

Conrad Bertrand Tabi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/720475/conrad-bertrand-tabi-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

106

papers

870

citations

17

h-index

21

g-index

116

ext. papers

1,103

ext. citations

3.2

avg, IF

4.96

L-index

#	Paper	IF	Citations
106	Long-range patterns in HindmarshRose networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 43, 211-219	3.7	30
105	Effects of higher order nonlinearities on modulational instability in nonlinear oppositely directed coupler. <i>Journal of Modern Optics</i> , 2014 , 61, 1670-1678	1.1	30
104	Modulational instability in the anharmonic Peyrard-Bishop model of DNA. <i>European Physical Journal B</i> , 2010 , 74, 151-158	1.2	27
103	Nonlinear charge transport in the helicoidal DNA molecule. <i>Chaos</i> , 2012 , 22, 043110	3.3	26
102	Discrete impulses in ephaptically coupled nerve fibers. <i>Chaos</i> , 2015 , 25, 043118	3.3	24
101	Energy patterns in coupled α -helix protein chains with diagonal and off-diagonal couplings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 2374-2381	2.3	23
100	Modulated Wave Packets in DNA and Impact of Viscosity. <i>Chinese Physics Letters</i> , 2009 , 26, 068703	1.8	21
99	Soliton excitation in the DNA double helix. <i>Physica Scripta</i> , 2008 , 77, 045002	2.6	21
98	Modulated pressure waves in large elastic tubes. <i>Chaos</i> , 2013 , 23, 033128	3.3	20
97	Discrete instability in the DNA double helix. <i>Chaos</i> , 2009 , 19, 043101	3.3	20
96	Modulational instability and exact soliton solutions for a twist-opening model of DNA dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 2476-2483	2.3	20
95	Wave propagation of nonlinear modes and formation of bubble in a two-component helicoidal lattice. <i>European Physical Journal D</i> , 2008 , 50, 307-316	1.3	20
94	Firing and synchronization modes in neural network under magnetic stimulation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 72, 432-440	3.7	20
93	Formation of localized structures in the Peyrard-BishopDauxois model. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 415104	1.8	19
92	Synchronized nonlinear patterns in electrically coupled HindmarshRose neural networks with long-range diffusive interactions. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 813-826	9.3	18
91	Fractional blood flow in oscillatory arteries with thermal radiation and magnetic field effects. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 456, 38-45	2.8	18
90	Electronegative nonlinear oscillating modes in plasmas. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 55, 326-337	3.7	18

89	Dynamical analysis of the FitzHugh-Nagumo oscillations through a modified Van der Pol equation with fractional-order derivative term. <i>International Journal of Non-Linear Mechanics</i> , 2018 , 105, 173-178	2.8	17
88	Nonlinear wave trains in three-strand helical protein models. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	17
87	Wave instability of intercellular Ca ²⁺ oscillations. <i>Europhysics Letters</i> , 2014 , 106, 18005	1.6	17
86	Frequency mode excitations in two-dimensional Hindmarsh-Rose neural networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 474, 186-198	3.3	16
85	Soliton-like excitation in a nonlinear model of DNA dynamics with viscosity. <i>Mathematical Biosciences and Engineering</i> , 2008 , 5, 205-16	2.1	16
84	Long-range interactions and wave patterns in a DNA model. <i>European Physical Journal E</i> , 2010 , 32, 327-32.5	3.5	15
83	Long-range intercellular Ca ²⁺ wave patterns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 435, 1-14	3.3	14
82	Modulated charge patterns and noise effect in a twisted DNA model with solvent interaction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 442, 498-509	3.3	14
81	Two-dimensional modulated ion-acoustic excitations in electronegative plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 092114	2.1	14
80	Modulational Instability and Pattern Formation in DNA Dynamics with Viscosity. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008 , 5, 647-654	0.3	14
79	Discrete energy transport in the perturbed Ablowitz-Ladik equation for Davydov model of helix proteins. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	13
78	Intramolecular vibrations and noise effects on pattern formation in a molecular helix. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 375104	1.8	13
77	Modulational instability of charge transport in the Peyrard-Bishop-Holstein model. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 335101	1.8	13
76	Nonlinear excitations of blood flow in large vessels under thermal radiations and uniform magnetic field. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 49, 1-8	3.7	12
75	Unstable discrete modes in Hindmarsh-Rose neural networks under magnetic flow effect. <i>Chaos, Solitons and Fractals</i> , 2019 , 123, 116-123	9.3	12
74	Wave patterns in helix proteins with interspine coupling. <i>Physica Scripta</i> , 2013 , 87, 025801	2.6	11
73	Wave propagation of coupled modes in the DNA double helix. <i>Physica Scripta</i> , 2011 , 83, 035802	2.6	11
72	Fractional unstable patterns of energy in helix proteins with long-range interactions. <i>Chaos, Solitons and Fractals</i> , 2018 , 116, 386-391	9.3	11

