

# Ronald Dickman

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8319893/ronald-dickman-publications-by-year.pdf>

**Version:** 2024-04-28

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.

190  
papers

6,651  
citations

43  
h-index

76  
g-index

195  
ext. papers

6,933  
ext. citations

2.7  
avg, IF

5.95  
L-index

#	Paper	IF	Citations
190	Reducing species extinction by connecting fragmented habitats: Insights from the contact process. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2022</b> , 127614	3.3	0
189	Population dynamics in the triplet annihilation model with a mutating reproduction rate. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2021</b> , 576, 126066	3.3	
188	Microemulsions in the driven Widom-Rowlinson lattice gas.. <i>Physical Review E</i> , <b>2021</b> , 104, 064135	2.4	0
187	Phase diagram and critical properties of a two-dimensional associating lattice gas.. <i>Physical Review E</i> , <b>2021</b> , 104, 064120	2.4	
186	Multirange Ising model on the square lattice. <i>Physical Review E</i> , <b>2020</b> , 101, 052138	2.4	
185	Jamming and percolation of dimers in restricted-valence random sequential adsorption. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
184	Synchronization of discrete oscillators on ring lattices and small-world networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2020</b> , 2020, 043406	1.9	0
183	Steady-state entropy: A proposal based on thermodynamic integration. <i>Physical Review E</i> , <b>2019</b> , 99, 032137	1.9	0
182	Order-disorder transition in a two-dimensional associating lattice gas. <i>Physical Review E</i> , <b>2019</b> , 100, 022109	1.9	2
181	Uphill migration in coupled driven particle systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2019</b> , 2019, 073203	1.9	3
180	Driven Widom-Rowlinson lattice gas. <i>Physical Review E</i> , <b>2018</b> , 97, 062126	2.4	3
179	Continuously variable spreading exponents in the absorbing Nagel-Schreckenberg model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2018</b> , 2018, 093102	1.9	1
178	Traffic model with an absorbing-state phase transition. <i>Physical Review E</i> , <b>2017</b> , 95, 022106	2.4	6
177	The advantage of being slow: The quasi-neutral contact process. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182672	3.7	5
176	Spatiotemporal generalization of the Harris criterion and its application to diffusive disorder. <i>Physical Review E</i> , <b>2016</b> , 93, 032143	2.4	9
175	Thermodynamics and phase coexistence in nonequilibrium steady states. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 750, 012004	0.3	
174	Phase diagram and critical behavior of the antiferromagnetic Ising model in an external field. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2016</b> , 2016, 033107	1.9	6

173	Phase coexistence far from equilibrium. <i>New Journal of Physics</i> , <b>2016</b> , 18, 043034	2.9	15
172	Kinetic theory of vehicular traffic. <i>American Journal of Physics</i> , <b>2016</b> , 84, 135-145	0.7	9
171	Computational model of a vector-mediated epidemic. <i>American Journal of Physics</i> , <b>2015</b> , 83, 468-474	0.7	6
170	Particle-density fluctuations and universality in the conserved stochastic sandpile. <i>Physical Review E</i> , <b>2015</b> , 92, 020104	2.4	20
169	Griffiths phases and localization in hierarchical modular networks. <i>Scientific Reports</i> , <b>2015</b> , 5, 14451	4.9	29
168	Inconsistencies in steady-state thermodynamics. <i>Physical Review E</i> , <b>2014</b> , 89, 032134	2.4	14
167	Intrinsic convergence properties of entropic sampling algorithms. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P07007	1.9	8
166	Activity, diffusion, and correlations in a two-dimensional conserved stochastic sandpile. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2014</b> , 2014, P08003	1.9	7
165	Failure of steady-state thermodynamics in nonuniform driven lattice gases. <i>Physical Review E</i> , <b>2014</b> , 90, 062123	2.4	15
164	Phase diagram of the symbiotic two-species contact process. <i>Physical Review E</i> , <b>2014</b> , 90, 032120	2.4	14
163	Conserved Sandpile with A Variable Height Restriction. <i>Brazilian Journal of Physics</i> , <b>2013</b> , 43, 254-259	1.2	
162	Survival of the scarcer in space. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2013</b> , 2013, P07004	1.9	8
161	Models of the radiation-induced bystander effect. <i>International Journal of Radiation Biology</i> , <b>2012</b> , 88, 592-9	2.9	8
160	SYSTEMATIC ENUMERATION OF CONFIGURATION CLASSES FOR ENTROPIC SAMPLING OF ISING MODELS. <i>International Journal of Modern Physics C</i> , <b>2012</b> , 23, 1240007	1.1	4
159	Analysis of an information-theoretic model for communication. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2012</b> , 2012, P12022	1.9	10
158	Discontinuous phase transition in a dimer lattice gas. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 174105	3.9	16
157	An epidemic process mediated by a decaying diffusing signal. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2012</b> , 2012, P06006	1.9	1
156	Symbiotic two-species contact process. <i>Physical Review E</i> , <b>2012</b> , 86, 011121	2.4	14

