

Raul Toral

List of Publications by Year in descending order

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227
papers

7,385
citations

44069

48
h-index

69250

77
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228
all docs

228
docs citations

228
times ranked

3639
citing authors

#	ARTICLE	IF	CITATIONS
1	Noise-Induced Nonequilibrium Phase Transition. <i>Physical Review Letters</i> , 1994, 73, 3395-3398.	7.8	415
2	Nonequilibrium phase transitions induced by multiplicative noise. <i>Physical Review E</i> , 1997, 55, 4084-4094.	2.1	232
3	Description of stochastic and chaotic series using visibility graphs. <i>Physical Review E</i> , 2010, 82, 036120.	2.1	212
4	Diversity-Induced Resonance. <i>Physical Review Letters</i> , 2006, 97, 194101.	7.8	202
5	Analysis and characterization of the hyperchaos generated by a semiconductor laser subject to a delayed feedback loop. <i>IEEE Journal of Quantum Electronics</i> , 2005, 41, 541-548.	1.9	194
6	Effective Markovian approximation for non-Gaussian noises: a path integral approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 303, 91-104.	2.6	187
7	Enhancement of stochastic resonance: the role of non Gaussian noises. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 295, 114-122.	2.6	179
8	Classical statistical mechanics of the sine-Gordon and ϕ^4 chains. Static properties. <i>Physical Review B</i> , 1980, 22, 5317-5338.	3.2	169
9	Nonequilibrium transitions in complex networks: A model of social interaction. <i>Physical Review E</i> , 2003, 67, 026120.	2.1	169
10	Density profile of terminally anchored polymer chains: a Monte Carlo study. <i>Macromolecules</i> , 1990, 23, 2016-2021.	4.8	159
11	Global culture: A noise-induced transition in finite systems. <i>Physical Review E</i> , 2003, 67, 045101.	2.1	146
12	Analytical and numerical studies of noise-induced synchronization of chaotic systems. <i>Chaos</i> , 2001, 11, 665-673.	2.5	140
13	Effect of non-Gaussian noise sources in a noise-induced transition. <i>Physica D: Nonlinear Phenomena</i> , 2004, 193, 161-168.	2.8	125
14	System size coherence resonance in coupled FitzHugh-Nagumo models. <i>Europhysics Letters</i> , 2003, 61, 162-167.	2.0	111
15	The noisy voter model on complex networks. <i>Scientific Reports</i> , 2016, 6, 24775.	3.3	100
16	Numerical Study of the Cahn-Hilliard Equation in Three Dimensions. <i>Physical Review Letters</i> , 1988, 60, 2311-2314.	7.8	95
17	Stochastic Effects in Physical Systems. <i>Nonlinear Phenomena and Complex Systems</i> , 2000, , 35-127.	0.0	92
18	Disordering Effects of Color in Nonequilibrium Phase Transitions Induced by Multiplicative Noise. <i>Physical Review Letters</i> , 1997, 79, 2389-2393.	7.8	84

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19	Anticipating the Response of Excitable Systems Driven by Random Forcing. Physical Review Letters, 2003, 90, 204102.	7.8	79
20	Simulating non-Markovian stochastic processes. Physical Review E, 2014, 90, 042108.	2.1	79
21	Late stages of spinodal decomposition in a three-dimensional model system. Physical Review B, 1989, 39, 4386-4394.	3.2	77
22	COOPERATIVE PARRONDO'S GAMES. Fluctuation and Noise Letters, 2001, 01, L7-L12.	1.5	75
23	Neighborhood models of minority opinion spreading. European Physical Journal B, 2004, 39, 535-544.	1.5	75
24	Theory of collective firing induced by noise or diversity in excitable media. Physical Review E, 2007, 75, 016203.	2.1	75
25	Coherence resonance in chaotic systems. Europhysics Letters, 2001, 56, 347-353.	2.0	74
26	Accurate estimate of $\ln 2$ for the three-dimensional Ising model from a numerical measurement of its partition function. Physical Review Letters, 1987, 59, 803-806.	7.8	72
27	Binary and Multivariate Stochastic Models of Consensus Formation. Computing in Science and Engineering, 2005, 7, 67-73.	1.2	72
28	Dynamics of phase separation in a binary polymer blend of critical composition. Journal of Chemical Physics, 1990, 92, 6899-6909.	3.0	71
29	Late-stage coarsening for off-critical quenches: Scaling functions and the growth law. Physical Review E, 1993, 47, 3025-3038.	2.1	71
30	Globalization, polarization and cultural drift. Journal of Economic Dynamics and Control, 2005, 29, 321-334.	1.6	70
31	Role of dimensionality in Axelrod's model for the dissemination of culture. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 1-5.	2.6	69
32	The noisy Hegselmann-Krause model for opinion dynamics. European Physical Journal B, 2013, 86, 1.	1.5	64
33	Stochastic Effects in Intercellular Calcium Spiking in Hepatocytes. Journal of Theoretical Biology, 2001, 212, 111-125.	1.7	63
34	Noisy continuous-opinion dynamics. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P08001.	2.3	60
35	Spinodal decomposition in polymer mixtures. Physical Review Letters, 1989, 63, 2072-2075.	7.8	56
36	CAPITAL REDISTRIBUTION BRINGS WEALTH BY PARRONDO'S PARADOX. Fluctuation and Noise Letters, 2002, 02, L305-L311.	1.5	56

