

Raul Toral

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8160981/publications.pdf>

Version: 2024-02-01

227
papers

7,385
citations

44069

48
h-index

69250

77
g-index

228
all docs

228
docs citations

228
times ranked

3639
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum consensus dynamics by entangling Maxwell demon. <i>New Journal of Physics</i> , 2022, 24, 033028.	2.9	2
2	Sampling rare trajectories using stochastic bridges. <i>Physical Review E</i> , 2022, 105, .	2.1	2
3	Biased-voter model: How persuasive a small group can be?. <i>Chaos, Solitons and Fractals</i> , 2022, 161, 112363.	5.1	6
4	Ordering dynamics in the voter model with aging. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 552, 122475.	2.6	22
5	Phase transitions in persistent and run-and-tumble walks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 552, 121934.	2.6	10
6	Introduction to the chaos focus issue on the dynamics of social systems. <i>Chaos</i> , 2020, 30, 120401.	2.5	7
7	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
8	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
9	Pair approximation for the noisy threshold q -voter model. <i>Physical Review E</i> , 2020, 101, 052131.	2.1	19
10	Binary-state dynamics on complex networks: Stochastic pair approximation and beyond. <i>Physical Review Research</i> , 2020, 2, .	3.6	13
11	Absorbing phase transition in the coupled dynamics of node and link states in random networks. <i>Scientific Reports</i> , 2019, 9, 9726.	3.3	18
12	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
13	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
14	Zealots in the mean-field noisy voter model. <i>Physical Review E</i> , 2018, 97, 012310.	2.1	51
15	Stochastic pair approximation treatment of the noisy voter model. <i>New Journal of Physics</i> , 2018, 20, 103045.	2.9	34
16	First-passage distributions for the one-dimensional Fokker-Planck equation. <i>Physical Review E</i> , 2018, 98, .	2.1	23
17	Aging-induced continuous phase transition. <i>Physical Review E</i> , 2018, 98, .	2.1	21
18	System-size expansion of the moments of a master equation. <i>Chaos</i> , 2018, 28, 106303.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Analytical and numerical study of the non-linear noisy voter model on complex networks. Chaos, 2018, 28, 075516.	2.5	56
20	A continuous-time persistent random walk model for flocking. Chaos, 2018, 28, 075507.	2.5	20
21	Modulated class A laser: stochastic resonance in a limit-cycle potential system. European Physical Journal B, 2018, 91, 1.	1.5	2
22	Stochastic thermodynamics for Ising chain and symmetric exclusion process. Physical Review E, 2017, 95, 032114.	2.1	2
23	Ensemble Equivalence for Distinguishable Particles. Entropy, 2016, 18, 259.	2.2	2
24	Coupled dynamics of node and link states in complex networks: a model for language competition. New Journal of Physics, 2016, 18, 113056.	2.9	14
25	Competition of simple and complex adoption on interdependent networks. Physical Review E, 2016, 94, 062301.	2.1	34
26	Synchronization of coupled noisy oscillators: Coarse graining from continuous to discrete phases. Physical Review E, 2016, 94, 052219.	2.1	7
27	The noisy voter model on complex networks. Scientific Reports, 2016, 6, 24775.	3.3	100
28	Stochastic thermodynamics for linear kinetic equations. Physical Review E, 2015, 92, 012127.	2.1	8
29	Anticipated synchronization in coupled complex Ginzburg-Landau systems. Physical Review E, 2015, 92, 032911.	2.1	11
30	Impact of surface interactions on the phase behavior of Y-shaped molecules. Thin Solid Films, 2015, 597, 188-192.	1.8	8
31	Descending from infinity: Convergence of tailed distributions. Physical Review E, 2015, 91, 012128.	2.1	1
32	Constructive effects of diversity in a multi-neuron model of the homeostatic regulation of the sleep-wake cycle. Chaos, Solitons and Fractals, 2015, 81, 567-574.	5.1	9
33	Markets, Herding and Response to External Information. PLoS ONE, 2015, 10, e0133287.	2.5	30
34	Theoretical analysis of external noise and bistability in the catalytic CO oxidation on Pd(111). Journal of Computational Methods in Sciences and Engineering, 2014, 14, 17-28.	0.2	0
35	Suppression of deterministic and stochastic extreme desynchronization events using anticipated synchronization. Physical Review E, 2014, 89, 012921.	2.1	18
36	Fragmentation transition in a coevolving network with link-state dynamics. Physical Review E, 2014, 89, 062802.	2.1	13