155	Complete high-precision entropic sampling. <i>Physical Review E</i> , <b>2011</b> , 84, 026701	2.4	16
154	Critical behavior of hard-core lattice gases: Wang-Landau sampling with adaptive windows. <i>Computer Physics Communications</i> , <b>2011</b> , 182, 719-725	4.2	6
153	Pair contact process with diffusion of pairs. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P03012	1.9	4
152	Conserved directed percolation: exact quasistationary distribution of small systems and Monte Carlo simulations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P05029	1.9	4
151	An infinite-period phase transition versus nucleation in a stochastic model of collective oscillations. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2011</b> , 2011, P09023	1.9	11
150	Contact process with sublattice symmetry breaking. <i>Physical Review E</i> , <b>2011</b> , 84, 011125	2.4	14
149	Glassy dynamics and hysteresis in a linear system of orientable hard rods. <i>Physical Review E</i> , <b>2011</b> , 84, 011505	2.4	1
148	Asymmetric exclusion process in a system of interacting Brownian particles. <i>Physical Review E</i> , <b>2010</b> , 81, 061108	2.4	8
147	Phase diagram and critical behavior of the pair annihilation model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2010</b> , 2010, P05009	1.9	1
146	Activated Random Walkers: Facts, Conjectures and Challenges. <i>Journal of Statistical Physics</i> , <b>2010</b> , 138, 126-142	1.5	31
145	On the absorbing-state phase transition in the one-dimensional triplet creation model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2009</b> , 2009, P08024	1.9	9
144	A contact process with mobile disorder. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2009</b> , 2009, P08016	1.9	5
143	Firing patterns and synchronization in nonsynaptic epileptiform activity: the effect of gap junctions modulated by potassium accumulation. <i>Physical Biology</i> , <b>2009</b> , 6, 046019	3	9
142	Two-dimensional lattice polymers: Adaptive windows simulations. <i>Computer Physics Communications</i> , <b>2009</b> , 180, 583-586	4.2	17
141	Constructing ground state configurations of lattice polymers. <i>Computer Physics Communications</i> , <b>2009</b> , 180, 590-593	4.2	2
140	Diffusion in stochastic sandpiles. <i>European Physical Journal B</i> , <b>2009</b> , 72, 441-449	1.2	9
139	Improving Wang-Landau sampling with adaptive windows. <i>Physical Review E</i> , <b>2008</b> , 78, 055701	2.4	31
138	The nature of the absorbing-state phase transition in the diffusive epidemic process. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2008</b> , 41, 405002	2	22