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37	Mass media and repulsive interactions in continuous-opinion dynamics. <i>Europhysics Letters</i> , 2010, 91, 48003.	2.0	56
38	Analytical and numerical study of the non-linear noisy voter model on complex networks. <i>Chaos</i> , 2018, 28, 075516.	2.5	56
39	Intensity correlation functions for the colored gain-noise model of dye lasers. <i>Physical Review A</i> , 1990, 42, 6823-6830.	2.5	55
40	Nonequilibrium phase transitions induced by multiplicative noise: Effects of self-correlation. <i>Physical Review E</i> , 2000, 61, 223-232.	2.1	55
41	Nonuniversal Results Induced by Diversity Distribution in Coupled Excitable Systems. <i>Physical Review Letters</i> , 2010, 105, 084101.	7.8	55
42	Characterization of the anticipated synchronization regime in the coupled FitzHugh-Nagumo model for neurons. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 325, 192-198.	2.6	52
43	Dynamical Mechanism of Anticipating Synchronization in Excitable Systems. <i>Physical Review Letters</i> , 2004, 93, 114102.	7.8	51
44	The Role of Noise and Initial Conditions in the Asymptotic Solution of a Bounded Confidence, Continuous-Opinion Model. <i>Journal of Statistical Physics</i> , 2013, 151, 131-149.	1.2	51
45	Zealots in the mean-field noisy voter model. <i>Physical Review E</i> , 2018, 97, 012310.	2.1	51
46	Numerical determination of the phase diagram for the ϕ^4 model in two dimensions. <i>Physical Review B</i> , 1990, 42, 2445-2454.	3.2	50
47	Domain growth in binary mixtures at low temperatures. <i>Physical Review B</i> , 1992, 45, 5276-5281.	3.2	50
48	Generation of Gaussian distributed random numbers by using a numerical inversion method. <i>Computer Physics Communications</i> , 1993, 74, 327-334.	7.5	50
49	Self-similar domain growth, localized structures, and labyrinthine patterns in vectorial Kerr resonators. <i>Physical Review E</i> , 2000, 61, 2241-2244.	2.1	50
50	Monte Carlo study of polymer chains end-grafted onto a spherical interface. <i>Physical Review E</i> , 1993, 47, 4240-4246.	2.1	48
51	Synchronization and entrainment of coupled circadian oscillators. <i>Interface Focus</i> , 2011, 1, 167-176.	3.0	48
52	Noise-Induced Scenario for Inverted Phase Diagrams. <i>Physical Review Letters</i> , 2001, 87, .	7.8	47
53	On the definition of physical temperature and pressure for nonextensive thermostatistics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 317, 209-212.	2.6	47
54	Numerical study of the dynamical aspects of pattern selection in the stochastic Swift-Hohenberg equation in one dimension. <i>Physical Review A</i> , 1991, 44, 1123-1133.	2.5	43