#	ARTICLE	IF	CITATIONS
37	Simulating non-Markovian stochastic processes. <i>Physical Review E</i> , 2014, 90, 042108.	2.1	79
38	Stochastic functionals and fluctuation theorem for multikangaroo processes. <i>Physical Review E</i> , 2014, 89, 062124.	2.1	2
39	Kinetic theory and numerical simulations of two-species coagulation. <i>Kinetic and Related Models</i> , 2014, 7, 253-290.	0.9	2
40	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
41	The noisy Hegselmann-Krause model for opinion dynamics. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	64
42	Stochastic description of delayed systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120458.	3.4	8
43	Weighted-ensemble Brownian dynamics simulation: Sampling of rare events in nonequilibrium systems. <i>Physical Review E</i> , 2013, 87, 063311.	2.1	10
44	On the effect of heterogeneity in stochastic interacting-particle systems. <i>Scientific Reports</i> , 2013, 3, 1189.	3.3	18
45	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
46	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
47	Evolution of Surname Distribution under Gender-Equality Measures. <i>PLoS ONE</i> , 2011, 6, e18105.	2.5	1
48	Noise-induced transitions vs. noise-induced phase transitions. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	8
49	Diffusing opinions in bounded confidence processes. <i>European Physical Journal D</i> , 2011, 62, 109-117.	1.3	36
50	Synchronisation Induced by Repulsive Interactions in a System of van der Pol Oscillators. <i>Progress of Theoretical Physics</i> , 2011, 126, 353-368.	2.0	7
51	Role of delay in the stochastic creation process. <i>Physical Review E</i> , 2011, 84, 021128.	2.1	19
52	Exact solution of a stochastic protein dynamics model with delayed degradation. <i>Physical Review E</i> , 2011, 84, 051121.	2.1	27
53	Synchronization and entrainment of coupled circadian oscillators. <i>Interface Focus</i> , 2011, 1, 167-176.	3.0	48
54	Noise-induced transitions vs. noise-induced phase transitions. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Mass media and repulsive interactions in continuous-opinion dynamics. <i>Europhysics Letters</i> , 2010, 91, 48003.	2.0	56
56	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
57	Nonuniversal Results Induced by Diversity Distribution in Coupled Excitable Systems. <i>Physical Review Letters</i> , 2010, 105, 084101.	7.8	55
58	Description of stochastic and chaotic series using visibility graphs. <i>Physical Review E</i> , 2010, 82, 036120.	2.1	212
59	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
60	On the Gaussian Approximation for Master Equations. <i>Journal of Statistical Physics</i> , 2010, 140, 917-933.	1.2	10
61	Resonance induced by repulsive interactions in a model of globally coupled bistable systems. <i>Physical Review E</i> , 2010, 81, 041103.	2.1	20
62	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
63	Order parameter expansion and finite-size scaling study of coherent dynamics induced by quenched noise in the active rotator model. <i>Physical Review E</i> , 2010, 82, 051127.	2.1	6
64	Predict-prevent control method for perturbed excitable systems. <i>Physical Review E</i> , 2009, 79, 046203.	2.1	24
65	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
66	Comment on "Equiprobability, Entropy, Gamma Distributions and Other Geometrical Questions in Multi-Agent Systems", <i>Entropy</i> 2009, 11, 959-971. <i>Entropy</i> , 2009, 11, 1121-1122.	2.2	1
67	External noise-induced phenomena in CO oxidation on single crystal surfaces. <i>Journal of Chemical Physics</i> , 2009, 130, 124704.	3.0	14
68	Drug absorption through a cell monolayer: A theoretical work on a non-linear three-compartment model. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 106-114.	4.0	3
69	Divide and conquer: resonance induced by competitive interactions. <i>European Physical Journal B</i> , 2009, 67, 329-336.	1.5	15
70	Diversity-induced resonance in a model for opinion formation. <i>European Physical Journal B</i> , 2009, 71, 549-555.	1.5	29
71	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
72	Noisy continuous-opinion dynamics. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, P08001.	2.3	60

