

Damião H Zanette

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,582
citations

172457

29
h-index

133252

59
g-index

78
all docs

78
docs citations

78
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual risk-aversion responses tune epidemics to critical transmissibility ($\langle R \rangle = 1$). Royal Society Open Science, 2022, 9, 211667.	2.4	9
2	Multistability of Globally Coupled Duffing Oscillators. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150056.	1.7	2
3	Word frequency–rank relationship in tagged texts. Physica A: Statistical Mechanics and Its Applications, 2021, 574, 126020.	2.6	2
4	Collective behavior of coupled multiplicative processes with stochastic resetting. Journal of Physics Complexity, 2021, 2, 035020.	2.2	2
5	Kinship networks in shrinking and growing populations. Physica A: Statistical Mechanics and Its Applications, 2021, , 126554.	2.6	0
6	Emergent parametric resonances and time-crystal phases in driven Bardeen-Cooper-Schrieffer systems. Physical Review Research, 2021, 3, .	3.6	19
7	Functional integral approach to the transfer function of a stochastic scattering channel. Waves in Random and Complex Media, 2020, 30, 722-737.	2.7	0
8	Stochastic effects on the bistatic transfer function of a planar scatterer distribution. Waves in Random and Complex Media, 2020, 30, 643-655.	2.7	0
9	Energy exchange in globally coupled mechanical phase oscillators. Physical Review E, 2020, 102, 012208.	2.1	3
10	Heaps™ Law and Heaps functions in tagged texts: evidences of their linguistic relevance. Royal Society Open Science, 2020, 7, 200008.	2.4	6
11	Fat tails and black swans: Exact results for multiplicative processes with resets. Chaos, 2020, 30, 033104.	2.5	9
12	Statistical properties of model kinship networks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 094008.	2.3	4
13	Effects of noise on the internal resonance of a nonlinear oscillator. Scientific Reports, 2018, 8, 5976.	3.3	20
14	Quantifying the complexity of black-and-white images. PLoS ONE, 2018, 13, e0207879.	2.5	11
15	Energy exchange between coupled mechanical oscillators: linear regimes. Journal of Physics Communications, 2018, 2, 095015.	1.2	16
16	Stability of two-mode internal resonance in a nonlinear oscillator. European Physical Journal B, 2018, 91, 1.	1.5	17
17	Direct observation of coherent energy transfer in nonlinear micromechanical oscillators. Nature Communications, 2017, 8, 15523.	12.8	92
18	Coherent oscillations in word-use data from 1700 to 2008. Palgrave Communications, 2016, 2, .	4.7	3

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19	Self-Sustained Micromechanical Oscillator with Linear Feedback. <i>Physical Review Letters</i> , 2016, 117, 017203.	7.8	40
20	Duffing revisited: phase-shift control and internal resonance in self-sustained oscillators. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	20
21	Internal Resonance in a Vibrating Beam: A Zoo of Nonlinear Resonance Peaks. <i>PLoS ONE</i> , 2016, 11, e0162365.	2.5	43
22	Complexity and Universality in the Long-Range Order of Words. <i>Lecture Notes in Morphogenesis</i> , 2016, 27-41.	0.2	1
23	Opinion Formation by Social Influence: From Experiments to Modeling. <i>PLoS ONE</i> , 2015, 10, e0140406.	2.5	33
24	Nonlinearity-Induced Synchronization Enhancement in Micromechanical Oscillators. <i>Physical Review Letters</i> , 2015, 114, 034103.	7.8	53
25	Bistatic Transfer Function for a Planar Distribution of Stationary Scatterers: Analytical Results. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 2326-2330.	3.1	2
26	Synchronization of a forced self-sustained Duffing oscillator. <i>European Physical Journal: Special Topics</i> , 2014, 223, 2807-2817.	2.6	3
27	Cooperation within triplets in the rock-paper-scissors game. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	3
28	Reply to the Commentary on "Critical phenomena in the spreading of opinion consensus and disagreement". <i>Papers in Physics</i> , 2014, 6, .	0.2	0
29	Evolutionary Dynamics of Resource Allocation in the Colonel Blotto Game. <i>Journal of Statistical Physics</i> , 2013, 151, 623-636.	1.2	5
30	Articulating biological and cultural evolution. <i>Physics of Life Reviews</i> , 2013, 10, 416-417.	2.8	0
31	Synchronization properties of self-sustained mechanical oscillators. <i>Physical Review E</i> , 2013, 87, 052910.	2.1	9
32	Frequency stabilization in nonlinear micromechanical oscillators. <i>Nature Communications</i> , 2012, 3, 806.	12.8	307
33	Role of Demographic Dynamics and Conflict in the Population-Area Relationship for Human Languages. <i>PLoS ONE</i> , 2012, 7, e40137.	2.5	6
34	Universal Entropy of Word Ordering Across Linguistic Families. <i>PLoS ONE</i> , 2011, 6, e19875.	2.5	56
35	Critical transition induced by neighbourhood size in evolutionary spatial games. <i>European Physical Journal B</i> , 2011, 82, 361-366.	1.5	2
36	Potential-partnership networks and the dynamical structure of monogamous populations. <i>European Physical Journal B</i> , 2010, 75, 373-379.	1.5	2