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55	System size stochastic resonance in a model for opinion formation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 351, 106-116.	2.6	40
56	Exact solution of Ising model on a small-world network. <i>Physical Review E</i> , 2004, 70, 026112.	2.1	39
57	Effect of the morphology of patterns on the scaling functions: Off-critical quenches. <i>Physical Review B</i> , 1989, 39, 901-904.	3.2	38
58	Diffusing opinions in bounded confidence processes. <i>European Physical Journal D</i> , 2011, 62, 109-117.	1.3	36
59	Microphase separation in block copolymers. <i>Physical Review Letters</i> , 1989, 63, 2661-2664.	7.8	34
60	Phase separation driven by external fluctuations. <i>Europhysics Letters</i> , 1998, 42, 125-130.	2.0	34
61	Scaling Laws for a System with Long-Range Interactions within Tsallis Statistics. <i>Physical Review Letters</i> , 1999, 83, 4233-4236.	7.8	34
62	Class-Alasers with injected signal: Bifurcation set and Lyapunov potential function. <i>Physical Review A</i> , 2002, 66, .	2.5	34
63	Competition of simple and complex adoption on interdependent networks. <i>Physical Review E</i> , 2016, 94, 062301.	2.1	34
64	Stochastic pair approximation treatment of the noisy voter model. <i>New Journal of Physics</i> , 2018, 20, 103045.	2.9	34
65	Domain growth in the two-dimensional time-dependent Ginzburg-Landau model in the presence of a random magnetic field. <i>Physical Review B</i> , 1990, 42, 704-708.	3.2	33
66	Stochastic Spatiotemporal Intermittency and Noise-Induced Transition to an Absorbing Phase. <i>Physical Review Letters</i> , 2000, 85, 3612-3615.	7.8	33
67	Anticipated synchronization: A metaphorical linear view. <i>Chaos</i> , 2004, 14, 7-13.	2.5	32
68	Discrete time ratchets, the Fokker-Planck equation and Parrondo's paradox. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2004, 460, 2269-2284.	2.1	32
69	Collective effects induced by diversity in extended systems. <i>European Physical Journal: Special Topics</i> , 2007, 143, 59-67.	2.6	31
70	Numerical study of a model for interface growth. <i>Physical Review B</i> , 1989, 40, 11419-11421.	3.2	30
71	Markets, Herding and Response to External Information. <i>PLoS ONE</i> , 2015, 10, e0133287.	2.5	30
72	Diversity-induced resonance in a model for opinion formation. <i>European Physical Journal B</i> , 2009, 71, 549-555.	1.5	29

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73	Extensive chaos in the Nikolaevskii model. <i>Physical Review E</i> , 2000, 62, R17-R20.	2.1	28
74	Experimental study of stochastic resonance in a Chua's circuit operating in a chaotic regime. <i>Physica D: Nonlinear Phenomena</i> , 2006, 219, 93-100.	2.8	28
75	Noise-induced phase separation: Mean-field results. <i>Physical Review E</i> , 1999, 60, 3597-3605.	2.1	27
76	Pair Interaction between End-Grafted Polymers onto Spherical Surfaces: A Monte Carlo Study. <i>Macromolecules</i> , 2003, 36, 1407-1413.	4.8	27
77	Exact solution of a stochastic protein dynamics model with delayed degradation. <i>Physical Review E</i> , 2011, 84, 051121.	2.1	27
78	The noisy voter model under the influence of contrarians. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 515, 81-92.	2.6	27
79	Structure of polymer chains end-grafted on an interacting surface. <i>Physical Review A</i> , 1992, 46, 4930-4934.	2.5	26
80	Fluctuations and pattern selection near an Eckhaus instability. <i>Physical Review Letters</i> , 1993, 70, 3576-3579.	7.8	26
81	Forces between polymer brushes: Monte Carlo simulation of a continuous-space model. <i>Physical Review E</i> , 1994, 50, 343-348.	2.1	26
82	STOCHASTIC RESONANCE IN BISTABLE AND EXCITABLE SYSTEMS: EFFECT OF NON-GAUSSIAN NOISES. <i>Fluctuation and Noise Letters</i> , 2003, 03, L365-L371.	1.5	26
83	Interpenetrations in polymer brushes. <i>Journal of Chemical Physics</i> , 1994, 100, 748-749.	3.0	25
84	Parrondo's games as a discrete ratchet. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 105-110.	2.6	25
85	Predict-prevent control method for perturbed excitable systems. <i>Physical Review E</i> , 2009, 79, 046203.	2.1	24
86	The constructive role of diversity in the global response of coupled neuron systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5619-5632.	3.4	24
87	Large scale simulations of the two-dimensional Cahn-Hilliard model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 213, 41-49.	2.6	23
88	First-passage distributions for the one-dimensional Fokker-Planck equation. <i>Physical Review E</i> , 2018, 98, .	2.1	23
89	Simulated Annealing Using Hybrid Monte Carlo. <i>Journal of Statistical Physics</i> , 1997, 89, 1047-1060.	1.2	22
90	Ordering dynamics in the voter model with aging. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 552, 122475.	2.6	22

