

# Chin-Kun Hu

## List of Publications by Year in descending order

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287  
papers

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66336

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293  
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293  
docs citations

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times ranked

3646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Random Antiferromagnetic Chain. <i>Physical Review Letters</i> , 1979, 43, 1434-1437.	7.8	381
2	Synchronous chaos in coupled map lattices with small-world interactions. <i>Physical Review E</i> , 2000, 62, 6409-6413.	2.1	212
3	Multiple Nucleic Acid Binding Sites and Intrinsic Disorder of Severe Acute Respiratory Syndrome Coronavirus Nucleocapsid Protein: Implications for Ribonucleocapsid Protein Packaging. <i>Journal of Virology</i> , 2009, 83, 2255-2264.	3.4	170
4	Percolation, clusters, and phase transitions in spin models. <i>Physical Review B</i> , 1984, 29, 5103-5108.	3.2	133
5	Free energy landscape and folding mechanism of a $\beta^2$ -hairpin in explicit water: A replica exchange molecular dynamics study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 795-808.	2.6	125
6	[SMMP] A modern package for simulation of proteins. <i>Computer Physics Communications</i> , 2001, 138, 192-212.	7.5	114
7	Dynamic properties of a spin-glass model at low temperatures. <i>Physical Review B</i> , 1979, 20, 3837-3849.	3.2	109
8	Predicting missing links and identifying spurious links via likelihood analysis. <i>Scientific Reports</i> , 2016, 6, 22955.	3.3	109
9	Exact solution of the Eigen model with general fitness functions and degradation rates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4935-4939.	7.1	108
10	Phase diagram and universality of the Lennard-Jones gas-liquid system. <i>Journal of Chemical Physics</i> , 2012, 136, 204102.	3.0	105
11	Factors Governing Fibrillogenesis of Polypeptide Chains Revealed by Lattice Models. <i>Physical Review Letters</i> , 2010, 105, 218101.	7.8	104
12	Universal Scaling Functions in Critical Phenomena. <i>Physical Review Letters</i> , 1995, 75, 193-196.	7.8	96
13	Universal Scaling Functions for Numbers of Percolating Clusters on Planar Lattices. <i>Physical Review Letters</i> , 1996, 77, 8-11.	7.8	92
14	Parallel tempering simulations of HP-36. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 52, 436-445.	2.6	90
15	Influence of noise on the synchronization of the stochastic Kuramoto model. <i>Physical Review E</i> , 2007, 76, 056210.	2.1	75
16	Partition Function Zeros of the Square Lattice Potts Model. <i>Physical Review Letters</i> , 1996, 76, 169-172.	7.8	74
17	Exact phase diagrams for an Ising model on a two-layer Bethe lattice. <i>Physical Review E</i> , 1999, 59, 6489-6496.	2.1	64
18	Universality in dynamic critical phenomena. <i>Physical Review E</i> , 1997, 56, 2310-2313.	2.1	63

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19	Logarithmic Conformal Field Theory and Boundary Effects in the Dimer Model. <i>Physical Review Letters</i> , 2005, 95, 260602.	7.8	63
20	Effect of Finite Size on Cooperativity and Rates of Protein Folding. <i>Journal of Physical Chemistry A</i> , 2006, 110, 671-676.	2.5	63
21	Empirical mode decomposition and synchrogram approach to cardiorespiratory synchronization. <i>Physical Review E</i> , 2006, 73, 051917.	2.1	63
22	Constructive role of noise in p53 regulatory network. <i>Computer Physics Communications</i> , 2011, 182, 249-250.	7.5	63
23	Eigen model as a quantum spin chain: Exact dynamics. <i>Physical Review E</i> , 2004, 69, 021913.	2.1	62
24	Paths to globally generalized synchronization in scale-free networks. <i>Physical Review E</i> , 2008, 77, 016202.	2.1	62
25	Synchronized state of coupled dynamics on time-varying networks. <i>Chaos</i> , 2006, 16, 015117.	2.5	61
26	Quasispecies theory for multiple-peak fitness landscapes. <i>Physical Review E</i> , 2006, 73, 041913.	2.1	59
27	Histogram Monte Carlo renormalization-group method for percolation problems. <i>Physical Review B</i> , 1992, 46, 6592-6595.	3.2	58
28	Synchronized clusters in coupled map networks. I. Numerical studies. <i>Physical Review E</i> , 2005, 72, 016211.	2.1	58
29	Site-bond-correlated percolation and a sublattice dilute Potts model at finite temperatures. <i>Physical Review B</i> , 1984, 29, 5109-5116.	3.2	57
30	Multifractal characterization of stochastic resonance. <i>Physical Review E</i> , 2001, 63, 041105.	2.1	56
31	Stochastic dynamical model for stock-stock correlations. <i>Physical Review E</i> , 2004, 70, 026101.	2.1	56
32	Solvable biological evolution model with a parallel mutation-selection scheme. <i>Physical Review E</i> , 2004, 69, 046121.	2.1	55
33	Exact Universal Amplitude Ratios for Two-Dimensional Ising Models and a Quantum Spin Chain. <i>Physical Review Letters</i> , 2001, 86, 5160-5163.	7.8	52
34	An enhanced version of SMMP's open-source software package for simulation of proteins. <i>Computer Physics Communications</i> , 2006, 174, 422-429.	7.5	49
35	Multiple stepwise refolding of immunoglobulin domain I27 upon force quench depends on initial conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 93-98.	7.1	47
36	Histogram Monte Carlo renormalization group method for phase transition models without critical slowing down. <i>Physical Review Letters</i> , 1992, 69, 2739-2742.	7.8	46