#	ARTICLE	IF	CITATIONS
73	DIVERSITY-INDUCED RESONANCE IN A SYSTEM OF GLOBALLY COUPLED LINEAR OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 3499-3508.	1.7	12
74	Resonance Induced by Repulsive Links. Understanding Complex Systems, 2009, , 439-444.	0.6	0
75	Global firing induced by network disorder in ensembles of active rotators. European Physical Journal B, 2008, 62, 319-326.	1.5	15
76	Projected single-spin-flip dynamics in the Ising model. Physical Review E, 2007, 76, 011117.	2.1	0
77	Collective effects induced by diversity in extended systems. European Physical Journal: Special Topics, 2007, 143, 59-67.	2.6	31
78	Theory of collective firing induced by noise or diversity in excitable media. Physical Review E, 2007, 75, 016203.	2.1	75
79	Coherent regimes of mutually coupled Chua's circuits. Physical Review E, 2006, 73, 036203.	2.1	10
80	Truels, or Survival of the Weakest. Computing in Science and Engineering, 2006, 8, 88-95.	1.2	15
81	Diversity-Induced Resonance. Physical Review Letters, 2006, 97, 194101.	7.8	202
82	Ensemble equivalence for non-Boltzmannian distributions. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 85-90.	2.6	7
83	Reversals of chance in paradoxical games. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 641-648.	2.6	10
84	Experimental study of stochastic resonance in a Chua's circuit operating in a chaotic regime. Physica D: Nonlinear Phenomena, 2006, 219, 93-100.	2.8	28
85	Noise-induced inhibitory suppression of frequency-selective stochastic resonance. Physical Review E, 2006, 74, 046220.	2.1	11
86	Optimized multicanonical simulations: A proposal based on classical fluctuation theory. Physical Review E, 2006, 74, 046702.	2.1	14
87	Globalization, polarization and cultural drift. Journal of Economic Dynamics and Control, 2005, 29, 321-334.	1.6	70
88	System size stochastic resonance in a model for opinion formation. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 106-116.	2.6	40
89	Distribution of winners in truel games. AIP Conference Proceedings, 2005, , .	0.4	7
90	Approach to predictability via anticipated synchronization. Physical Review E, 2005, 72, 046218.	2.1	19

#	ARTICLE	IF	CITATIONS
91	TRANSFER OF INFORMATION IN PARRONDO'S GAMES. Fluctuation and Noise Letters, 2005, 05, L63-L71.	1.5	1
92	Analysis and characterization of the hyperchaos generated by a semiconductor laser subject to a delayed feedback loop. IEEE Journal of Quantum Electronics, 2005, 41, 541-548.	1.9	194
93	Binary and Multivariate Stochastic Models of Consensus Formation. Computing in Science and Engineering, 2005, 7, 67-73.	1.2	72
94	Exact solution of Ising model on a small-world network. Physical Review E, 2004, 70, 026112.	2.1	39
95	Derivation of amplitude equations for nonlinear oscillators subject to arbitrary forcing. Physical Review E, 2004, 69, 066141.	2.1	10
96	Dynamical Mechanism of Anticipating Synchronization in Excitable Systems. Physical Review Letters, 2004, 93, 114102.	7.8	51
97	COUPLING AND FEEDBACK EFFECTS IN EXCITABLE SYSTEMS: ANTICIPATED SYNCHRONIZATION. Modern Physics Letters B, 2004, 18, 1135-1155.	1.9	17
98	Anticipated synchronization: A metaphorical linear view. Chaos, 2004, 14, 7-13.	2.5	32
99	Neighborhood models of minority opinion spreading. European Physical Journal B, 2004, 39, 535-544.	1.5	75
100	On the Nonextensivity of the Long Range X-Y Model. Journal of Statistical Physics, 2004, 114, 1393-1398.	1.2	7
101	Effect of non-Gaussian noise sources in a noise-induced transition. Physica D: Nonlinear Phenomena, 2004, 193, 161-168.	2.8	125
102	Discrete-time ratchets, the Fokker-Planck equation and Parrondo's paradox. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2004, 460, 2269-2284.	2.1	32
103	Exact ratchet description of Parrondo's games with self-transitions. , 2004, , .		1
104	Parrondo's games and the zipping algorithm. , 2004, , .		0
105	On the definition of physical temperature and pressure for nonextensive thermostatics. Physica A: Statistical Mechanics and Its Applications, 2003, 317, 209-212.	2.6	47
106	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
107	Characterization of the anticipated synchronization regime in the coupled FitzHugh-Nagumo model for neurons. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 192-198.	2.6	52
108	Parrondo's games as a discrete ratchet. Physica A: Statistical Mechanics and Its Applications, 2003, 327, 105-110.	2.6	25