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91	Numerical Studies of Phase Separation in Models of Binary Alloys and Polymer Blends. Physica Scripta, 1990, T33, 12-19.	2.5	21
92	Aging-induced continuous phase transition. Physical Review E, 2018, 98, .	2.1	21
93	Scaling behavior of a model of block copolymers in three dimensions. Physical Review A, 1991, 44, 6503-6507.	2.5	20
94	Resonance induced by repulsive interactions in a model of globally coupled bistable systems. Physical Review E, 2010, 81, 041103.	2.1	20
95	A continuous-time persistent random walk model for flocking. Chaos, 2018, 28, 075507.	2.5	20
96	Equilibrium cluster distributions of the three-dimensional Ising model in the one phase region. Physica A: Statistical Mechanics and Its Applications, 1983, 122, 563-586.	2.6	19
97	Approach to the ground state in disordered magnetic systems: Simulated annealing study. Physical Review B, 1989, 39, 542-545.	3.2	19
98	Approach to predictability via anticipated synchronization. Physical Review E, 2005, 72, 046218.	2.1	19
99	Role of delay in the stochastic creation process. Physical Review E, 2011, 84, 021128.	2.1	19
100	Pair approximation for the noisy threshold q -voter model. Physical Review E, 2020, 101, 052131.	2.1	19
101	Crossover and finite-size effects in the (1+1)-dimensional Kardar-Parisi-Zhang equation. Journal of Statistical Physics, 1993, 70, 703-720.	1.2	18
102	Effects of domain morphology in phase-separation dynamics at low temperature. Physical Review B, 1993, 48, 6854-6857.	3.2	18
103	Dynamical scaling of fractal aggregates in dense colloidal solutions. Physical Review E, 1994, 50, R3330-R3333.	2.1	18
104	Experimental study of high frequency stochastic resonance in Chua circuits. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 115-119.	2.6	18
105	On the effect of heterogeneity in stochastic interacting-particle systems. Scientific Reports, 2013, 3, 1189.	3.3	18
106	Suppression of deterministic and stochastic extreme desynchronization events using anticipated synchronization. Physical Review E, 2014, 89, 012921.	2.1	18
107	Absorbing phase transition in the coupled dynamics of node and link states in random networks. Scientific Reports, 2019, 9, 9726.	3.3	18
108	Reversible aggregation in self-associating polymer systems. Physical Review E, 1994, 50, 2967-2976.	2.1	17

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109	Transition from oscillatory to excitable regime in a system forced at three times its natural frequency. <i>Physical Review E</i> , 2001, 64, 056218.	2.1	17
110	COUPLING AND FEEDBACK EFFECTS IN EXCITABLE SYSTEMS: ANTICIPATED SYNCHRONIZATION. <i>Modern Physics Letters B</i> , 2004, 18, 1135-1155.	1.9	17
111	Anticipated synchronization and the predict-prevent control method in the FitzHugh-Nagumo model system. <i>Physical Review E</i> , 2012, 85, 056216.	2.1	17
112	Diversity and Noise Effects in a Model of Homeostatic Regulation of the Sleep-Wake Cycle. <i>PLoS Computational Biology</i> , 2012, 8, e1002650.	3.2	17
113	Computer simulation of the aggregation process in self-associating polymer and surfactant systems. <i>Journal of Chemical Physics</i> , 1989, 91, 5687-5693.	3.0	16
114	Dynamics and scaling of noise-induced domain growth. <i>European Physical Journal B</i> , 2000, 18, 663-673.	1.5	15
115	Truels, or Survival of the Weakest. <i>Computing in Science and Engineering</i> , 2006, 8, 88-95.	1.2	15
116	Global firing induced by network disorder in ensembles of active rotators. <i>European Physical Journal B</i> , 2008, 62, 319-326.	1.5	15
117	Divide and conquer: resonance induced by competitive interactions. <i>European Physical Journal B</i> , 2009, 67, 329-336.	1.5	15
118	Herding and idiosyncratic choices: Nonlinearity and aging-induced transitions in the noisy voter model. <i>Comptes Rendus Physique</i> , 2019, 20, 262-274.	0.9	15
119	Scaling of the Excess Energy in Thermodynamically Unstable Solutions. <i>Physical Review Letters</i> , 1985, 54, 1424-1427.	7.8	14
120	Droplet distribution for the two-dimensional Cahn-Hilliard model: Comparison of theory with large-scale simulations. <i>Physical Review A</i> , 1992, 45, R2147-R2150.	2.5	14
121	Coherence resonance in chaotic electronic circuits. <i>Electronics Letters</i> , 2001, 37, 1062.	1.0	14
122	Theory of main resonances in directly modulated diode lasers. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 260-269.	1.9	14
123	Optimized multicanonical simulations: A proposal based on classical fluctuation theory. <i>Physical Review E</i> , 2006, 74, 046702.	2.1	14
124	External noise-induced phenomena in CO oxidation on single crystal surfaces. <i>Journal of Chemical Physics</i> , 2009, 130, 124704.	3.0	14
125	Coupled dynamics of node and link states in complex networks: a model for language competition. <i>New Journal of Physics</i> , 2016, 18, 113056.	2.9	14
126	Fragmentation transition in a coevolving network with link-state dynamics. <i>Physical Review E</i> , 2014, 89, 062802.	2.1	13

