Cristina JanuÃ¡rio

List of Publications by Year
in descending order

22 papers	199 citations	1040056 9 h-index	1058476 14 g-index
23 all docs	23 docs citations	23 times ranked	239 citing authors

#	Article	IF	Citations
1	Activation of effector immune cells promotes tumor stochastic extinction: A homotopy analysis approach. Applied Mathematics and Computation, 2015, 252, 484-495.	2.2	29
2	Chaos and crises in a model for cooperative hunting: A symbolic dynamics approach. Chaos, 2009, 19, 043102.	2.5	27
3	Avoiding healthy cells extinction in a cancer model. Journal of Theoretical Biology, 2014, 349, 74-81.	1.7	21
4	On chaos, transient chaos and ghosts in single population models with Allee effects. Nonlinear Analysis: Real World Applications, 2012, 13, 1647-1661.	1.7	16
5	Scaling law in saddle-node bifurcations for one-dimensional maps: a complex variable approach. Nonlinear Dynamics, 2012, 67, 541-547.	5.2	15
6	Complex dynamics of defective interfering baculoviruses during serial passage in insect cells. Journal of Biological Physics, 2013, 39, 327-342.	1.5	15
7	TOPOLOGICAL COMPLEXITY AND PREDICTABILITY IN THE DYNAMICS OF A TUMOR GROWTH MODEL WITH SHILNIKOV'S CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350124.	1.7	12
8	On the analytical solutions of the Hindmarshâ€"Rose neuronal model. Nonlinear Dynamics, 2015, 82, 1221-1231.	5.2	9
9	On the Dynamical Complexity of a Seasonally Forced Discrete SIR Epidemic Model with a Constant Vaccination Strategy. Complexity, 2018, 2018, 1-11.	1.6	9
10	Measuring complexity in a business cycle model of the Kaldor type. Chaos, Solitons and Fractals, 2009, 42, 2890-2903.	5.1	8
11	Optimal homotopy analysis of a chaotic HIV-1 model incorporating AIDS-related cancer cells. Numerical Algorithms, 2018, 77, 261-288.	1.9	8
12	Topological invariants in the study of a chaotic food chain system. Chaos, 2008, 18, 023109.	2.5	4
13	Topological entropy and the controlled effect of glucose in the electrical activity of pancreatic `<mml:math altimg="si54.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:sb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sa="`. Physica D: Nonlinear Phenomena,	2.8	4
14	Analytical solutions of an economic model by the homotopy analysis method. Applied Mathematical Sciences, 0, 10, 2483-2490.	0.1	4
15	Explicit series solution for a glucose-induced electrical activity model of pancreatic beta-cells. Chaos, Solitons and Fractals, 2015, 76, 1-9.	5.1	3
16	How Complex, Probable, and Predictable is Genetically Driven Red Queen Chaos?. Acta Biotheoretica, 2015, 63, 341-361.	1.5	3
17	A chaotic bursting-spiking transition in a pancreatic beta-cells system: observation of an interior glucose-induced crisis. Mathematical Biosciences and Engineering, 2017, 14, 821-842.	1.9	3
18	MEASURING AND CONTROLLING THE CHAOTIC MOTION OF PROFITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3593-3604.	1.7	2

#	Article	IF	Citations
19	Reciprocal inhibitory coupling: Measure and control of chaos on a biophysically motivated model of bursting. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 2734-2746.	3.3	2
20	Quantifying chaos for ecological stoichiometry. Chaos, 2010, 20, 033105.	2.5	2
21	Topological entropy of catalytic sets: Hypercycles revisited. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 795-803.	3.3	2
22	Chaos in Ecology: The Topological Entropy of a Tritrophic Food Chain Model. Discrete Dynamics in Nature and Society, 2008, 2008, 1-12.	0.9	1