#	ARTICLE	IF	CITATIONS
109	Experimental study of high frequency stochastic resonance in Chua circuits. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 115-119.	2.6	18
110	Pair Interaction between End-Grafted Polymers onto Spherical Surfaces: A Monte Carlo Study. <i>Macromolecules</i> , 2003, 36, 1407-1413.	4.8	27
111	Analysis and characterization of the hyperchaos generated by a semiconductor laser subject to a delay feedback loop. , 2003, , .		6
112	Global culture: A noise-induced transition in finite systems. <i>Physical Review E</i> , 2003, 67, 045101.	2.1	146
113	Nonequilibrium transitions in complex networks: A model of social interaction. <i>Physical Review E</i> , 2003, 67, 026120.	2.1	169
114	Anticipating the Response of Excitable Systems Driven by Random Forcing. <i>Physical Review Letters</i> , 2003, 90, 204102.	7.8	79
115	Apparent phase transitions in finite one-dimensional sine-Gordon lattices. <i>Physical Review E</i> , 2003, 67, 046108.	2.1	11
116	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
117	System size coherence resonance in coupled FitzHugh-Nagumo models. <i>Europhysics Letters</i> , 2003, 61, 162-167.	2.0	111
118	Wavelet description of the Nikolaevskii model. <i>Journal of Physics A</i> , 2003, 36, 1323-1335.	1.6	8
119	Anticipated synchronization in neuronal systems subject to noise. , 2003, 5114, 261.		0
120	A Fokker-Planck description for Parrondo's games. , 2003, , .		7
121	Class-Alasers with injected signal: Bifurcation set and Lyapunov potential function. <i>Physical Review A</i> , 2002, 66, .	2.5	34
122	CAPITAL REDISTRIBUTION BRINGS WEALTH BY PARRONDO'S PARADOX. <i>Fluctuation and Noise Letters</i> , 2002, 02, L305-L311.	1.5	56
123	Theory of main resonances in directly modulated diode lasers. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 260-269.	1.9	14
124	Experimental Observation of Coherence and Stochastic Resonances in an Electronic Chua Circuit. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	2
125	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
126	Ensemble equivalence for non-extensive thermostatics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 305, 52-57.	2.6	3