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127	Binary-state dynamics on complex networks: Stochastic pair approximation and beyond. <i>Physical Review Research</i> , 2020, 2, .	3.6	13
128	Noise and pattern selection in the one-dimensional Swift-Hohenberg equation. <i>Physica D: Nonlinear Phenomena</i> , 1992, 61, 159-165.	2.8	12
129	DIVERSITY-INDUCED RESONANCE IN A SYSTEM OF GLOBALLY COUPLED LINEAR OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 3499-3508.	1.7	12
130	Computational field theory and pattern formation. , 1995, , 1-65.		12
131	Thermostatistics of extensive and non-extensive systems using generalized entropies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 290, 159-191.	2.6	11
132	Apparent phase transitions in finite one-dimensional sine-Gordon lattices. <i>Physical Review E</i> , 2003, 67, 046108.	2.1	11
133	Noise-induced inhibitory suppression of frequency-selective stochastic resonance. <i>Physical Review E</i> , 2006, 74, 046220.	2.1	11
134	RED: A Set of Molecular Descriptors Based on Rényi Entropy. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2457-2468.	5.4	11
135	Anticipated synchronization in coupled complex Ginzburg-Landau systems. <i>Physical Review E</i> , 2015, 92, 032911.	2.1	11
136	Numerical study of a Langevin model for the growth of wetting layers. <i>Physical Review B</i> , 1991, 43, 3438-3442.	3.2	10
137	Hybrid Monte Carlo method for conserved-order-parameter systems. <i>Physical Review E</i> , 1993, 47, R3848-R3851.	2.1	10
138	Phase Behavior of Binary Fluid Mixtures Confined in a Model Aerogel. <i>Journal of Sol-Gel Science and Technology</i> , 1999, 15, 175-181.	2.4	10
139	Derivation of amplitude equations for nonlinear oscillators subject to arbitrary forcing. <i>Physical Review E</i> , 2004, 69, 066141.	2.1	10
140	Coherent regimes of mutually coupled Chua's circuits. <i>Physical Review E</i> , 2006, 73, 036203.	2.1	10
141	Reversals of chance in paradoxical games. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 641-648.	2.6	10
142	On the Gaussian Approximation for Master Equations. <i>Journal of Statistical Physics</i> , 2010, 140, 917-933.	1.2	10
143	Weighted-ensemble Brownian dynamics simulation: Sampling of rare events in nonequilibrium systems. <i>Physical Review E</i> , 2013, 87, 063311.	2.1	10
144	Phase transitions in persistent and run-and-tumble walks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 552, 121934.	2.6	10

