

Pavel Krapivsky

List of Publications by Year in descending order

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282
papers

9,978
citations

44069

48
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46799

89
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282
all docs

282
docs citations

282
times ranked

4440
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation in non-uniform systems with advection and localized source. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 265001.	2.1	2
2	Diffusion in a fluid flow generated by a source at the apex of a wedge. Physical Review Fluids, 2022, 7, .	2.5	0
3	Infection process near criticality: influence of the initial condition. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 013501.	2.3	3
4	Infinite system of random walkers: winners and losers. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 065001.	2.1	0
5	Random walk through a fertile site. Physical Review E, 2021, 103, 022114.	2.1	1
6	Hopf bifurcation in addition-shattering kinetics. Physical Review E, 2021, 103, L040101.	2.1	6
7	Divergence and consensus in majority rule. Physical Review E, 2021, 103, L060301.	2.1	10
8	Blast in a One-Dimensional Cold Gas: From Newtonian Dynamics to Hydrodynamics. Physical Review Letters, 2021, 126, 244503.	7.8	11
9	Blast in the one-dimensional cold gas: Comparison of microscopic simulations with hydrodynamic predictions. Physics of Fluids, 2021, 33, 087113.	4.0	8
10	Nonextensive Supercluster States in Aggregation with Fragmentation. Physical Review Letters, 2021, 127, 250602.	7.8	10
11	Stochastic dynamics of growing Young diagrams and their limit shapes. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 013206.	2.3	2
12	Where should you park your car? The $\frac{1}{2}$ rule. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073404.	2.3	4
13	Epidemics with containment measures. Physical Review E, 2020, 102, 032305.	2.1	14
14	Large deviations in one-dimensional random sequential adsorption. Physical Review E, 2020, 102, 062108.	2.1	6
15	Role of energy in ballistic agglomeration. Physical Review E, 2020, 102, 042909.	2.1	4
16	Free bosons with a localized source. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 063101.	2.3	10
17	On multidimensional record patterns. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 063205.	2.3	0
18	Geometrical selection in growing needles. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 073206.	2.3	3

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19	Return probability of $\langle i \rangle N \langle /i \rangle$ fermions released from a 1D confining potential. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 023103.	2.3	0
20	Coverage fluctuations in theater models. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 063209.	2.3	1
21	Simple parking strategies. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 093404.	2.3	10
22	Jamming and tiling in fragmentation of rectangles. Physical Review E, 2019, 100, 032122.	2.1	3
23	Exclusion in junction geometries. Physical Review E, 2019, 99, 052133.	2.1	4
24	Occupation-time statistics of a gas of interacting diffusing particles. Physical Review E, 2019, 99, 052102.	2.1	10
25	Kinetic regimes in aggregating systems with spontaneous and collisional fragmentation. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 205001.	2.1	9
26	Free fermions with a localized source. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 113108.	2.3	20
27	Extinction and survival in two-species annihilation. Physical Review E, 2018, 97, 022112.	2.1	1
28	Bulk diffusion in a kinetically constrained lattice gas. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 125002.	2.1	12
29	Quantum return probability of a system of $\langle i \rangle N \langle /i \rangle$ non-interacting lattice fermions. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023104.	2.3	7
30	Optimally frugal foraging. Physical Review E, 2018, 97, 022110.	2.1	15
31	Exact Solutions to the Steady Navier-Stokes Equations of Viscous Heat-Conducting Gas Flow Induced by the Plane Jet Issuing from the Line Source. Fluid Dynamics, 2018, 53, 1-10.	0.9	1
32	Assortative exchange processes. Physical Review E, 2018, 98, .	2.1	1
33	First-passage duality. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 093208.	2.3	15
34	Jamming and tiling in aggregation of rectangles. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 455002.	2.1	2
35	Kinetics of deposition in the diffusion-controlled limit. Physical Review E, 2018, 98, 012119.	2.1	0
36	Steady oscillations in aggregation-fragmentation processes. Physical Review E, 2018, 98, 012109.	2.1	18