#	ARTICLE	IF	CITATIONS
127	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
128	Analytical and numerical studies of noise-induced synchronization of chaotic systems. Chaos, 2001, 11, 665-673.	2.5	140
129	Noise-Induced Scenario for Inverted Phase Diagrams. Physical Review Letters, 2001, 87, .	7.8	47
130	Thermostatistics of extensive and non-extensive systems using generalized entropies. Physica A: Statistical Mechanics and Its Applications, 2001, 290, 159-191.	2.6	11
131	Enhancement of stochastic resonance: the role of non Gaussian noises. Physica A: Statistical Mechanics and Its Applications, 2001, 295, 114-122.	2.6	179
132	Stochastic Effects in Intercellular Calcium Spiking in Hepatocytes. Journal of Theoretical Biology, 2001, 212, 111-125.	1.7	63
133	Main resonances in directly modulated semiconductor lasers: effect of spontaneous emission and gain saturation. IEE Proceedings: Optoelectronics, 2001, 148, 41-45.	0.8	6
134	COOPERATIVE PARRONDO'S GAMES. Fluctuation and Noise Letters, 2001, 01, L7-L12.	1.5	75
135	Coherence resonance in chaotic electronic circuits. Electronics Letters, 2001, 37, 1062.	1.0	14
136	Coherence resonance in chaotic systems. Europhysics Letters, 2001, 56, 347-353.	2.0	74
137	Transition from oscillatory to excitable regime in a system forced at three times its natural frequency. Physical Review E, 2001, 64, 056218.	2.1	17
138	Period stabilization in the Busse-Heikes model of the $\frac{1}{4}$ appers-Lortz instability. Physica A: Statistical Mechanics and Its Applications, 2000, 280, 315-336.	2.6	5
139	A Monte Carlo method for the numerical simulation of Tsallis statistics. Physica A: Statistical Mechanics and Its Applications, 2000, 283, 59-64.	2.6	5
140	Dynamics and scaling of noise-induced domain growth. European Physical Journal B, 2000, 18, 663-673.	1.5	15
141	Weakly nonextensive thermostatistics and the Ising model with long-range interactions. European Physical Journal B, 2000, 17, 679-688.	1.5	6
142	Synchronization of chaotic systems by common random forcing. AIP Conference Proceedings, 2000, , .	0.4	1
143	Toral and Salazar Reply:. Physical Review Letters, 2000, 85, 471-471.	7.8	4
144	Stochastic Spatiotemporal Intermittency and Noise-Induced Transition to an Absorbing Phase. Physical Review Letters, 2000, 85, 3612-3615.	7.8	33

#	ARTICLE	IF	CITATIONS
145	Nonequilibrium phase transitions induced by multiplicative noise: Effects of self-correlation. Physical Review E, 2000, 61, 223-232.	2.1	55
146	Self-similar domain growth, localized structures, and labyrinthine patterns in vectorial Kerr resonators. Physical Review E, 2000, 61, 2241-2244.	2.1	50
147	Extensive chaos in the Nikolaevskii model. Physical Review E, 2000, 62, R17-R20.	2.1	28
148	Linear Instability Mechanisms of Noise-Induced Phase Transitions. , 2000, , 247-256.		0
149	Stochastic Effects in Physical Systems. Nonlinear Phenomena and Complex Systems, 2000, , 35-127.	0.0	92
150	Noise-induced phase separation: Mean-field results. Physical Review E, 1999, 60, 3597-3605.	2.1	27
151	Scaling Laws for a System with Long-Range Interactions within Tsallis Statistics. Physical Review Letters, 1999, 83, 4233-4236.	7.8	34
152	Lyapunov-potential description for laser dynamics. Physical Review A, 1999, 59, 4690-4698.	2.5	6
153	Domain growth and coarsening inhibition in a nonpotential system. Computer Physics Communications, 1999, 121-122, 324-326.	7.5	1
154	Hybrid simulated annealing using Tsallis statistics. Computer Physics Communications, 1999, 121-122, 40-42.	7.5	3
155	Phase Behavior of Binary Fluid Mixtures Confined in a Model Aerogel. Journal of Sol-Gel Science and Technology, 1999, 15, 175-181.	2.4	10
156	Domain growth in a multivariable nonpotential system. Physica A: Statistical Mechanics and Its Applications, 1998, 257, 207-212.	2.6	2
157	Phase separation driven by external fluctuations. Europhysics Letters, 1998, 42, 125-130.	2.0	34
158	Fronts, domain growth, and dynamical scaling in ad=1 nonpotential system. Physical Review E, 1998, 58, 3125-3134.	2.1	7
159	Disordering Effects of Color in Nonequilibrium Phase Transitions Induced by Multiplicative Noise. Physical Review Letters, 1997, 79, 2389-2393.	7.8	84
160	Van den Broeck et al. Reply:. Physical Review Letters, 1997, 78, 1828-1828.	7.8	0
161	Nonequilibrium phase transitions induced by multiplicative noise. Physical Review E, 1997, 55, 4084-4094.	2.1	232
162	Simulation of phase behavior of fluids in gels. Lecture Notes in Physics, 1997, , 289-290.	0.7	0