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145	Reduction from non-Markovian to Markovian dynamics: the case of aging in the noisy-voter model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 024004.	2.3	10
146	Squeezing resulting from a fourth-order interaction in a degenerate parametric amplifier with absorption losses. <i>Physical Review A</i> , 1991, 43, 4923-4929.	2.5	9
147	Reversible aggregation in an off-lattice particle-coalescence model: Dynamical and steady-state scaling behavior. <i>Physical Review A</i> , 1992, 46, 2039-2044.	2.5	9
148	Constructive effects of diversity in a multi-neuron model of the homeostatic regulation of the sleep-wake cycle. <i>Chaos, Solitons and Fractals</i> , 2015, 81, 567-574.	5.1	9
149	Absorbing-state transition in a coevolution model with node and link states in an adaptive network: network fragmentation transition at criticality. <i>New Journal of Physics</i> , 2020, 22, 113001.	2.9	9
150	Finite-size scaling study of the equilibrium cluster distribution of the two-dimensional Ising model. <i>Journal of Physics A</i> , 1987, 20, 4949-4965.	1.6	8
151	Wavelet description of the Nikolaevskii model. <i>Journal of Physics A</i> , 2003, 36, 1323-1335.	1.6	8
152	Spherical brushes within spherical cavities: A self-consistent field and Monte Carlo study. <i>Journal of Chemical Physics</i> , 2009, 131, 134901.	3.0	8
153	Phase transitions induced by microscopic disorder: A study based on the order parameter expansion. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 1827-1833.	2.8	8
154	Critical behavior of a Ginzburg-Landau model with additive quenched noise. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P12008.	2.3	8
155	Noise-induced transitions vs. noise-induced phase transitions. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	8
156	Stochastic description of delayed systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120458.	3.4	8
157	Stochastic thermodynamics for linear kinetic equations. <i>Physical Review E</i> , 2015, 92, 012127.	2.1	8
158	Impact of surface interactions on the phase behavior of Y-shaped molecules. <i>Thin Solid Films</i> , 2015, 597, 188-192.	1.8	8
159	System-size expansion of the moments of a master equation. <i>Chaos</i> , 2018, 28, 106303.	2.5	8
160	Volume-fraction dependence of scaling functions in phase-separation processes of binary mixtures. <i>Physical Review B</i> , 1991, 44, 12133-12136.	3.2	7
161	The phase diagram of the Flory-Huggins-de Gennes model of a binary polymer blend. <i>Journal of Statistical Physics</i> , 1994, 77, 473-489.	1.2	7
162	Fronts, domain growth, and dynamical scaling in $d=1$ nonpotential system. <i>Physical Review E</i> , 1998, 58, 3125-3134.	2.1	7

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163	A Fokker-Planck description for Parrondo's games. , 2003, , .		7
164	On the Nonextensivity of the Long Range X-Y Model. Journal of Statistical Physics, 2004, 114, 1393-1398.	1.2	7
165	Distribution of winners in truel games. AIP Conference Proceedings, 2005, , .	0.4	7
166	Ensemble equivalence for non-Boltzmannian distributions. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 85-90.	2.6	7
167	Synchronisation Induced by Repulsive Interactions in a System of van der Pol Oscillators. Progress of Theoretical Physics, 2011, 126, 353-368.	2.0	7
168	Synchronization of coupled noisy oscillators: Coarse graining from continuous to discrete phases. Physical Review E, 2016, 94, 052219.	2.1	7
169	Introduction to the chaos focus issue on the dynamics of social systems. Chaos, 2020, 30, 120401.	2.5	7
170	Cluster kinetics in the lattice gas model: the Becker-Doring type of equations. Journal of Physics C: Solid State Physics, 1987, 20, 2491-2500.	1.5	6
171	Fractal structure of silica colloids revisited. Journal of Physics A, 1996, 29, 533-540.	1.6	6
172	Lyapunov-potential description for laser dynamics. Physical Review A, 1999, 59, 4690-4698.	2.5	6
173	Weakly nonextensive thermostatistics and the Ising model with long-range interactions. European Physical Journal B, 2000, 17, 679-688.	1.5	6
174	Main resonances in directly modulated semiconductor lasers: effect of spontaneous emission and gain saturation. IEE Proceedings: Optoelectronics, 2001, 148, 41-45.	0.8	6
175	Numerical determination of the distribution of energies for the XY-model. Physica A: Statistical Mechanics and Its Applications, 2002, 305, 144-147.	2.6	6
176	Analysis and characterization of the hyperchaos generated by a semiconductor laser subject to a delay feedback loop. , 2003, , .		6
177	Order parameter expansion and finite-size scaling study of coherent dynamics induced by quenched noise in the active rotator model. Physical Review E, 2010, 82, 051127.	2.1	6
178	Biased-voter model: How persuasive a small group can be?. Chaos, Solitons and Fractals, 2022, 161, 112363.	5.1	6
179	Critical and finite-size-scaling behaviours of short-range order parameters. Journal of Physics Condensed Matter, 1989, 1, 8147-8154.	1.8	5
180	Transient behavior of a parametric amplifier with an added fourth-order interaction. Physical Review A, 1992, 45, 3216-3223.	2.5	5

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