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37	Gradient structure and transport coefficients for strong particles. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 043212.	2.3	4
38	Variational calculation of transport coefficients in diffusive lattice gases. Physical Review E, 2017, 95, 032121.	2.1	14
39	Phase transitions in systems with aggregation and shattering. Physical Review E, 2017, 96, 042138.	2.1	14
40	Emergent network modularity. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 073405.	2.3	11
41	Dynamics of the spin- $\frac{1}{2}$ Heisenberg chain initialized in a domain-wall state. Physical Review B, 2017, 96, .	3.4	11
42	Oscillations in Aggregation-Shattering Processes. Physical Review Letters, 2017, 119, 260601.	7.8	37
43	Trapping and escape in a turbid medium. Journal of Chemical Physics, 2017, 147, 214903.	3.0	2
44	Kinetics of diffusion-controlled annihilation with sparse initial conditions. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 504005.	2.1	2
45	Escape and finite-size scaling in diffusion-controlled annihilation. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 504004.	2.1	2
46	Maxima of two random walks: universal statistics of lead changes. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 205003.	2.1	3
47	Kinetics of aggregation with choice. Physical Review E, 2016, 94, 062119.	2.1	0
48	Densification and structural transitions in networks that grow by node copying. Physical Review E, 2016, 94, 062302.	2.1	20
49	Temporal Correlations of the Running Maximum of a Brownian Trajectory. Physical Review Letters, 2016, 117, 080601.	7.8	24
50	Quantum centipedes: collective dynamics of interacting quantum walkers. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 335303.	2.1	3
51	Joint distributions of partial and global maxima of a Brownian bridge. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 335002.	2.1	11
52	Reply to "Comment on "Generalized exclusion processes: Transport coefficients". Physical Review E, 2016, 94, 016101.	2.1	3
53	Structural Transitions in Densifying Networks. Physical Review Letters, 2016, 117, 218301.	7.8	38
54	Native ultrametricity of sparse random ensembles. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 035101.	2.1	6

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55	Dynamical properties of single-file diffusion. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P09007.	2.3	30
56	Spatial evolution of tumors with successive driver mutations. <i>Physical Review E</i> , 2015, 92, 022705.	2.1	16
57	Scaling exponents for ordered maxima. <i>Physical Review E</i> , 2015, 92, 062139.	2.1	2
58	Interacting quantum walkers: two-body bosonic and fermionic bound states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 475301.	2.1	12
59	Aggregation driven by a localized source. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 245002.	2.1	0
60	Irreversible reactions and diffusive escape: stationary properties. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P05003.	2.3	4
61	Melting of an Ising quadrant. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 015005.	2.1	8
62	Tagged Particle in Single-File Diffusion. <i>Journal of Statistical Physics</i> , 2015, 160, 885-925.	1.2	39
63	Size distribution of particles in Saturn's rings from aggregation and fragmentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9536-9541.	7.1	108
64	Synchronization as Aggregation: Cluster Kinetics of Pulse-Coupled Oscillators. <i>Physical Review Letters</i> , 2015, 115, 064101.	7.8	17
65	Mass exchange processes with input. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 205003.	2.1	2
66	Analytical results for the distribution of shortest path lengths in random networks. <i>Europhysics Letters</i> , 2015, 111, 26006.	2.0	32
67	Highly dispersed networks generated by enhanced redirection. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P04009.	2.3	8
68	Survival of Classical and Quantum Particles in the Presence of Traps. <i>Journal of Statistical Physics</i> , 2014, 154, 1430-1460.	1.2	38
69	Exclusion processes with avalanches. <i>Physical Review E</i> , 2014, 90, 012133.	2.1	4
70	Generalized exclusion processes: Transport coefficients. <i>Physical Review E</i> , 2014, 90, 052108.	2.1	22
71	Slow Kinetics of Brownian Maxima. <i>Physical Review Letters</i> , 2014, 113, 030604.	7.8	8
72	Large Deviations in Single-File Diffusion. <i>Physical Review Letters</i> , 2014, 113, 078101.	7.8	96