#	ARTICLE	IF	CITATIONS
163	Simulated Annealing Using Hybrid Monte Carlo. <i>Journal of Statistical Physics</i> , 1997, 89, 1047-1060.	1.2	22
164	Fractal structure of silica colloids revisited. <i>Journal of Physics A</i> , 1996, 29, 533-540.	1.6	6
165	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
166	Van den Broeck, Parrondo, and Toral Reply:. <i>Physical Review Letters</i> , 1995, 75, 4787-4787.	7.8	2
167	A nonequilibrium phase transition induced by multiplicative noise. <i>Lecture Notes in Physics</i> , 1995, , 322-326.	0.7	1
168	Computational field theory and pattern formation. , 1995, , 1-65.		12
169	Finite-size effects in the Kardar-Parisi-Zhang equation. <i>Lecture Notes in Physics</i> , 1995, , 344-351.	0.7	0
170	Forces between polymer brushes: Monte Carlo simulation of a continuous-space model. <i>Physical Review E</i> , 1994, 50, 343-348.	2.1	26
171	Dynamical scaling of fractal aggregates in dense colloidal solutions. <i>Physical Review E</i> , 1994, 50, R3330-R3333.	2.1	18
172	Noise-Induced Nonequilibrium Phase Transition. <i>Physical Review Letters</i> , 1994, 73, 3395-3398.	7.8	415
173	Interpenetrations in polymer brushes. <i>Journal of Chemical Physics</i> , 1994, 100, 748-749.	3.0	25
174	Reversible aggregation in self-associating polymer systems. <i>Physical Review E</i> , 1994, 50, 2967-2976.	2.1	17
175	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
176	Generation of Gaussian distributed random numbers by using a numerical inversion method. <i>Computer Physics Communications</i> , 1993, 74, 327-334.	7.5	50
177	Crossover and finite-size effects in the (1+1)-dimensional Kardar-Parisi-Zhang equation. <i>Journal of Statistical Physics</i> , 1993, 70, 703-720.	1.2	18
178	Late-stage coarsening for off-critical quenches: Scaling functions and the growth law. <i>Physical Review E</i> , 1993, 47, 3025-3038.	2.1	71
179	Monte Carlo study of polymer chains end-grafted onto a spherical interface. <i>Physical Review E</i> , 1993, 47, 4240-4246.	2.1	48
180	Effects of domain morphology in phase-separation dynamics at low temperature. <i>Physical Review B</i> , 1993, 48, 6854-6857.	3.2	18