71	On the chaotic pole of attraction for Hindmarsh-Rose neuron dynamics with external current input. <i>Chaos</i> , 2019 , 29, 023104	3.3	10
70	Low relativistic effects on the modulational instability of rogue waves in electronegative plasmas. <i>Journal of Theoretical and Applied Physics</i> , 2019 , 13, 237-249	1.4	10
69	Nonlinear coupled mode excitations in microtubules. <i>Chaos, Solitons and Fractals</i> , 2017 , 95, 187-194	9.3	9
68	Base pair opening in a damped helicoidal Joyeux-Buyukdagli model of DNA in an external force field. <i>Physical Review E</i> , 2020 , 102, 062402	2.4	9
67	Fluctuations of polarization induce multisolitons in (α)-helix protein. <i>Nonlinear Dynamics</i> , 2018 , 91, 679-686	5	9
66	Energy localization in an anharmonic twist-opening model of DNA dynamics. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 414107	1.8	7
65	Application of the (G π /G)-expansion method to nonlinear blood flow in large vessels. <i>Physica Scripta</i> , 2011 , 83, 045803	2.6	7
64	Modulational instability in weak nonlocal nonlinear media with competing Kerr and non-Kerr nonlinearities. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 80, 104993	3.7	7
63	Coupled energy patterns in zigzag molecular chains. <i>Wave Motion</i> , 2017 , 72, 342-353	1.8	6
62	Base pairs opening and bubble transport in damped DNA dynamics with transport memory effects. <i>Chaos</i> , 2019 , 29, 093103	3.3	6
61	Long-range memory effects in a magnetized Hindmarsh-Rose neural network. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 84, 105208	3.7	6
60	Electronegative (3+1)-dimensional modulated excitations in plasmas. <i>Physica B: Condensed Matter</i> , 2018 , 545, 370-376	2.8	6
59	Discrete charge patterns in a Holstein-SSH DNA lattice. <i>International Journal of Quantum Chemistry</i> , 2015 , 115, 34-41	2.1	6
58	Modulational Instability in DNA Model with Competing Short- and Long-Range Dispersive Interactions. <i>Journal of Bionanoscience</i> , 2008 , 2, 89-96		6
57	Acoustic and Optical Soliton Excitations in the Peyrard-Bishop Model of DNA Dynamics with Alternating A-T and G-C Base Pairs. <i>Journal of Computational and Theoretical Nanoscience</i> , 2008 , 5, 2201-2209	9.3	6
56	Modulational instability in nonlinear doped optical fiber induced by the cubic-quintic-Septic complex Ginzburg-Landau equation with higher-order dispersions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A214	1.7	6
55	Neuronal firing and DNA dynamics in a neural network. <i>Journal of Physics Communications</i> , 2018 , 2, 125004	0.4	6
54	Spatial synchrony in fractional order metapopulation cholera transmission. <i>Chaos, Solitons and Fractals</i> , 2018 , 117, 37-49	9.3	6