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73	Persistence of random walk records. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 255002.	2.1	7
74	Survival of a static target in a gas of diffusing particles with exclusion. Physical Review E, 2014, 90, 022120.	2.1	30
75	Lattice gases with a point source. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09003.	2.3	2
76	Emergence of clustering in an acquaintance model without homophily. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11035.	2.3	8
77	First Passage in Conical Geometry and Ordering of Brownian Particles. , 2014, , 252-276.		0
78	Choice-driven phase transition in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P04021.	2.3	5
79	Statistics of superior records. Physical Review E, 2013, 88, 022145.	2.1	10
80	Highly dispersed networks by enhanced redirection. Physical Review E, 2013, 88, 050802.	2.1	6
81	Crystal growth inside an octant. Physical Review E, 2013, 88, 022109.	2.1	3
82	Limiting shapes in two-dimensional Ising ferromagnets. Physical Review E, 2013, 87, 062111.	2.1	6
83	Asymmetric exclusion process with global hopping. Physical Review E, 2013, 88, 042120.	2.1	5
84	Distinct degrees and their distribution in complex networks. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06002.	2.3	1
85	Dynamics of repulsion processes. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06012.	2.3	18
86	Zero-temperature coarsening in the 2d Potts model. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P06018.	2.3	14
87	Continuum cascade model of directed random graphs: traveling wave analysis. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 455002.	2.1	3
88	Discrete analogue of the Burgers equation. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 455003.	2.1	6
89	Popularity-driven networking. Europhysics Letters, 2012, 97, 48003.	2.0	7
90	Driven Brownian coagulation of polymers. Journal of Chemical Physics, 2012, 136, 204901.	3.0	11

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91	Fluctuations of current in nonstationary diffusive lattice gases. <i>Physical Review E</i> , 2012, 86, 031106.	2.1	66
92	Growth Inside a Corner: The Limiting Interface Shape. <i>Physical Review Letters</i> , 2012, 108, 016102.	7.8	10
93	Reaction-diffusion process driven by a localized source: First-passage properties. <i>Physical Review E</i> , 2012, 85, 031124.	2.1	10
94	OlejarzetÅal.Reply:. <i>Physical Review Letters</i> , 2012, 109, .	7.8	3
95	Fate of 2D Kinetic Ferromagnets and Critical Percolation Crossing Probabilities. <i>Physical Review Letters</i> , 2012, 109, 195702.	7.8	45
96	Limiting shapes of Ising droplets, Ising fingers, and Ising solitons. <i>Physical Review E</i> , 2012, 85, 011152.	2.1	11
97	Molecular spiders on a plane. <i>Physical Review E</i> , 2012, 85, 061927.	2.1	6
98	Outbreak size distributions in epidemics with multiple stages. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P07018.	2.3	11
99	Void formation in diffusive lattice gases. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P12014.	2.3	23
100	Symmetric exclusion process with a localized source. <i>Physical Review E</i> , 2012, 86, 041103.	2.1	10
101	Scaling behavior of threshold epidemics. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	9
102	Reaction-diffusion processes with nonlinear diffusion. <i>Physical Review E</i> , 2012, 86, 041113.	2.1	4
103	Compact waves in microscopic nonlinear diffusion. <i>Physical Review E</i> , 2012, 85, 060103.	2.1	12
104	Stochastic Theory of Early Viral Infection: Continuous versus Burst Production of Virions. <i>PLoS Computational Biology</i> , 2011, 7, e1001058.	3.2	114
105	Dynamics of a quantum particle in low-dimensional disordered systems with extended states. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P02031.	2.3	6
106	Diffusion and multiplication in random media. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P01015.	2.3	2
107	Dynamics of random graphs with bounded degrees. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P11008.	2.3	9
108	On stochastic differential equations with random delay. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P10008.	2.3	7