137	Contact process on a Voronoi triangulation. <i>Physical Review E</i> , <b>2008</b> , 78, 031133	2.4	28
136	Absorbing-state phase transitions: exact solutions of small systems. <i>Physical Review E</i> , <b>2008</b> , 77, 030102	2.4	4
135	Global analysis of the immune response. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2008</b> , 387, 6137-6150	3.3	2
134	Diffusive epidemic process: theory and simulation. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 065143	3.8	31
133	Particle redistribution and slow decay of correlations in hard-core fluids on a half-driven ladder. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , <b>2007</b> , 2007, P05003-P05003	1.9	7
132	Colloids in a periodic potential: driven lattice gas in continuous space. <i>Physical Review E</i> , <b>2007</b> , 76, 031103	2.4	3
131	Dynamic stability in random and scale-free B-lymphocyte networks. <i>Physical Review E</i> , <b>2007</b> , 75, 031911	2.4	7
130	Moment ratios for the pair-contact process with diffusion. <i>Physical Review E</i> , <b>2006</b> , 74, 011124	2.4	20
129	Critical exponents for the restricted sandpile. <i>Physical Review E</i> , <b>2006</b> , 73, 036131	2.4	28
128	Noise-driven nonlinear sigma model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2006</b> , 370, 601-612	3.2	12
127	Driven lattice gas with nearest-neighbor exclusion: shear-like drive. <i>European Physical Journal B</i> , <b>2006</b> , 52, 83-90	1.2	5
126	Wang-Landau sampling in three-dimensional polymers. <i>Brazilian Journal of Physics</i> , <b>2006</b> , 36, 619-622	1.2	21
125	Quasi-stationary simulation: the subcritical contact process. <i>Brazilian Journal of Physics</i> , <b>2006</b> , 36, 685-689	2.2	13
124	Lattice gas with nearest-neighbor exclusion in a shear-like field. <i>Brazilian Journal of Physics</i> , <b>2006</b> , 36, 736-740	1.2	5
123	Transições de fase sem termodinâmica. <i>Revista Brasileira De Ensino De Fisica</i> , <b>2006</b> , 28, 23-33	0.4	
122	Recoiling DNA molecule: simulation and experiment. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 345, 173-184	3.3	5
121	Quasi-stationary simulation of the contact process. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2005</b> , 357, 134-141	3.3	25
120	Asymptotic Behavior of the Order Parameter in a Stochastic Sandpile. <i>Journal of Statistical Physics</i> , <b>2005</b> , 118, 1-25	1.5	6

119	Absorbing-state phase transitions with extremal dynamics. <i>Physical Review E</i> , <b>2005</b> , 71, 066113	2.4	3
118	How to simulate the quasistationary state. <i>Physical Review E</i> , <b>2005</b> , 71, 016129	2.4	103
117	Series expansion for a stochastic sandpile. <i>Journal of Physics A</i> , <b>2004</b> , 37, 1145-1157		5
116	Critical behavior of nonequilibrium models in short-time Monte Carlo simulations. <i>Physical Review E</i> , <b>2004</b> , 70, 067701	2.4	18
115	On singular probability densities generated by extremal dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 332, 318-336	3.3	4
114	On the thresholds, probability densities, and critical exponents of Bakâ€šneppen-like models. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 342, 164-170	3.3	5
113	Quasi-stationary distributions for models of heterogeneous catalysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 343, 525-542	3.3	12
112	Asymmetric dynamics and critical behavior in the Bakâ€šneppen model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 342, 516-528	3.3	8
111	Quasi-stationary distributions for models of heterogeneous catalysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2004</b> , 343, 525-542	3.3	3
110	Fractal rain distributions and chaotic advection. <i>Brazilian Journal of Physics</i> , <b>2004</b> , 34,	1.2	7
109	Generic slow relaxation in a stochastic sandpile. <i>Europhysics Letters</i> , <b>2003</b> , 61, 294-300	1.6	6
108	Variable survival exponents in history-dependent random walks: hard movable reflector. <i>Brazilian Journal of Physics</i> , <b>2003</b> , 33, 450-457	1.2	4
107	Phase diagram of a probabilistic cellular automaton with three-site interactions. <i>Physical Review E</i> , <b>2003</b> , 67, 016107	2.4	9
106	Rain, power laws, and advection. <i>Physical Review Letters</i> , <b>2003</b> , 90, 108701	7.4	18
105	Survival-extinction phase transition in a bit-string population with mutation. <i>Physical Review E</i> , <b>2003</b> , 67, 031915	2.4	4
104	Avalanche exponents and corrections to scaling for a stochastic sandpile. <i>Physical Review E</i> , <b>2003</b> , 67, 066111	2.4	17
103	Path integrals and perturbation theory for stochastic processes. <i>Brazilian Journal of Physics</i> , <b>2003</b> , 33, 73-93	1.2	22
102	Nonequilibrium phase transitions in epidemics and sandpiles. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 306, 90-97	3.3	28

