Bifurcation of solitary and periodic waves of an extended cubic-quintic Schrödinger equation with nonlinear dispersion effects governing modulated waves in a bandpass inductor-capacitor network. <i>Chaos, Solitons and Fractals</i> , 2021 , 152, 111397	9.3	1
50	Fractional dynamic of two-blocks model for earthquake induced by periodic stress perturbations. <i>Chaos, Solitons and Fractals: X</i> , 2021 , 7, 100064	3	1
49	Complex dynamics in the two spring-block model for earthquakes with fractional viscous damping. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	3
48	Dynamics of the plane and solitary waves in a Noguchi network: Effects of the nonlinear quadratic dispersion. <i>Chinese Physics B</i> , 2020 , 29, 030501	1.2	2
47	Nonlinear continuous bi-inductance electrical line with dissipative elements: Dynamics of the low frequency modulated waves. <i>Chinese Physics B</i> , 2020 , 29, 040502	1.2	3
46	Non periodic oscillations, bistability, coexistence of chaos and hyperchaos in the simplest resistorless Op-Amp based Colpitts oscillator. <i>Heliyon</i> , 2020 , 6, e03482	3.6	2
45	Alternate backward and forward waves in a coupled nonlinear transmission line. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	4
44	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	1.2	6

43	Discrete Transfer and Finite Volume Methods for Highly Anisotropically Scattering in Radiative Heat Analysis. <i>Journal of Computational and Theoretical Transport</i> , 2020 , 49, 195-214	0.5	
42	Monoatomic chain: modulational instability and exact traveling wave solutions. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	1
41	Control of Multistability in a Self-Excited Memristive Hyperchaotic Oscillator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1950119	2	22
40	Coexistence of multiple attractors in the tree dynamics. <i>Chaos, Solitons and Fractals</i> , 2019 , 127, 70-82	9.3	8
39	Wave-shape profiles in a coupled inductor-capacitor network with nonlinear dispersion. <i>Physical Review E</i> , 2019 , 100, 022214	2.4	6
38	A new rational sine-Gordon expansion method and its application to nonlinear wave equations arising in mathematical physics. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	13
37	On the dynamics of a simplified canonical Chua's oscillator with smooth hyperbolic sine nonlinearity: Hyperchaos, multistability and multistability control. <i>Chaos</i> , 2019 , 29, 113105	3.3	25
36	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	1.4	11
35	Propagation of modulated waves in narrow-bandpass one-dimensional lattices. <i>Physical Review E</i> , 2019 , 100, 062209	2.4	4
34	Fractional-order stability analysis of earthquake dynamics. <i>Journal of Geophysics and Engineering</i> , 2018 , 15, 1673-1687	1.3	9
33	Coexisting bifurcations in a memristive hyperchaotic oscillator. <i>AEU - International Journal of Electronics and Communications</i> , 2018 , 90, 110-122	2.8	46
32	Lubrication pressure and fractional viscous damping effects on the spring-block model of earthquakes. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	9
31	Uncertain destination dynamics of a novel memristive 4D autonomous system. <i>Chaos, Solitons and Fractals</i> , 2018 , 107, 177-185	9.3	54
30	Dynamical analysis and multistability in autonomous hyperchaotic oscillator with experimental verification. <i>Nonlinear Dynamics</i> , 2018 , 93, 653-669	5	26
29	Exact solitary wave solutions of a nonlinear Schrödinger equation model with saturable-like nonlinearities governing modulated waves in a discrete electrical lattice. <i>Chinese Physics B</i> , 2018 , 27, 126303	1.2	12
28	Existence and dynamics of solitary waves in a two-dimensional Noguchi nonlinear electrical network. <i>Physical Review E</i> , 2018 , 98,	2.4	11
27	A Modified RBF Neuro-Sliding Mode Control Technique for a Grid Connected PMSG Based Variable Speed Wind Energy Conversion System. <i>Journal of Control Science and Engineering</i> , 2018 , 2018, 1-19	1.2	0
26	Modulational instability and peak solitary wave in a discrete nonlinear electrical transmission line described by the modified extended nonlinear Schrödinger equation. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	16