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109	Exact solution of a two-type branching process: models of tumor progression. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P08018.	2.3	45
110	Kinetics of ring formation. Physical Review E, 2011, 83, 061102.	2.1	9
111	Zero-temperature freezing in the three-dimensional kinetic Ising model. Physical Review E, 2011, 83, 030104.	2.1	33
112	Zero-temperature relaxation of three-dimensional Ising ferromagnets. Physical Review E, 2011, 83, 051104.	2.1	35
113	Light impurity in an equilibrium gas. Physical Review E, 2011, 83, 011107.	2.1	5
114	Reinforcement-driven spread of innovations and fads. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P12003.	2.3	51
115	Maximum of $\langle N \rangle$ independent Brownian walkers till the first exit from the half-space. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 315001.	2.1	23
116	Aggregation–fragmentation processes and decaying three-wave turbulence. Physical Review E, 2010, 81, 035303.	2.1	13
117	Facilitated Asymmetric Exclusion. Physical Review Letters, 2010, 105, 210603.	7.8	35
118	Slow cooling of an Ising ferromagnet. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P02014.	2.3	14
119	Exact solution of a two-type branching process: clone size distribution in cell division kinetics. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07028.	2.3	20
120	Kinetics of first passage in a cone. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 495007.	2.1	18
121	Fluctuations in polymer translocation. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07007.	2.3	13
122	First-passage properties of the Pólya urn process. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P07009.	2.3	8
123	First passage in infinite paraboloidal domains. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P11028.	2.3	2
124	First-passage exponents of multiple random walks. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 495008.	2.1	20
125	Random ancestor trees. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P06004.	2.3	7
126	Strong Mobility in Weakly Disordered Systems. Physical Review Letters, 2009, 102, 190602.	7.8	21

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127	Stratification in the preferential attachment network. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 475001.	2.1	9
128	Survival of an evasive prey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13696-13701.	7.1	101
129	Shepherd model for knot-limited polymer ejection from a capsid. <i>Journal of Theoretical Biology</i> , 2009, 261, 488-493.	1.7	6
130	Freezing into stripe states in two-dimensional ferromagnets and crossing probabilities in critical percolation. <i>Physical Review E</i> , 2009, 80, 040101.	2.1	68
131	A model of ballistic aggregation and fragmentation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P06011.	2.3	31
132	Phase transition with nonthermodynamic states in reversible polymerization. <i>Physical Review E</i> , 2008, 77, 061132.	2.1	20
133	Exciting hard spheres. <i>Physical Review E</i> , 2008, 78, 030301.	2.1	20
134	Transition from small to large world in growing networks. <i>Europhysics Letters</i> , 2008, 81, 30004.	2.0	17
135	Front propagation in flipping processes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 465002.	2.1	0
136	Partition of networks into basins of attraction. <i>Physical Review E</i> , 2008, 78, 066111.	2.1	8
137	Logarithmic current fluctuations in nonequilibrium quantum spin chains. <i>Physical Review E</i> , 2008, 78, 061115.	2.1	70
138	Molecular spiders in one dimension. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, P08027-P08027.	2.3	25
139	Addition–deletion networks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 8607-8619.	2.1	30
140	Probing non-integer dimensions. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065119.	1.8	5
141	Dynamics of microtubule instabilities. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2007, 2007, L05004-L05004.	2.3	16
142	Molecular spiders with memory. <i>Physical Review E</i> , 2007, 76, 021121.	2.1	33
143	Smoothing a rock by chipping. <i>Physical Review E</i> , 2007, 75, 031119.	2.1	15
144	Condensates in driven aggregation processes. <i>Physical Review E</i> , 2007, 75, 011103.	2.1	8