101	Pair contact process with a particle source. <i>Physical Review E</i> , <b>2002</b> , 65, 016118	2.4	16
100	n-site approximations and coherent-anomaly-method analysis for a stochastic sandpile. <i>Physical Review E</i> , <b>2002</b> , 66, 036122	2.4	18
99	Asymptotic analysis of a random walk with a history-dependent step length. <i>Physical Review E</i> , <b>2002</b> , 66, 051102	2.4	5
98	Nonuniversality in the pair contact process with diffusion. <i>Physical Review E</i> , <b>2002</b> , 66, 045101	2.4	30
97	Scaling exponents of rough surfaces generated by the Domany-Kinzel cellular automaton. <i>Physical Review E</i> , <b>2002</b> , 66, 016113	2.4	7
96	Sandpiles with height restrictions. <i>Physical Review E</i> , <b>2002</b> , 66, 016111	2.4	41
95	Numerical analysis of the master equation. <i>Physical Review E</i> , <b>2002</b> , 65, 047701	2.4	15
94	Compact directed percolation with movable partial reflectors. <i>Journal of Physics A</i> , <b>2002</b> , 35, 7983-7993		1
93	Quasi-stationary distributions for stochastic processes with an absorbing state. <i>Journal of Physics A</i> , <b>2002</b> , 35, 1147-1166		59
92	Path-integral representation for a stochastic sandpile. <i>Journal of Physics A</i> , <b>2002</b> , 35, 7269-7285		7
91	Quasistationary distributions for the Domany-Kinzel stochastic cellular automaton. <i>Physical Review E</i> , <b>2002</b> , 66, 046135	2.4	6
90	Continuously variable survival exponent for random walks with movable partial reflectors. <i>Physical Review E</i> , <b>2001</b> , 64, 020102	2.4	22
89	First- and second-order phase transitions in a driven lattice gas with nearest-neighbor exclusion. <i>Physical Review E</i> , <b>2001</b> , 64, 016124	2.4	24
88	Critical behavior of a one-dimensional fixed-energy stochastic sandpile. <i>Physical Review E</i> , <b>2001</b> , 64, 056104	2.4	65
87	Paths to self-organized criticality. <i>Brazilian Journal of Physics</i> , <b>2000</b> , 30, 27-41	1.2	213
86	Ising meets Ornstein and Zernike, Debye and Hekel, Widom and Rowlinson, and others. <i>Brazilian Journal of Physics</i> , <b>2000</b> , 30, 711	1.2	4
85	Absorbing-state phase transitions in fixed-energy sandpiles. <i>Physical Review E</i> , <b>2000</b> , 62, 4564-82	2.4	138
84	Interface scaling in the contact process. <i>Physical Review E</i> , <b>2000</b> , 62, 7632-7	2.4	22