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37	Contact switching as a control strategy for epidemic outbreaks. <i>Journal of Theoretical Biology</i> , 2009, 257, 52-60.	1.7	90
38	Interplay of noise and coupling in heterogeneous ensembles of phase oscillators. <i>European Physical Journal B</i> , 2009, 69, 269-273.	1.5	6
39	Sexually transmitted infections and the marriage problem. <i>European Physical Journal B</i> , 2009, 70, 557-565.	1.5	3
40	Beyond networks: opinion formation in triplet-based populations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3311-3319.	3.4	5
41	Answer to the Commentary on "A note on the consensus time of mean-field majority-rule dynamics". <i>Papers in Physics</i> , 2009, 1, .	0.2	0
42	Infection Spreading in a Population with Evolving Contacts. <i>Journal of Biological Physics</i> , 2008, 34, 135-148.	1.5	109
43	Synchronization of phase oscillators with heterogeneous coupling: A solvable case. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 818-828.	2.8	23
44	Adaptation to synchronization in phase-oscillator networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5631-5638.	2.6	4
45	DEMOGRAPHIC GROWTH AND THE DISTRIBUTION OF LANGUAGE SIZES. <i>International Journal of Modern Physics C</i> , 2008, 19, 237-247.	1.7	9
46	Multiplicative Processes and City Sizes. , 2008, , 457-472.		2
47	Synchronization and clustering of phase oscillators with heterogeneous coupling. <i>Europhysics Letters</i> , 2007, 77, 20001.	2.0	18
48	Statistical properties and network structure of the marriage problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 380, 539-551.	2.6	2
49	Coevolution of agents and networks: Opinion spreading and community disconnection. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 89-94.	2.1	87
50	Opinion spreading and agent segregation on evolving networks. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 156-165.	2.8	65
51	Disturbing synchronization: Propagation of perturbations in networks of coupled oscillators. <i>European Physical Journal B</i> , 2005, 43, 97-108.	1.5	9
52	Synchronization and frustration in oscillator networks with attractive and repulsive interactions. <i>Europhysics Letters</i> , 2005, 72, 190-196.	2.0	58
53	Cooperative action of coherent groups in broadly heterogeneous populations of interacting chemical oscillators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10890-10894.	7.1	30
54	Minorities in a model for opinion formation. <i>Complexity</i> , 2004, 9, 31-36.	1.6	35

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55	A note on non-thermodynamical applications of non-extensive statistics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 324, 383-387.	2.1	18
56	Propagation of small perturbations in synchronized oscillator networks. <i>Europhysics Letters</i> , 2004, 68, 356-362.	2.0	17
57	Vector opinion dynamics in a model for social influence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 329, 459-472.	2.6	36
58	Thermal measurements of stationary nonequilibrium systems: a test for generalized thermostatics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 316, 184-189.	2.1	13
59	Different regimes of synchronization in nonidentical time-delayed maps. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 361-370.	2.6	11
60	Synchronization in an array of globally coupled maps with delayed interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 186-191.	2.6	29
61	Dynamics and nonequilibrium states in the Hamiltonian mean-field model: A closer look. <i>Physical Review E</i> , 2003, 67, 031105.	2.1	28
62	Dynamics of rumor propagation on small-world networks. <i>Physical Review E</i> , 2002, 65, 041908.	2.1	432
63	At the Boundary between Biological and Cultural Evolution: The Origin of Surname Distributions. <i>Journal of Theoretical Biology</i> , 2002, 216, 461-477.	1.7	44
64	Effects of immunization in small-world epidemics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 309, 445-452.	2.6	82
65	Vertical transmission of culture and the distribution of family names. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 1-8.	2.6	90
66	SELF-SIMILARITY IN THE TAXONOMIC CLASSIFICATION OF HUMAN LANGUAGES. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2001, 04, 281-286.	1.4	9
67	Critical behavior of propagation on small-world networks. <i>Physical Review E</i> , 2001, 64, 050901.	2.1	284
68	Propagating structures in globally coupled systems with time delays. <i>Physical Review E</i> , 2000, 62, 3167-3172.	2.1	37
69	Stochastic multiplicative processes with reset events. <i>Physical Review E</i> , 1999, 59, 4945-4948.	2.1	106
70	Noise-induced breakdown of coherent collective motion in swarms. <i>Physical Review E</i> , 1999, 60, 4571-4575.	2.1	110
71	Condensation in globally coupled populations of chaotic dynamical systems. <i>Physical Review E</i> , 1998, 57, 276-281.	2.1	78
72	Role of Intermittency in Urban Development: A Model of Large-Scale City Formation. <i>Physical Review Letters</i> , 1997, 79, 523-526.	7.8	148

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73	Thermodynamics of Anomalous Diffusion. Physical Review Letters, 1995, 75, 366-369.	7.8	240
74	Fractal random walks from a variational formalism for Tsallis entropies. Physical Review E, 1994, 49, R956-R958.	2.1	193
75	Critical phenomena in the spreading of opinion consensus and disagreement. Papers in Physics, 0, 6, 060003.	0.2	8
76	Self-sustained oscillations with delayed velocity feedback. Papers in Physics, 0, 9, 090003.	0.2	5
77	Energy flow and dissipation in heterogeneous ensembles of coupled phase oscillators. European Physical Journal: Special Topics, 0, , 1.	2.6	1