

Cristina Januário

List of Publications by Year in descending order

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Version: 2024-02-01

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	Optimal homotopy analysis of a chaotic HIV-1 model incorporating AIDS-related cancer cells. <i>Numerical Algorithms</i> , 2018, 77, 261-288.	1.9	8
2	On the Dynamical Complexity of a Seasonally Forced Discrete SIR Epidemic Model with a Constant Vaccination Strategy. <i>Complexity</i> , 2018, 2018, 1-11.	1.6	9
3	A chaotic bursting-spiking transition in a pancreatic beta-cells system: observation of an interior glucose-induced crisis. <i>Mathematical Biosciences and Engineering</i> , 2017, 14, 821-842.	1.9	3
4	Activation of effector immune cells promotes tumor stochastic extinction: A homotopy analysis approach. <i>Applied Mathematics and Computation</i> , 2015, 252, 484-495.	2.2	29
5	Explicit series solution for a glucose-induced electrical activity model of pancreatic beta-cells. <i>Chaos, Solitons and Fractals</i> , 2015, 76, 1-9.	5.1	3
6	How Complex, Probable, and Predictable is Genetically Driven Red Queen Chaos?. <i>Acta Biotheoretica</i> , 2015, 63, 341-361.	1.5	3
7	On the analytical solutions of the Hindmarsh-Rose neuronal model. <i>Nonlinear Dynamics</i> , 2015, 82, 1221-1231.	5.2	9
8	Avoiding healthy cells extinction in a cancer model. <i>Journal of Theoretical Biology</i> , 2014, 349, 74-81.	1.7	21
9	Complex dynamics of defective interfering baculoviruses during serial passage in insect cells. <i>Journal of Biological Physics</i> , 2013, 39, 327-342.	1.5	15
10	TOPOLOGICAL COMPLEXITY AND PREDICTABILITY IN THE DYNAMICS OF A TUMOR GROWTH MODEL WITH SHILNIKOV'S CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350124.	1.7	12
11	Topological entropy of catalytic sets: Hypercycles revisited. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 795-803.	3.3	2
12	On chaos, transient chaos and ghosts in single population models with Allee effects. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 1647-1661.	1.7	16
13	Scaling law in saddle-node bifurcations for one-dimensional maps: a complex variable approach. <i>Nonlinear Dynamics</i> , 2012, 67, 541-547.	5.2	15
14	Quantifying chaos for ecological stoichiometry. <i>Chaos</i> , 2010, 20, 033105.	2.5	2
15	Chaos and crises in a model for cooperative hunting: A symbolic dynamics approach. <i>Chaos</i> , 2009, 19, 043102.	2.5	27
16	MEASURING AND CONTROLLING THE CHAOTIC MOTION OF PROFITS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 3593-3604.	1.7	2
17	Measuring complexity in a business cycle model of the Kaldor type. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2890-2903.	5.1	8
18	Reciprocal inhibitory coupling: Measure and control of chaos on a biophysically motivated model of bursting. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 2734-2746.	3.3	2

#	ARTICLE	IF	CITATIONS
19	<p>ical entropy and the controlled effect of glucose in the electrical activity of pancreatic</p> $\frac{1}{\tau} \ln \left(\frac{1}{\tau} \int_0^{\tau} \exp(-\lambda t) \exp(\lambda t) dt \right)$	2.8	4
20	<p>Chaos in Ecology: The Topological Entropy of a Tritrophic Food Chain Model. Discrete Dynamics in Nature and Society, 2008, 2008, 1-12.</p>	0.9	1
21	<p>Topological invariants in the study of a chaotic food chain system. Chaos, 2008, 18, 023109.</p>	2.5	4
22	<p>Analytical solutions of an economic model by the homotopy analysis method. Applied Mathematical Sciences, 0, 10, 2483-2490.</p>	0.1	4