25	Exact transverse solitary and periodic wave solutions in a coupled nonlinear inductor-capacitor network. <i>Chinese Physics B</i> , 2018 , 27, 096301	1.2	11
24	A novel high-frequency interpretation of a general purpose Op-Amp-based negative resistance for chaotic vibrations in a simple a priori nonchaotic circuit. <i>JVC/Journal of Vibration and Control</i> , 2017 , 23, 744-751	2	11
23	An adaptive nonlinear control strategy for a stand-alone permanent magnet synchronous generator driven by a variable speed wind turbine. <i>International Journal of Dynamics and Control</i> , 2017 , 5, 1103-1113	1.7	5
22	Approximate Analytical Solutions of A Nonlinear Oscillator Equation Modeling A Constrained Mechanical System. <i>Journal of Applied Nonlinear Dynamics</i> , 2017 , 1, 17-26	2	8
21	Optimization of the characteristics of the PV cells using nonlinear electronic components. <i>Sustainable Energy Technologies and Assessments</i> , 2016 , 16, 84-92	4.7	9
20	Chaotic behavior of earthquakes induced by a nonlinear magma up flow. <i>Chaos, Solitons and Fractals</i> , 2016 , 87, 71-83	9.3	7
19	Comment on Compact envelope dark solitary wave in a discrete nonlinear electrical transmission line [Phys. Lett. A 373 (2009) 3801-3809]. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 2017-2020	2.3	12
18	Dynamics and properties of waves in a modified Noguchi electrical transmission line. <i>Physical Review E</i> , 2015 , 91, 022925	2.4	24
17	Dynamics of an Earthquake under Magma Thrust Strength 2015 , 2015, 1-9		1
16	Direction effects of the pulling force on the first order phase transition in a one block model for earthquakes. <i>Journal of Geophysics and Engineering</i> , 2014 , 11, 045007	1.3	2
15	Theoretical Analysis and Adaptive Synchronization of a 4D Hyperchaotic Oscillator. <i>Journal of Chaos</i> , 2014 , 2014, 1-15		5
14	Water Effects on the First-Order Transition in a Model of Earthquakes. <i>ISRN Geophysics</i> , 2014 , 2014, 1-7		5
13	Time Dependent Entropy and Decoherence in a Modified Quantum Damped Harmonic Oscillator. <i>Journal of Quantum Information Science</i> , 2014 , 04, 214-226	0.8	1
12	Nonlinear excitations in a continuous bi-inductance electrical line. <i>Physica Scripta</i> , 2011 , 83, 045009	2.6	7
11	Wave dynamics in a modified quintic complex Ginzburg-Landau system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 1015-1018	2.3	1
10	Stability of shock waves in the modified quintic complex Ginzburg-Landau equation. <i>Nonlinear Oscillations</i> , 2007 , 10, 271-277		
9	Stability of bright solitons in some physical systems. <i>Physica Scripta</i> , 2007 , 75, 182-184	2.6	2
8	Higher Order Solitons in an Electrical Lattice. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 074602	1.5	11

7	Soliton-like excitations in the one-dimensional electrical transmission line. <i>Nonlinear Oscillations</i> , 2005 , 8, 513-525		6
6	A Modified Stability Criterion for Envelope Equations. <i>Physica Scripta</i> , 2005 , 71, 238-240	2.6	5
5	Solitonlike excitations in a one-dimensional electrical transmission line. <i>Journal of Mathematical Physics</i> , 2005 , 46, 033502	1.2	30
4	Modulational instability and exact solutions of the modified quintic complex Ginzburg-Landau equation. <i>Journal of Physics A</i> , 2004 , 37, 1727-1735		11
3	On the Exact Solutions of the Generalized Gradov-Shenflo Equation. <i>Physica Scripta</i> , 2003 , 68, 205-206	2.6	
2	Modulational Instability in Some Physical Systems. <i>Physica Scripta</i> , 2001 , 64, 410-412	2.6	11
1	The Revised Modulational Instability Criterion: I The Mono-Inductance Transmission Line. <i>Physica Scripta</i> , 1998 , 57, 410-415	2.6	16