

Celia Anteneodo

List of Publications by Year in descending order

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111
papers

2,382
citations

236925

25
h-index

243625

44
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116
all docs

116
docs citations

116
times ranked

1461
citing authors

#	ARTICLE	IF	CITATIONS
1	Breakdown of Exponential Sensitivity to Initial Conditions: Role of the Range of Interactions. <i>Physical Review Letters</i> , 1998, 80, 5313-5316.	7.8	223
2	Nonextensive statistical mechanics and economics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 324, 89-100.	2.6	165
3	Rotators with Long-Range Interactions: Connection with the Mean-Field Approximation. <i>Physical Review Letters</i> , 2000, 84, 208-211.	7.8	137
4	Some features of the López-Ruiz-Mancini-Calbet (LMC) statistical measure of complexity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 223, 348-354.	2.1	108
5	Multiplicative noise: A mechanism leading to nonextensive statistical mechanics. <i>Journal of Mathematical Physics</i> , 2003, 44, 5194-5203.	1.1	88
6	Escape time in anomalous diffusive media. <i>Physical Review E</i> , 2001, 63, 051109.	2.1	85
7	Maximum entropy approach to stretched exponential probability distributions. <i>Journal of Physics A</i> , 1999, 32, 1089-1097.	1.6	73
8	How does public opinion become extreme?. <i>Scientific Reports</i> , 2015, 5, 10032.	3.3	70
9	Two-dimensional turbulence in pure-electron plasma: A nonextensive thermostatical description. <i>Journal of Molecular Liquids</i> , 1997, 71, 255-267.	4.9	67
10	Diffusive anomalies in a long-range Hamiltonian system. <i>Physical Review E</i> , 2006, 74, 021118.	2.1	65
11	Role of conviction in nonequilibrium models of opinion formation. <i>Physical Review E</i> , 2012, 86, 061127.	2.1	59
12	Analytical results for coupled-map lattices with long-range interactions. <i>Physical Review E</i> , 2003, 68, 045202.	2.1	51
13	Impact of contrarians and intransigents in a kinetic model of opinion dynamics. <i>Physical Review E</i> , 2014, 89, 013310.	2.1	51
14	Aging in an infinite-range Hamiltonian system of coupled rotators. <i>Physical Review E</i> , 2003, 67, 031106.	2.1	44
15	Risk aversion in economic transactions. <i>Europhysics Letters</i> , 2002, 59, 635-641.	2.0	41
16	Unraveling the fluctuations of animal motor activity. <i>Chaos</i> , 2009, 19, 033123.	2.5	39
17	A Dynamical Thermostatting Approach to Nonextensive Canonical Ensembles. <i>Annals of Physics</i> , 1997, 255, 250-269.	2.8	38
18	Statistics of football dynamics. <i>European Physical Journal B</i> , 2007, 57, 357-363.	1.5	29

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19	Threshold $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:mi>q\langle /mml:mi>\langle /mml:math>$ -voter model. Physical Review E, 2018, 97, 052106.	2.1	29
20	Scaling laws for the largest Lyapunov exponent in long-range systems: A random matrix approach. Physical Review E, 2001, 65, 016210.	2.1	27
21	Additive-multiplicative stochastic models of financial mean-reverting processes. Physical Review E, 2005, 72, 026106.	2.1	27
22	Poissonian bursts in e-mail correspondence. European Physical Journal B, 2010, 75, 389-394.	1.5	27
23	Chaos synchronization in long-range coupled map lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 227-233.	2.1	26
24	Intermingled basins in coupled Lorenz systems. Physical Review E, 2012, 85, 036207.	2.1	26
25	Role of the range of the interactions in thermal conduction. Physical Review E, 2016, 94, 042117.	2.1	26
26	Enhancement of thermal entanglement in two-qubit XY models. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, 73-76.	1.4	25
27	Thermodynamical fingerprints of fractal spectra. Physical Review E, 1998, 58, 4134-4140.	2.1	23
28	Dynamics of heme complexed with human serum albumin: a theoretical approach. European Biophysics Journal, 2012, 41, 1033-1042.	2.2	22
29	Interaction of Dibucaine with the Transmembrane Domain of the Ca ²⁺ -ATPase of Sarcoplasmic Reticulum. Biochemistry, 1994, 33, 12283-12290.	2.5	19
30	Consequences of nonconformist behaviors in a continuous opinion model. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 023204.	2.3	19
31	Symmetry breaking by heating in a continuous opinion model. Physical Review E, 2017, 95, 042308.	2.1	19
32	Pair approximation for the noisy threshold $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:mi>q\langle /mml:mi>\langle /mml:math>$ -voter model. Physical Review E, 2020, 101, 052131.	2.1	19
33	Theoretical estimates for the largest Lyapunov exponent of many-particle systems. Physical Review E, 2002, 66, 021110.	2.1	18
34	Non-extensive random walks. Physica A: Statistical Mechanics and Its Applications, 2005, 358, 289-298.	2.6	18
35	Carboxyl groups at the membrane interface as molecular targets for local anesthetics. Biophysical Chemistry, 1998, 74, 35-43.	2.8	17
36	Arbitrary-order corrections for finite-time drift and diffusion coefficients. Physical Review E, 2009, 80, 031103.	2.1	16