83	Rewighting in nonequilibrium simulations. <i>Physical Review E</i> , <b>1999</b> , 60, R2441-4	2.4	48
82	Theory of the NO+CO surface-reaction model. <i>Physical Review E</i> , <b>1999</b> , 59, 6361-9	2.4	42
81	Avalanche and spreading exponents in systems with absorbing states. <i>Physical Review E</i> , <b>1999</b> , 59, 6175-9	2.4	141
80	Pair contact process in two dimensions. <i>Physical Review E</i> , <b>1999</b> , 60, 5126-9	2.4	14
79	Nonequilibrium Phase Transitions in Lattice Models <b>1999</b> ,		780
78	Phase Structure of Systems with Infinite Numbers of Absorbing States. <i>Journal of Statistical Physics</i> , <b>1998</b> , 91, 541-569	1.5	35
77	Thermodynamically self-consistent theory of structure for three-dimensional lattice gases. <i>Physical Review E</i> , <b>1998</b> , 57, 2862-2871	2.4	49
76	Violation of scaling in the contact process with quenched disorder. <i>Physical Review E</i> , <b>1998</b> , 57, 1263-1268	2.4	51
75	Driving, Conservation, and Absorbing States in Sandpiles. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5676-5679	7.4	135
74	Elastic lattice in a random potential. <i>Physical Review B</i> , <b>1998</b> , 57, 2724-2727	3.3	10
73	Moment ratios for absorbing-state phase transitions. <i>Physical Review E</i> , <b>1998</b> , 58, 4266-4270	2.4	72
72	Self-organized criticality as an absorbing-state phase transition. <i>Physical Review E</i> , <b>1998</b> , 57, 5095-5105	2.4	143
71	Measuring Forces in Lattice Polymer Simulations. <i>The IMA Volumes in Mathematics and Its Applications</i> , <b>1998</b> , 59-74	0.5	
70	Mobility of a driven elastic lattice in an incommensurate background. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 3881-3888	1.8	
69	Entropic forces in binary hard sphere mixtures: Theory and simulation. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 205-213	3.9	172
68	Infinite numbers of absorbing states: Critical behavior. <i>Physica D: Nonlinear Phenomena</i> , <b>1997</b> , 103, 485-490	3.9	20
67	Self-Consistent Ornstein-Zernike Approximation for Lattice Gases. <i>Physical Review Letters</i> , <b>1996</b> , 77, 996-999	7.4	50
66	Critical behavior of systems with many absorbing states. <i>Physical Review Letters</i> , <b>1996</b> , 76, 451-454	7.4	77



- 65 Crossover from directed percolation to compact directed percolation. *Physical Review E*, **1996**, 54, R3071-R3074 2.4 22
- 64 Nonuniversal critical spreading in two dimensions. *Physical Review E*, **1996**, 53, 2223-2230 2.4 22
- 63 Critical dynamics of the contact process with quenched disorder. *Physical Review E*, **1996**, 54, R3090-R3093 2.4 110
- 62 Perturbation density functional theory and Monte Carlo simulations for the structure of hard triatomic fluids in slitlike pores. *Journal of Chemical Physics*, **1995**, 102, 2141-2150 3.9 50
- 61 Hyperscaling in the Domany-Kinzel cellular automaton. *Physical Review E*, **1995**, 52, 3218-3220 2.4 41
- 60 Elastic lattice in an incommensurate background. *Physical Review B*, **1995**, 51, 97-106 3.3 3
- 59 Concentration Profiles of End-Grafted, Diblock and Triblock Polymers in the Melt: Near-Wall Structure and Effects of Segment-Wall Interaction. *Europhysics Letters*, **1995**, 32, 211-216 1.6 17
- 58 Critical behavior of the Widom-Bowlinson lattice model. *Journal of Chemical Physics*, **1995**, 102, 8674-8676 3.9 18
- 57 Local structure and orientational correlations in fluids composed of linear triatomic molecules. *Molecular Physics*, **1994**, 82, 937-955 1.7 10
- 56 Generalized scaling for models with multiple absorbing states. *Journal of Physics A*, **1994**, 27, 3019-3028 1.7 113
- 55 Forces between polymer brushes: Monte Carlo simulation of a continuous-space model. *Physical Review E*, **1994**, 50, 343-348 2.4 25
- 54 Polymer-induced forces between colloidal particles. A Monte Carlo simulation. *Journal of Chemical Physics*, **1994**, 100, 4683-4690 3.9 54
- 53 Numerical study of a field theory for directed percolation. *Physical Review E*, **1994**, 50, 4404-4409 2.4 33
- 52 On the internal temperature in polymer glass simulations. *Journal of Chemical Physics*, **1994**, 101, 3326-3333 3.9 7
- 51 Series analysis of the generalized contact process. *Physica A: Statistical Mechanics and Its Applications*, **1994**, 203, 175-188 3.3 23
- 50 NONEQUILIBRIUM PHASE TRANSITIONS IN CATALYSIS AND POPULATION MODELS. *International Journal of Modern Physics C*, **1993**, 04, 271-277 1.1 23
- 49 Time-dependent perturbation theory for diffusive non-equilibrium lattice models. *Journal of Physics A*, **1993**, 26, L151-L157 1.1 37
- 48 Nonequilibrium phase transitions in systems with infinitely many absorbing states. *Physical Review E*, **1993**, 48, 1710-1725 2.4 145