#	ARTICLE	IF	CITATIONS
181	Hybrid Monte Carlo method for conserved-order-parameter systems. <i>Physical Review E</i> , 1993, 47, R3848-R3851.	2.1	10
182	Fluctuations and pattern selection near an Eckhaus instability. <i>Physical Review Letters</i> , 1993, 70, 3576-3579.	7.8	26
183	Transient behavior of a parametric amplifier with an added fourth-order interaction. <i>Physical Review A</i> , 1992, 45, 3216-3223.	2.5	5
184	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
185	Structure of polymer chains end-grafted on an interacting surface. <i>Physical Review A</i> , 1992, 46, 4930-4934.	2.5	26
186	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
187	Domain growth in binary mixtures at low temperatures. <i>Physical Review B</i> , 1992, 45, 5276-5281.	3.2	50
188	Noise and pattern selection in the one-dimensional Swift-Hohenberg equation. <i>Physica D: Nonlinear Phenomena</i> , 1992, 61, 159-165.	2.8	12
189	Numerical study of irreversible aggregation process in three dimensional polymer and surfactant systems. <i>Journal of Chemical Physics</i> , 1991, 94, 5115-5125.	3.0	3
190	Commensurate configurations in the ground state of a ϕ^4 model with next-nearest-neighbour interactions. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 8999-9005.	1.8	0
191	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
192	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
193	Scaling behavior of a model of block copolymers in three dimensions. <i>Physical Review A</i> , 1991, 44, 6503-6507.	2.5	20
194	Numerical study of a Langevin model for the growth of wetting layers. <i>Physical Review B</i> , 1991, 43, 3438-3442.	3.2	10
195	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
196	Dynamical scaling in self-associating polymer aggregates. <i>Journal of Physics A</i> , 1990, 23, L311-L316.	1.6	2
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	Numerical Studies of Phase Separation in Models of Binary Alloys and Polymer Blends. <i>Physica Scripta</i> , 1990, T33, 12-19.	2.5	21
200	Dynamics of phase separation in a binary polymer blend of critical composition. <i>Journal of Chemical Physics</i> , 1990, 92, 6899-6909.	3.0	71
201	Density profile of terminally anchored polymer chains: a Monte Carlo study. <i>Macromolecules</i> , 1990, 23, 2016-2021.	4.8	159
202	Intensity correlation functions for the colored gain-noise model of dye lasers. <i>Physical Review A</i> , 1990, 42, 6823-6830.	2.5	55
203	Spinodal decomposition in polymer mixtures. <i>Physical Review Letters</i> , 1989, 63, 2072-2075.	7.8	56
204	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
205	Approach to the ground state in disordered magnetic systems: Simulated annealing study. <i>Physical Review B</i> , 1989, 39, 542-545.	3.2	19
206	Late stages of spinodal decomposition in a three-dimensional model system. <i>Physical Review B</i> , 1989, 39, 4386-4394.	3.2	77
207	Microphase separation in block copolymers. <i>Physical Review Letters</i> , 1989, 63, 2661-2664.	7.8	34
208	Critical and finite-size-scaling behaviours of short-range order parameters. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 8147-8154.	1.8	5
209	Numerical study of a model for interface growth. <i>Physical Review B</i> , 1989, 40, 11419-11421.	3.2	30
210	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
211	Numerical Study of the Cahn-Hilliard Equation in Three Dimensions. <i>Physical Review Letters</i> , 1988, 60, 2311-2314.	7.8	95
212	Dynamical properties of a new fast algorithm for the simulation of the Ising model. <i>Journal of Physics A</i> , 1988, 21, L315-L320.	1.6	2
213	Cluster kinetics in the lattice gas model: the Becker-Doring type of equations. <i>Journal of Physics C: Solid State Physics</i> , 1987, 20, 2491-2500.	1.5	6
214	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
215	Accurate estimate of ν for the three-dimensional Ising model from a numerical measurement of its partition function. <i>Physical Review Letters</i> , 1987, 59, 803-806.	7.8	72
216	Nucleation theory and the cloud-point. <i>Surface Science</i> , 1986, 177, 14-24.	1.9	1

#	ARTICLE	IF	CITATIONS
217	A comment on clusters free-energy models. Surface Science, 1986, 172, L539-L543.	1.9	2
218	A comment on clusters free-energy models. Surface Science Letters, 1986, 172, L539-L543.	0.1	0
219	Dynamics of phase separation: Cluster kinetics and self-similarity property of the structure function. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 142, 253-262.	0.9	3
220	On exact bounds for the cluster free energy in the three-dimensional lattice-gas model. Physica A: Statistical Mechanics and Its Applications, 1986, 135, 620-626.	2.6	2
221	Microscopic observations on a kinetic Ising model. American Journal of Physics, 1986, 54, 1114-1121.	0.7	4
222	Time evolution of the excess energy in supersaturated solid solutions: microcalorimetric experiments, computer simulations and theory. Journal of Physics C: Solid State Physics, 1985, 18, 1377-1386.	1.5	4
223	Scaling of the Excess Energy in Thermodynamically Unstable Solutions. Physical Review Letters, 1985, 54, 1424-1427.	7.8	14
224	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
225	Modified Fisher Droplet Model. Materials Research Society Symposia Proceedings, 1982, 21, 13.	0.1	0
226	Classical statistical mechanics of the sine-Gordon and ϕ^4 chains. Static properties. Physical Review B, 1980, 22, 5317-5338.	3.2	169
227	Asymptotic theory of instabilities in directly modulated semiconductor lasers. , 0, , .		0