53	Unstable cardiac multi-spiral waves in a FitzHugh-Nagumo soliton model under magnetic flow effect. <i>Nonlinear Dynamics</i> , 2020 , 100, 3799-3814	5	5
52	Energy patterns in twist-opening models of DNA with solvent interactions. <i>Journal of Biological Physics</i> , 2015 , 41, 391-408	1.6	5
51	Generalized synchronization of regulate seizures dynamics in partial epilepsy with fractional-order derivatives. <i>Chaos, Solitons and Fractals</i> , 2020 , 132, 109553	9.3	5
50	Magnetic field effect on a fractionalized blood flow model in the presence of magnetic particles and thermal radiations. <i>Chaos, Solitons and Fractals</i> , 2020 , 131, 109540	9.3	5
49	Modulation instability in nonlinear metamaterials modeled by a cubic-quintic complex Ginzburg-Landau equation beyond the slowly varying envelope approximation. <i>Physical Review E</i> , 2020 , 102, 042207	2.4	5
48	Physical, linear and nonlinear optical properties of amorphous Se _{90-x} Te _{10Mx} (M=Zn, In, Pb, x=0, 5) chalcogenide thin films by electron-beam deposition. <i>Journal of Non-Crystalline Solids</i> , 2021 , 557, 120646	2.0	5
47	Long-range energy modes in Helix lattices with inter-spine coupling. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 514, 298-310	3.3	5
46	Robust propagation of optical vortex beams, necklace-ring solitons, soliton clusters and uniform-ring beams generated in the frame of the higher-order (3 + 1)-dimensional cubic-quintic-septic complex Ginzburg-Landau equation. <i>Physica Scripta</i> , 2019 , 94, 075501	2.6	4
45	Dynamics of a non-smooth type hybrid energy harvester with nonlinear magnetic coupling. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 90, 105364	3.7	4
44	Dissipative Mayer waves in fluid-filled viscoelastic tubes. <i>Chaos, Solitons and Fractals</i> , 2018 , 109, 170-183	3.3	4
43	Elimination of spiral waves in a two-dimensional Hindmarsh-Rose neural network under long-range interaction effect and frequency excitation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 533, 122037	3.3	4
42	Modulation Instability and Pattern Formation in Damped Molecular Systems. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 583-592	0.3	4
41	Coherent Modes and Parameter Selection in DNA Models with Finite Stacking Enthalpy. <i>Journal of Computational and Theoretical Nanoscience</i> , 2012 , 9, 97-101	0.3	4
40	Three excitons states in nonlinear saturation (alpha)-helix protein. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	3
39	LOCALIZED BREATHER-LIKE EXCITATIONS IN THE HELICOIDAL PEYRARD-BISHOP MODEL OF DNA. <i>International Journal of Biomathematics</i> , 2009 , 02, 405-417	1.8	3
38	Two Possible Approaches in Peyrard-Bishop-Dauxois Model of DNA Dynamics. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010 , 7, 1418-1424	0.3	3
37	Few-cycle optical pulses in negative index materials with dispersive permittivity and permeability. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A331	1.7	3
36	Higher-order dispersion and nonlinear effects of optical fibers under septic self-steepening and self-frequency shift. <i>Physical Review E</i> , 2021 , 104, 044208	2.4	3

35	Effects of the septic nonlinearity and the initial value of the radius of orbital angular momentum beams on data transmission in optical fibers using the cubic-quintic-septic complex Ginzburg-Landau equation in presence of higher-order dispersions. <i>Chaos, Solitons and Fractals</i> , 2021 , 147, 110957	9.3	3
34	Modulational instability and energy localization of twisted DNA with solvent interaction. <i>International Journal of Modern Physics B</i> , 2015 , 29, 1550049	1.1	2
33	Vector dissipative light bullets in optical laser beam. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	2
32	Protein-DNA Interaction: Effect of Helicity on Bubble Size. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 2220-2226	0.3	2
31	Application of the (G'/G)-expansion method to nonlinear blood flow in large vessels. <i>Physica Scripta</i> , 2011 , 84, 029701	2.6	2
30	Discrete Polaron Solutions for Charge Transport in Helicoidal DNA Molecules. <i>Quantum Matter</i> , 2016 , 5, 139-146		2
29	From African Bam-tam to nonlinear optics [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A346	1.7	2
28	On a Laser (3+1)-Dimensional Vectorial Cubic-Quintic Complex Ginzburg-Landau Equation and Modulational Instability		2
27	Excitons dynamic in a three-stranded (alpha)-helix protein chains with diagonal and off-diagonal couplings: effects of strong long-range interactions. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	2
26	Chaos break and synchrony enrichment within HindmarshRose-type memristive neural models. <i>Nonlinear Dynamics</i> , 2021 , 105, 785-795	5	2
25	Orbital stability and homoclinic bifurcation in a parametrized deformable double-well potential. <i>Chaos, Solitons and Fractals</i> , 2020 , 130, 109411	9.3	2
24	Modulational instability of coupled waves in electronegative plasmas. <i>Physica Scripta</i> , 2020 , 95, 075211	2.6	1
23	Oscillating two-dimensional Ca ²⁺ waves in cell networks with bidirectional paracrine signaling. <i>Waves in Random and Complex Media</i> , 2019 , 1-23	1.9	1
22	Transport and diffusion of Brownian particles in a tilted deformable potential. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 541, 123284	3.3	1
21	Unstable cAMP wave patterns during aggregation of Dictyostelium discoideum cells. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126133	2.3	1
20	Hopf bifurcations on invariant manifolds of a modified Fitzhugh-Nagumo model. <i>Nonlinear Dynamics</i> , 2020 , 102, 311-327	5	1
19	Modulation instability in helicoidal spin-orbit coupled open Bose-Einstein condensates. <i>Physical Review E</i> , 2021 , 103, 052206	2.4	1
18	Fractional properties effects on a hybrid energy harvesting system dynamics. <i>Meccanica</i> , 2021 , 56, 2451-2469		1