47	Ziff-Gulari-Barshad model with CO desorption: An Ising-like nonequilibrium critical point. <i>Physical Review E</i> , <b>1993</b> , 47, 948-952	2.4	53
46	Force between grafted polymer brushes. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 3112-3118	3.9	23
45	Time-dependent perturbation theory for nonequilibrium lattice models. <i>Journal of Statistical Physics</i> , <b>1993</b> , 71, 89-127	1.5	85
44	Local structure of model polymeric fluids: Hard-sphere chains and the three-dimensional fluctuating bond model. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 4468-4475	3.9	25
43	Anisotropic random sequential adsorption of dimers on a square lattice. <i>Physical Review A</i> , <b>1992</b> , 46, 6294-6299	2.6	27
42	Equation of state of two-dimensional lattice chains at the theta point. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 1516-1522	3.9	19
41	Interaction between colloids in solutions containing dissolved polymer. <i>Journal of Colloid and Interface Science</i> , <b>1992</b> , 151, 102-117	9.3	60
40	On the interface between two growing Eden clusters. <i>Journal of Physics A</i> , <b>1991</b> , 24, L191-L195		22
39	Competing two-species directed percolation. <i>Journal of Physics A</i> , <b>1991</b> , 24, 5605-5616		8
38	Time-dependent perturbation theory for nonequilibrium lattice models. <i>Physical Review Letters</i> , <b>1991</b> , 67, 2391-2394	7.4	69
37	New simulation method for grafted polymeric brushes. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 4650-4655	3.9	31
36	First-order phase transition in a one-dimensional nonequilibrium model. <i>Physical Review A</i> , <b>1991</b> , 44, 4833-4838	2.6	72
35	XY chain with random anisotropy: Magnetization law, susceptibility, and correlation functions at $T=0$ . <i>Physical Review B</i> , <b>1991</b> , 44, 4397-4405	3.3	19
34	Random sequential adsorption: Series and virial expansions. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 8252-8257	3.5	105
33	Nonequilibrium steady states and phase transitions in driven diffusive systems. <i>Annals of Physics</i> , <b>1990</b> , 199, 366-411	2.5	23
32	Critical exponents for an irreversible surface reaction model. <i>Physical Review A</i> , <b>1990</b> , 41, 3411-3414	2.6	158
31	Driven lattice gas with repulsive interactions: Mean-field theory. <i>Physical Review A</i> , <b>1990</b> , 41, 2192-2195	2.6	33
30	Nonequilibrium critical behavior of the triplet annihilation model. <i>Physical Review A</i> , <b>1990</b> , 42, 6985-6990	2.6	43