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37	Bridging stylized facts in finance and data non-stationarities. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	16
38	Metapopulation dynamics in a complex ecological landscape. <i>Physical Review E</i> , 2015, 92, 022714.	2.1	16
39	A generalized approach for atomic force microscopy image restoration with bregman distances as tikhonov regularization terms*. <i>Inverse Problems in Science and Engineering</i> , 2000, 8, 457-472.	0.5	15
40	Molecular Modeling and Dynamics of the Sodium Channel Inactivation Gate. <i>Biophysical Journal</i> , 2002, 82, 1207-1215.	0.5	15
41	Separable-entangled frontier in a bipartite harmonic system. <i>European Physical Journal B</i> , 2002, 29, 605-611.	1.5	15
42	Statistics of finite-time Lyapunov exponents in the Ulam map. <i>Physical Review E</i> , 2004, 69, 016207.	2.1	15
43	Critical Scaling in Standard Biased Random Walks. <i>Physical Review Letters</i> , 2007, 99, 180602.	7.8	15
44	Nonlinear diffusion effects on biological population spatial patterns. <i>Physical Review E</i> , 2012, 86, 036215.	2.1	14
45	Role of the plurality rule in multiple choices. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016, 2016, 023405.	2.3	14
46	Quasistationary trajectories of the mean-field XY Hamiltonian model: A topological perspective. <i>Physical Review E</i> , 2005, 71, 036148.	2.1	13
47	Nonlinear population dynamics in a bounded habitat. <i>Journal of Theoretical Biology</i> , 2018, 446, 11-18.	1.7	13
48	Brazilian physicists community diversity, equity, and inclusion: A first diagnostic. <i>Physical Review Physics Education Research</i> , 2020, 16, .	2.9	13
49	Synchronization threshold in coupled logistic map lattices. <i>Physica D: Nonlinear Phenomena</i> , 2006, 223, 270-275.	2.8	12
50	Exact results for the Barabási queuing model. <i>Physical Review E</i> , 2009, 80, 041131.	2.1	12
51	Hydration of hydrophobic biological porphyrins. <i>Journal of Chemical Physics</i> , 2011, 134, 055103.	3.0	12
52	Critical patch size reduction by heterogeneous diffusion. <i>Physical Review E</i> , 2020, 102, 042139.	2.1	12
53	Statistical mixing and aggregation in Feller diffusion. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P10023.	2.3	11
54	Nonparametric segmentation of nonstationary time series. <i>Physical Review E</i> , 2011, 84, 046702.	2.1	11

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55	Regularized Boltzmann-Gibbs statistics for a Brownian particle in a nonconfining field. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
56	Long-Scale Evolution of Thin Liquid Films Bounded by a Viscous Phase with Diffusing Charged Surfactants. <i>Journal of Colloid and Interface Science</i> , 2001, 244, 303-312.	9.4	10
57	Vlasov stability of the Hamiltonian mean field model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 383-392.	2.6	10
58	Relaxation and aging in a long-range interacting system. <i>Europhysics News</i> , 2005, 36, 194-197.	0.3	10
59	Low-sampling-rate Kramers-Moyal coefficients. <i>Physical Review E</i> , 2010, 82, 041122.	2.1	10
60	Stylized Facts in Brazilian Vote Distributions. <i>PLoS ONE</i> , 2015, 10, e0137732.	2.5	10
61	Long-time behavior of spreading solutions of Schrödinger and diffusion equations. <i>Physical Review E</i> , 2006, 73, 051105.	2.1	9
62	Complex dynamics of life at different scales: from genomic to global environmental issues. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5561-5568.	3.4	9
63	Short-time dynamics of finite-size mean-field systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P07026.	2.3	9
64	Generalized Lyapunov exponents of the random harmonic oscillator: Cumulant expansion approach. <i>Physical Review E</i> , 2012, 85, 021124.	2.1	9
65	Effect of environment fluctuations on pattern formation of single species. <i>Physical Review E</i> , 2014, 90, 012813.	2.1	9
66	Nonextensive scaling in a long-range Hamiltonian system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 342, 112-118.	2.6	8
67	Largest Lyapunov exponent of long-range XY systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 178-186.	2.6	8
68	Power-law distributions in economics: a nonextensive statistical approach (Invited Paper). , 2005, , .		8
69	Stock index dynamics worldwide: a comparative analysis. <i>European Physical Journal B</i> , 2008, 65, 289-294.	1.5	8
70	Imperfect bifurcations in opinion dynamics under external fields. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 024002.	2.3	8
71	Interaction of chlorpromazine with phospholipid membranes. <i>European Biophysics Journal</i> , 1995, 23, 447-52.	2.2	7
72	Lyapunov exponent of many-particle systems: Testing the stochastic approach. <i>Physical Review E</i> , 2003, 68, 036120.	2.1	7

