

Ch G Antonopoulos

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1050875/ch-g-antonopoulos-publications-by-year.pdf>

Version: 2024-04-23

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.

48
papers

1,112
citations

17
h-index

33
g-index

53
ext. papers

1,397
ext. citations

4
avg, IF

5.15
L-index

#	Paper	IF	Citations
48	Dynamical analysis of the infection status in diverse communities due to COVID-19 using a modified SIR model.. <i>Nonlinear Dynamics</i> , 2022 , 1-14	5	0
47	Controlling the Chimera Form in the Leaky Integrate-and-Fire Model.. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1338, 247-258	3.6	
46	Spatiotemporal characteristics in systems of diffusively coupled excitable slow-fast FitzHugh-Rinzel dynamical neurons. <i>Chaos</i> , 2021 , 31, 103122	3.3	1
45	Short-term and spike-timing-dependent plasticity facilitate the formation of modular neural networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 96, 105689	3.7	4
44	Spatiotemporal instabilities and pattern formation in systems of diffusively coupled Izhikevich neurons. <i>Chaos, Solitons and Fractals</i> , 2021 , 152, 111375	9.3	1
43	Emergence of Mixed Mode Oscillations in Random Networks of Diverse Excitable Neurons: The Role of Neighbors and Electrical Coupling. <i>Frontiers in Computational Neuroscience</i> , 2020 , 14, 49	3.5	8
42	A SIR model assumption for the spread of COVID-19 in different communities. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110057	9.3	221
41	Self-sustained activity of low firing rate in balanced networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 537, 122671	3.3	9
40	Dynamic tracking with model-based forecasting for the spread of the COVID-19 pandemic. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110298	9.3	12
39	Labyrinth chaos: Revisiting the elegant, chaotic, and hyperchaotic walks. <i>Chaos</i> , 2020 , 30, 113129	3.3	3
38	Influence of Autapses on Synchronization in Neural Networks With Chemical Synapses. <i>Frontiers in Systems Neuroscience</i> , 2020 , 14, 604563	3.5	9
37	Bistable Firing Pattern in a Neural Network Model. <i>Frontiers in Computational Neuroscience</i> , 2019 , 13, 19	3.5	14
36	Detecting Resonances using Evolutionary Algorithms 2019 , 443-446		1
35	Evaluating performance of neural codes in model neural communication networks. <i>Neural Networks</i> , 2019 , 109, 90-102	9.1	6
34	Hyperchaos & labyrinth chaos: Revisiting Thomas-Rössler systems. <i>Journal of Theoretical Biology</i> , 2019 , 460, 153-159	2.3	5
33	Opinion formation in multiplex networks with general initial distributions. <i>Scientific Reports</i> , 2018 , 8, 2852	4.9	13
32	Emergence of Chimera-like States in Prefrontal-Cortex Macaque Intracranial Recordings 2018 ,		1

31	Inference of financial networks using the normalised mutual information rate. <i>PLoS ONE</i> , 2018 , 13, e0193160	3.7	2
30	Spike timing-dependent plasticity induces non-trivial topology in the brain. <i>Neural Networks</i> , 2017 , 88, 58-64	9.1	21
29	Maintaining extensivity in evolutionary multiplex networks. <i>PLoS ONE</i> , 2017 , 12, e0175389	3.7	2
28	Analyzing chaos in higher order disordered quartic-sextic Klein-Gordon lattices using q -statistics. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 129-134	9.3	5
27	Coupled symplectic maps as models for subdiffusive processes in disordered Hamiltonian lattices. <i>Applied Numerical Mathematics</i> , 2016 , 104, 110-119	2.5	1
26	Dynamical complexity in the C.elegans neural network. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 1255-1269	2.3	8
25	Successful network inference from time-series data using mutual information rate. <i>Chaos</i> , 2016 , 26, 043102	3.0	20
24	Chimera-like States in Modular Neural Networks. <i>Scientific Reports</i> , 2016 , 6, 19845	4.9	113
23	Dynamic range in the C. elegans brain network. <i>Chaos</i> , 2016 , 26, 013102	3.3	7
22	Phase Transitions in Models of Bird Flocking 2015 , 383-398		1
21	Do Brain Networks Evolve by Maximizing Their Information Flow Capacity?. <i>PLoS Computational Biology</i> , 2015 , 11, e1004372	5	21
20	Evidence of q-exponential statistics in Greek seismicity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 409, 71-77	3.3	27
19	Production and transfer of energy and information in Hamiltonian systems. <i>PLoS ONE</i> , 2014 , 9, e89585	3.7	7
18	Complex statistics and diffusion in nonlinear disordered particle chains. <i>Chaos</i> , 2014 , 24, 024405	3.3	11
17	LINEAR AND NONLINEAR ARABESQUES: A STUDY OF CLOSED CHAINS OF NEGATIVE 2-ELEMENT CIRCUITS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1330033	2	8
16	Complex statistics in Hamiltonian barred galaxy models. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2012 , 113, 63-80	1.4	14
15	PROBING THE LOCAL DYNAMICS OF PERIODIC ORBITS BY THE GENERALIZED ALIGNMENT INDEX (GALI) METHOD. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250218	2	29
14	Quasi-stationary chaotic states in multi-dimensional Hamiltonian systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 3290-3307	3.3	21

13	Emergence of coherent motion in aggregates of motile coupled maps. <i>Chaos, Solitons and Fractals</i> , 2011 , 44, 574-586	9.3	1
12	WEAK CHAOS DETECTION IN THE FERMI-PASTA-ULAM-SYSTEM USING q-GAUSSIAN STATISTICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 2285-2296	2	19
11	Weak chaos and the "melting transition" in a confined microplasma system. <i>Physical Review E</i> , 2010 , 81, 016211	2.4	19
10	Detecting resonances in conservative maps using evolutionary algorithms. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 334-341	2.3	24
9	EVOLUTIONARY METHODS FOR THE APPROXIMATION OF THE STABILITY DOMAIN AND FREQUENCY OPTIMIZATION OF CONSERVATIVE MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 2249-2264	2	10
8	Detecting chaos, determining the dimensions of tori and predicting slow diffusion in Fermi-Pasta-Ulam lattices by the Generalized Alignment Index method. <i>European Physical Journal: Special Topics</i> , 2008 , 165, 5-14	2.3	51
7	Geometrical properties of local dynamics in Hamiltonian systems: The Generalized Alignment Index (GALI) method. <i>Physica D: Nonlinear Phenomena</i> , 2007 , 231, 30-54	3.3	123
6	CHAOTIC DYNAMICS OF N-DEGREE OF FREEDOM HAMILTONIAN SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 1777-1793	2	29
5	Stability of simple periodic orbits and chaos in a Fermi-Pasta-Ulam lattice. <i>Physical Review E</i> , 2006 , 73, 056206	2.4	30
4	Detecting order and chaos in Hamiltonian systems by the SALI method. <i>Journal of Physics A</i> , 2004 , 37, 6269-6284		115
3	How Does the Smaller Alignment Index (SALI) Distinguish Order from Chaos?. <i>Progress of Theoretical Physics Supplement</i> , 2003 , 150, 439-443		50
2	SMALLER ALIGNMENT INDEX (SALI): DETERMINING THE ORDERED OR CHAOTIC NATURE OF ORBITS IN CONSERVATIVE DYNAMICAL SYSTEMS 2003 ,		4
1	CHAOS IN A NEAR-INTEGRABLE HAMILTONIAN LATTICE. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1743-1754	2	5