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145	Dynamics of an idealized model of microtubule growth and catastrophe. <i>Physical Review E</i> , 2007, 76, 041907.	2.1	50
146	The power of choice in growing trees. <i>European Physical Journal B</i> , 2007, 59, 535-543.	1.5	24
147	Weak disorder in Fibonacci sequences. <i>Journal of Physics A</i> , 2006, 39, L301-L307.	1.6	3
148	Social balance on networks: The dynamics of friendship and enmity. <i>Physica D: Nonlinear Phenomena</i> , 2006, 224, 130-136.	2.8	196
149	Alignment of rods and partition of integers. <i>Physical Review E</i> , 2006, 73, 031109.	2.1	32
150	Flows on graphs with random capacities. <i>Physical Review E</i> , 2006, 74, 051110.	2.1	4
151	Percolation with multiple giant clusters. <i>Journal of Physics A</i> , 2005, 38, L417-L423.	1.6	21
152	Cliques and duplication-divergence network growth. <i>New Journal of Physics</i> , 2005, 7, 145-145.	2.9	37
153	Understanding search trees via statistical physics. <i>Pramana - Journal of Physics</i> , 2005, 64, 1175-1189.	1.8	11
154	Chronological rank in biological evolution. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2005, 2005, L10002-L10002.	2.3	2
155	Kinetic Theory of Random Graphs. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
156	Nonequilibrium behavior of a one-dimensional fluid: the problem of strong shock waves. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
157	Polymerization with freezing. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S4249-S4262.	1.8	7
158	“Burnt-bridge” mechanism of molecular motor motion. <i>Physical Review E</i> , 2005, 72, 046104.	2.1	32
159	Statistics of weighted treelike networks. <i>Physical Review E</i> , 2005, 71, 036124.	2.1	18
160	Kinetic theory of random graphs: From paths to cycles. <i>Physical Review E</i> , 2005, 71, 026129.	2.1	44
161	Weight-driven growing networks. <i>Physical Review E</i> , 2005, 71, 026103.	2.1	49
162	Duplication-divergence model of protein interaction network. <i>Physical Review E</i> , 2005, 71, 061911.	2.1	138

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163	Network growth by copying. <i>Physical Review E</i> , 2005, 71, 036118.	2.1	135
164	Dynamics of social balance on networks. <i>Physical Review E</i> , 2005, 72, 036121.	2.1	221
165	Random geometric series. <i>Journal of Physics A</i> , 2004, 37, 5949-5957.	1.6	5
166	Leadership statistics in random structures. <i>Europhysics Letters</i> , 2004, 65, 151-157.	2.0	14
167	Stable distributions in stochastic fragmentation. <i>Journal of Physics A</i> , 2004, 37, 2863-2880.	1.6	17
168	Finite-size fluctuations in interacting particle systems. <i>Physical Review E</i> , 2004, 69, 046113.	2.1	10
169	Dynamics of an unbounded interface between ordered phases. <i>Physical Review E</i> , 2004, 69, 026125.	2.1	11
170	Size of outbreaks near the epidemic threshold. <i>Physical Review E</i> , 2004, 69, 050901.	2.1	49
171	Unicyclic components in random graphs. <i>Journal of Physics A</i> , 2004, 37, L189-L195.	1.6	12
172	Universal properties of growing networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 340, 714-724.	2.6	31
173	Random walk with shrinking steps. <i>American Journal of Physics</i> , 2004, 72, 591-598.	0.7	25
174	Dynamical critical behaviours of the Ising spin chain: Swendsen-Wang and Wolff algorithms. <i>Journal of Physics A</i> , 2004, 37, 6917-6927.	1.6	1
175	Unity and discord in opinion dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 99-106.	2.6	59
176	Bifurcations and patterns in compromise processes. <i>Physica D: Nonlinear Phenomena</i> , 2003, 183, 190-204.	2.8	180
177	Extreme value statistics and traveling fronts: various applications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 161-170.	2.6	59
178	Exchange-driven growth. <i>Physical Review E</i> , 2003, 68, 031104.	2.1	53
179	Constrained opinion dynamics: freezing and slow evolution. <i>Journal of Physics A</i> , 2003, 36, L61-L68.	1.6	116
180	Dynamics of Majority Rule in Two-State Interacting Spin Systems. <i>Physical Review Letters</i> , 2003, 90, 238701.	7.8	365