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73	Brownian motors in nonlinear diffusive media. <i>Physical Review E</i> , 2007, 76, 021102.	2.1	7
74	Measurable inhomogeneities in stock trading volume flow. <i>Europhysics Letters</i> , 2008, 83, 30003.	2.0	7
75	Impact of rough potentials in rocked ratchet performance. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 495, 114-125.	2.6	7
76	Random diffusivity scenarios behind anomalous non-Gaussian diffusion. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111422.	5.1	7
77	Sleep Apnea-Hypopnea Quantification by Cardiovascular Data Analysis. <i>PLoS ONE</i> , 2014, 9, e107581.	2.5	7
78	Interplay between scales in the nonlocal FKPP equation. <i>Chaos, Solitons and Fractals</i> , 2021, 153, 111609.	5.1	7
79	From short to fat tails in financial markets: a unified description. <i>European Physical Journal B</i> , 2007, 60, 385-389.	1.5	6
80	Nonlinear Dynamics of Lipid Films under Electric Forces. <i>Journal of Colloid and Interface Science</i> , 1997, 187, 313-326.	9.4	5
81	Entropy production in the cyclic lattice Lotka-Volterra model. <i>European Physical Journal B</i> , 2004, 42, 271-277.	1.5	5
82	Solvation of anionic water-soluble porphyrins: A computational study. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 2094-2100.	2.0	5
83	Validation of drift and diffusion coefficients from experimental data. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P04020.	2.3	5
84	Nonlinear dynamics in meso and nano scales: fundamental aspects and applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 245-259.	3.4	5
85	Landscape-induced spatial oscillations in population dynamics. <i>Scientific Reports</i> , 2021, 11, 3470.	3.3	5
86	Analytical results for a minimalist thermal diode. <i>Physical Review E</i> , 2021, 104, 014106.	2.1	5
87	Complete synchronization equivalence in asynchronous and delayed coupled maps. <i>Physical Review E</i> , 2016, 93, 052230.	2.1	4
88	A física da UFSC em números: evasão e gênero. <i>Caderno Brasileiro De Ensino De Física</i> , 2018, 35, 324-336.	0.1	4
89	Single-species fragmentation: The role of density-dependent feedback. <i>Physical Review E</i> , 2019, 99, 062225.	2.1	4
90	Non-Normalizable Quasi-Equilibrium Solution of the Fokker-Planck Equation for Nonconfining Fields. <i>Entropy</i> , 2021, 23, 131.	2.2	4

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91	Heat flux in chains of nonlocally coupled harmonic oscillators: Mean-field limit. <i>Physical Review E</i> , 2022, 105, .	2.1	4
92	Random degree-degree correlated networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P02024.	2.3	3
93	Population dynamics in an intermittent refuge. <i>Physical Review E</i> , 2016, 94, 042413.	2.1	3
94	Importance sampling with imperfect cloning for the computation of generalized Lyapunov exponents. <i>Physical Review E</i> , 2017, 96, 062209.	2.1	3
95	Impact of network randomness on multiple opinion dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 506, 197-207.	2.6	3
96	Heat flux direction controlled by power-law oscillators under non-Gaussian fluctuations. <i>Physical Review E</i> , 2019, 100, 032118.	2.1	3
97	Interaction of alkanols and local anesthetics with spin-labeled Ca ²⁺ -ATPase of sarcoplasmic reticulum vesicles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1281, 150-156.	2.6	2
98	Convection cells in thin electrolytic films. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 283, 243-249.	2.6	2
99	Lyapunov exponent of the random frequency oscillator: cumulant expansion approach. <i>Journal of Physics: Conference Series</i> , 2010, 246, 012002.	0.4	2
100	World Pendulum Alliance. , 2019, , .		2
101	Statistical Patterns in Movie Rating Behavior. <i>PLoS ONE</i> , 2015, 10, e0136083.	2.5	2
102	A model for nucleotide sequences. <i>Biophysical Journal</i> , 1995, 69, 1708-1711.	0.5	1
103	Topological aspects of a long-range model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 135-138.	2.6	1
104	Diminished heart beat non-stationarities in congestive heart failure. <i>Frontiers in Physiology</i> , 2013, 4, 107.	2.8	1
105	From synchronous to one-time delayed dynamics in coupled maps. <i>Physical Review E</i> , 2017, 95, 062213.	2.1	1
106	Complete synchronization of chaotic maps under advection. <i>Physical Review E</i> , 2018, 98, .	2.1	1
107	Cavity size distribution in lattice liquids. <i>Physical Review E</i> , 1995, 52, 6321-6324.	2.1	0
108	Prototype for time correlation effects: analytical results. <i>Journal of Physics A</i> , 1996, 29, 6151-6160.	1.6	0

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109	Quantification of heart beat nonstationarities by nonparametric segmentation. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
110	VLASOV ANALYSIS OF RELAXATION AND META-EQUILIBRIUM. , 2005, , .		0
111	XI Latin American Workshop on Nonlinear Phenomena. Journal of Physics: Conference Series, 2010, 246, 011001.	0.4	0