Jose Danilo Szezech

List of Publications by Year
in descending order

52 papers	**609** citations	759233 **12** h-index	677142 **22** g-index
52 all docs	**52** docs citations	**52** times ranked	**397** citing authors

#	Article	IF	Citations
1	Control attenuation and temporary immunity in a cellular automata SEIR epidemic model. Chaos, Solitons and Fractals, 2022, 155, 111784.	5.1	8
2	Conservative generalized bifurcation diagrams and phase space properties for oval-like billiards. Chaos, Solitons and Fractals, 2022, 155, 111707.	5.1	1
3	On the dynamical behaviour of a glucose-insulin model. Chaos, Solitons and Fractals, 2022, 155, 111753.	5.1	2
4	Unpredictability in Hamiltonian systems with a hierarchical phase space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, , 127991.	2.1	2
5	Dynamical Properties for a Tunable Circular to Polygonal Billiard. Brazilian Journal of Physics, 2022, 52, 1.	1.4	0
6	Effect of two vaccine doses in the SEIR epidemic model using a stochastic cellular automaton. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127258.	2.6	13
7	Dynamics of epidemics: Impact of easing restrictions and control of infection spread. Chaos, Solitons and Fractals, 2021, 142, 110431.	5.1	8
8	Curry–Yorke route to shearless attractors and coexistence of attractors in dissipative nontwist systems. Chaos, 2021, 31, 023125.	2.5	10
9	Transport Barriers in Symplectic Maps. Brazilian Journal of Physics, 2021, 51, 899-909.	1.4	6
10	Mathematical model of brain tumour growth with drug resistance. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 106013.	3.3	14
11	Influence of Delayed Conductance on Neuronal Synchronization. Frontiers in Physiology, 2020, 11, 1053.	2.8	13
12	Tilted-hat mushroom billiards: Web-like hierarchical mixed phase space. Communications in Nonlinear Science and Numerical Simulation, 2020, 91, 105440.	3.3	1
13	Basin of attraction for chimera states in a network of Rössler oscillators. Chaos, 2020, 30, 083115.	2.5	12
14	Ratchet current in nontwist Hamiltonian systems. Chaos, 2020, 30, 093141.	2.5	3
15	Dragon-kings death in nonlinear wave interactions. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122296.	2.6	2
16	Using rotation number to detect sticky orbits in Hamiltonian systems. Chaos, 2019, 29, 043125.	2.5	11
17	Basin entropy behavior in a cyclic model of the rock-paper-scissors type. Europhysics Letters, 2019, 125, 58003.	2.0	11
18	Bistable Firing Pattern in a Neural Network Model. Frontiers in Computational Neuroscience, 2019, 13, 19.	2.1	28

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19	Numerical simulations of the linear drift memristor model. European Physical Journal Plus, 2019, 134, 1.	2.6	3
20	Spike-burst chimera states in an adaptive exponential integrate-and-fire neuronal network. Chaos, 2019, 29, 043106.	2.5	21
21	Fractal structures in the parameter space of nontwist area-preserving maps. Physical Review E, 2019, 100, 052207.	2.1	9
22	Dynamical characterization of transport barriers in nontwist Hamiltonian systems. Physical Review E, 2018, 97, 012214.	2.1	13
23	Stochastic resonance in dissipative drift motion. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 62-69.	3.3	11
24	Mathematical model with autoregressive process for electrocardiogram signals. Communications in Nonlinear Science and Numerical Simulation, 2018, 57, 415-421.	3.3	11
25	Delayed feedback control of phase synchronisation in a neuronal network model. European Physical Journal: Special Topics, 2018, 227, 1151-1160.	2.6	7
26	Recurrence-based analysis of barrier breakup in the standard nontwist map. Chaos, 2018, 28, 085717.	2.5	8
27	Recurrence quantification analysis for the identification of burst phase synchronisation. Chaos, 2018, 28, 085701.	2.5	7
28	Riddling: Chimeraâ€™s dilemma. Chaos, 2018, 28, 081105.	2.5	17
29	Chimera-like states in a neuronal network model of the cat brain. Chaos, Solitons and Fractals, 2017, 101, 86-91.	5.1	64
30	Synchronization of phase oscillators with coupling mediated by a diffusing substance. Physica A: Statistical Mechanics and Its Applications, 2017, 470, 236-248.	2.6	16
31	Transient chaotic transport in dissipative drift motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1621-1626.	2.1	5
32	Unstable dimension variability structure in the parameter space of coupled HÃ©non maps. Applied Mathematics and Computation, 2016, 286, 23-28.	2.2	6
33	Mechanism for stickiness suppression during extreme events in Hamiltonian systems. Physical Review E, 2015, 91, 062903.	2.1	9
34	Efeito de um termo dissipativo no sistema hamiltoniano de ondas de deriva. Revista Brasileira De Ensino De Fisica, 2015, 37, 2308-1-2308-8.	0.2	0
35	Recurrence quantification analysis of chimera states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2188-2192.	2.1	29
36	Dynamical Effects in Confined Plasma Turbulence. Brazilian Journal of Physics, 2014, 44, 903-913.	1.4	0

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37	Super persistent transient in a master–slave configuration with Colpitts oscillators. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 405101.	2.1	4
38	Finite-time rotation number: A fast indicator for chaotic dynamical structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 452-456.	2.1	20
39	Analysis of the influence of external biasing on Texas Helimak turbulence. Physics of Plasmas, 2013, 20, .	1.9	12
40	Shearless transport barriers in magnetically confined plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124035.	2.1	19
41	SYNCHRONIZATION OF CHAOS AND THE TRANSITION TO WAVE TURBULENCE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250234.	1.7	1
42	Transport barriers in plasmas. Journal of Physics: Conference Series, 2012, 370, 012001.	0.4	0
43	Effective transport barriers in nontwist systems. Physical Review E, 2012, 86, 036206.	2.1	29
44	Anomalous transport induced by nonhyperbolicity. Physical Review E, 2012, 86, 016216.	2.1	7
45	Dynamical analysis of turbulence in fusion plasmas and nonlinear waves. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4690-4699.	3.3	3
46	Nontwist symplectic maps in tokamaks. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2021-2030.	3.3	13
47	Blowout bifurcation and spatial mode excitation in the bubbling transition to turbulence. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 365-373.	2.6	4
48	Bubbling transition to spatial mode excitation in an extended dynamical system. Physica D: Nonlinear Phenomena, 2009, 238, 516-525.	2.8	6
49	Transport properties in nontwist area-preserving maps. Chaos, 2009, 19, 043108.	2.5	55
50	Onset of spatiotemporal chaos in a nonlinear system. Physical Review E, 2007, 75, 067202.	2.1	5
51	Finite-time Lyapunov spectrum for chaotic orbits of non-integrable Hamiltonian systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 335, 394-401.	2.1	45
52	Simulation of deterministic compartmental models for infectious diseases dynamics. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	5