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181	Shattering transitions in collision-induced fragmentation. <i>Physical Review E</i> , 2003, 68, 021102.	2.1	31
182	Correlations in Ballistic Processes. <i>Physical Review Letters</i> , 2003, 91, 218302.	7.8	36
183	Kinetic anomalies in addition-aggregation processes. <i>Journal of Physics A</i> , 2003, 36, 4533-4542.	1.6	10
184	Ordering of random walks: the leader and the laggard. <i>Journal of Physics A</i> , 2003, 36, 1789-1799.	1.6	20
185	Kinetic Theory of Traffic Flows. , 2003, , 155-168.		5
186	Statistics of Changes in Lead Node in Connectivity-Driven Networks. <i>Physical Review Letters</i> , 2002, 89, 258703.	7.8	49
187	Extreme value statistics and traveling fronts: Application to computer science. <i>Physical Review E</i> , 2002, 65, 036127.	2.1	45
188	Infinite-order percolation and giant fluctuations in a protein interaction network. <i>Physical Review E</i> , 2002, 66, 055101.	2.1	140
189	Scaling, multiscaling, and nontrivial exponents in inelastic collision processes. <i>Physical Review E</i> , 2002, 66, 011309.	2.1	58
190	Synchronization and coarsening (without self-organized criticality) in a forest-fire model. <i>Physical Review E</i> , 2002, 66, 016122.	2.1	0
191	Growth and structure of stochastic sequences. <i>Journal of Physics A</i> , 2002, 35, L557-L563.	1.6	17
192	Nontrivial velocity distributions in inelastic gases. <i>Journal of Physics A</i> , 2002, 35, L147-L152.	1.6	40
193	Finiteness and fluctuations in growing networks. <i>Journal of Physics A</i> , 2002, 35, 9517-9534.	1.6	91
194	Fitness versus longevity in age-structured population dynamics. <i>Journal of Mathematical Biology</i> , 2002, 44, 375-393.	1.9	3
195	Impurity in a Maxwellian unforced granular fluid. <i>European Physical Journal E</i> , 2002, 8, 507-515.	1.6	21
196	Organization of growing random networks. <i>Physical Review E</i> , 2001, 63, 066123.	2.1	651
197	Ballistic Annihilation with Continuous Isotropic Initial Velocity Distribution. <i>Physical Review Letters</i> , 2001, 86, 2494-2497.	7.8	27
198	Fate of zero-temperature Ising ferromagnets. <i>Physical Review E</i> , 2001, 63, 036118.	2.1	118

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199	Degree Distributions of Growing Networks. <i>Physical Review Letters</i> , 2001, 86, 5401-5404.	7.8	244
200	Freezing in Ising ferromagnets. <i>Physical Review E</i> , 2001, 65, 016119.	2.1	112
201	Steady state of an inhibitory neural network. <i>Physical Review E</i> , 2001, 64, 041906.	2.1	1
202	Extremal properties of random trees. <i>Physical Review E</i> , 2001, 64, 035101.	2.1	29
203	Dynamics of efficiency: a simple model. <i>Physical Review E</i> , 2001, 63, 045101.	2.1	21
204	Hwang, Krapivsky, and Redner Reply:. <i>Physical Review Letters</i> , 2001, 86, 4719-4719.	7.8	1
205	Fragmentation with a steady source. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 48-53.	2.1	23
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