17	Bubble Formation in Helicoidal DNA Molecules 2016 , 06,		1
16	Fractional-Order Model for Myxomatosis Transmission Dynamics: Significance of Contact, Vector Control and Culling. <i>SIAM Journal on Applied Mathematics</i> , 2021 , 81, 641-665	1.8	1
15	Stochastic electrical behavior of Splina liquid chlorophyll drink. <i>Indian Journal of Science and Technology</i> , 2018 , 11, 1-13	1	1
14	Stochastic electrical behavior of Splina liquid chlorophyll drink. <i>Indian Journal of Science and Technology</i> , 2018 , 11, 1-14	1	1
13	Long-range modulated wave patterns in certain nonlinear saturation alpha-helical proteins. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	1
12	Generation of matter waves in Bose-Bose mixtures with helicoidal spin-orbit coupling. <i>Physical Review A</i> , 2021 , 104,	2.6	1
11	Dynamics of moving cavity solitons in two-level laser system from symmetric gaussian input: vectorial cubic-quintic complex Ginzburg-Landau equation. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	0
10	Pattern formation in the Fitzhugh-Nagumo neuron with diffusion relaxation. <i>Chaos, Solitons and Fractals</i> , 2021 , 147, 110974	9.3	0
9	Stochastic dynamics of the FitzHugh-Nagumo neuron model through a modified Van der Pol equation with fractional-order term and Gaussian white noise excitation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021 , 14, 2229	2.8	0
8	Fractional blood flow in rotating nanofluid with different shapes nanoparticles in the influence of activation energy and thermal radiation. <i>Chaos</i> , 2021 , 31, 093109	3.3	0
7	Dynamics and pattern formation of a diffusive predator-prey model in the subdiffusive regime in presence of toxicity. <i>Chaos, Solitons and Fractals</i> , 2021 , 151, 111238	9.3	0
6	On stochastic response of fractional-order generalized birhythmic van der Pol oscillator subjected to delayed feedback displacement and Gaussian white noise excitation. <i>Chaos, Solitons and Fractals</i> , 2022 , 157, 111936	9.3	0
5	Stability of nonparaxial gap-soliton bullets in waveguide gratings. <i>Chaos, Solitons and Fractals</i> , 2022 , 158, 112034	9.3	0
4	(2+1)-dimensional unstable matter waves in self-interacting pseudospin-1/2 BECs under combined Rashba and Dresselhaus spin-orbit couplings. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022 , 442, 128192	2.3	0
3	Modulational instability of gap solitons in single-walled carbon nanotube lattices. <i>Wave Motion</i> , 2020 , 94, 102511	1.8	
2	Modulational instability in a biexciton molecular chain with saturable nonlinearity effects. <i>International Journal of Modern Physics B</i> , 2016 , 30, 1550244	1.1	
1	Diffusion effects in nonlinear dynamics of hepatitis B virus. <i>Physica Scripta</i> , 2021 , 96, 105217	2.6	