29	Equation of state of athermal lattice chains: Effects of polydispersity. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 774-778	3.9	14
28	Equation of state for athermal lattice chains in a 3d fluctuating bond model. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 8983-8990	3.9	73
27	On the equation of state of athermal lattice chains: Test of mean-field and scaling theories in two dimensions. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 454-460	3.9	26
26	Universality and diffusion in nonequilibrium critical phenomena. <i>Physical Review B</i> , <b>1989</b> , 40, 7005-7010	3.3	75
25	Nonequilibrium lattice models: Series analysis of steady states. <i>Journal of Statistical Physics</i> , <b>1989</b> , 55, 997-1026	1.5	61
24	Nonequilibrium critical poisoning in a single-species model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1988</b> , 127, 132-137	2.3	92
23	High density Monte Carlo simulations of chain molecules: Bulk equation of state and density profile near walls. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 3168-3174	3.9	274
22	Mean-field theory of the driven diffusive lattice gas. <i>Physical Review A</i> , <b>1988</b> , 38, 2588-2593	2.6	70
21	Equation of state of athermal lattice chains in three dimensions. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 7577-7584	3.9	33
20	On the pressure equation for chain molecules. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 664-674	3.9	79
19	New simulation method for the equation of state of lattice chains. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 2246-2248	3.9	54
18	Kinetic phase transitions and tricritical point in an Ising model with competing dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1987</b> , 122, 463-466	2.3	59
17	A perturbation expansion for correlation functions via the Wigner distribution. <i>Superlattices and Microstructures</i> , <b>1986</b> , 2, 57-64	2.8	3
16	Collapse transition and asymptotic scaling behavior of lattice animals: Low-temperature expansion. <i>Journal of Statistical Physics</i> , <b>1986</b> , 44, 465-489	1.5	19
15	Kinetic phase transitions in a surface-reaction model: Mean-field theory. <i>Physical Review A</i> , <b>1986</b> , 34, 4246-4250	2.6	211
14	Phonon frequency shifts in an anharmonic lattice via the Wigner distribution function. <i>Physical Review B</i> , <b>1986</b> , 34, 5678-5683	3.3	1
13	Equation of state for athermal lattice chains. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 3023-3026	3.9	58
12	Equation of state for chain molecules: Continuous-space analog of Flory theory. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 4108-4115	3.9	229

11	Approach to equilibrium in a one-dimensional, two-component gas of Maxwellian molecules. <i>Journal of Statistical Physics</i> , <b>1985</b> , 41, 607-619	1.5	8
10	Complement to the Wigner-Kirkwood expansion. <i>Physical Review Letters</i> , <b>1985</b> , 55, 1703-1706	7.4	10
9	Wigner-distribution- and Green's-function approach to quantum corrections and implications for the melting temperature of two-dimensional Wigner crystals. <i>Physical Review B</i> , <b>1985</b> , 32, 471-473	3.3	12
8	The Microscopic Theory of Clustering and Nucleation <b>1985</b> , 1073-1085		
7	Proof of the existence of the cluster free energy. <i>Journal of Statistical Physics</i> , <b>1984</b> , 36, 435-446	1.5	6
6	Lattice animal specific heats and the collapse of branched polymers. <i>Journal De Physique</i> , <b>1984</b> , 45, 1727-1730	45	
5	A scaling theory of clusters in the lattice gas. <i>Journal of Statistical Physics</i> , <b>1983</b> , 33, 527-547	1.5	3
4	Cluster partition functions for a two-dimensional hard core square well gas. <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 6885-6889	3.9	8
3	New flows in a circular Couette system with co-rotating cylinders. <i>Physics of Fluids</i> , <b>1983</b> , 26, 1395		49
2	The asymptotic form of the cluster partition function in a two-dimensional lattice gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1982</b> , 112, 51-64	3.3	5
1	Dynamics of a Brownian particle in a plasma in the long-time limit. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1981</b> , 105, 337-346	3.3	