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37	Kronecker's double series and exact asymptotic expansions for free models of statistical mechanics on torus. <i>Journal of Physics A</i> , 2002, 35, 5543-5561.	1.6	46
38	Exact finite-size corrections of the free energy for the square lattice dimer model under different boundary conditions. <i>Physical Review E</i> , 2003, 67, 066114.	2.1	46
39	Universal finite-size scaling functions for percolation on three-dimensional lattices. <i>Physical Review E</i> , 1998, 58, 1521-1527.	2.1	45
40	A new analytical method for computing solvent-accessible surface area of macromolecules and its gradients. <i>Journal of Computational Chemistry</i> , 2005, 26, 334-343.	3.3	45
41	Synchronized clusters in coupled map networks. II. Stability analysis. <i>Physical Review E</i> , 2005, 72, 016212.	2.1	45
42	Refolding upon Force Quench and Pathways of Mechanical and Thermal Unfolding of Ubiquitin. <i>Biophysical Journal</i> , 2007, 92, 547-561.	0.5	45
43	Exact correlation functions of Bethe lattice spin models in external magnetic fields. <i>Physical Review E</i> , 1998, 58, 1644-1653.	2.1	43
44	Boundary conditions and scaling functions of percolation models. <i>Journal of Physics A</i> , 1994, 27, L813-L820.	1.6	42
45	Universal finite-size scaling functions for critical systems with tilted boundary conditions. <i>Physical Review E</i> , 1999, 59, 1585-1588.	2.1	40
46	Escape through an unstable limit cycle driven by multiplicative colored non-Gaussian and additive white Gaussian noises. <i>Physical Review E</i> , 2007, 75, 042101.	2.1	40
47	ARVO: A Fortran package for computing the solvent accessible surface area and the excluded volume of overlapping spheres via analytic equations. <i>Computer Physics Communications</i> , 2005, 165, 59-96.	7.5	37
48	Anomalous diffusion in dynamical systems: Transport coefficients of all order. <i>Physical Review E</i> , 1993, 48, 728-733.	2.1	36
49	Exact spin-spin correlation functions of Bethe lattice Ising and BEG models in external fields. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 254, 198-206.	2.6	36
50	Cluster analysis and finite-size scaling for Ising spin systems. <i>Physical Review E</i> , 1999, 60, 2716-2720.	2.1	36
51	The Asymmetric Avalanche Process. <i>Journal of Statistical Physics</i> , 2003, 111, 1149-1182.	1.2	36
52	Chaotic Communication via Temporal Transfer Entropy. <i>Physical Review Letters</i> , 2008, 101, 244102.	7.8	36
53	Effect of Taiwan Mutation (D7H) on Structures of Amyloid- $\beta$ Peptides: Replica Exchange Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8972-8981.	2.6	36
54	Percolation and phase transitions of hard-core particles on lattices: Monte Carlo approach. <i>Physical Review B</i> , 1989, 39, 2948-2951.	3.2	34

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55	Exact finite-size corrections for the square-lattice Ising model with Brascamp-Kunz boundary conditions. <i>Physical Review E</i> , 2002, 65, 056132.	2.1	34
56	Universal finite-size scaling functions with exact nonuniversal metric factors. <i>Physical Review E</i> , 2003, 67, 065103.	2.1	34
57	Solvable biological evolution models with general fitness functions and multiple mutations in parallel mutation-selection scheme. <i>Physical Review E</i> , 2004, 70, 041908.	2.1	34
58	Transformation between $\alpha$ -helix and $\beta$ -sheet structures of one and two polyglutamine peptides in explicit water molecules by replica-exchange molecular dynamics simulations. <i>Journal of Computational Chemistry</i> , 2014, 35, 1430-1437.	3.3	34
59	Synchronization and coherence in thermodynamic coupled map lattices with intermediate-range coupling. <i>Physical Review E</i> , 1999, 60, 4966-4969.	2.1	33
60	Exact amplitude ratio and finite-size corrections for the $M^2$ -square lattice Ising model. <i>Physical Review E</i> , 2002, 65, 036103.	2.1	33
61	Discovery of Dihydrochalcone as Potential Lead for Alzheimer's Disease: In Silico and In Vitro Study. <i>PLoS ONE</i> , 2013, 8, e79151.	2.5	33
62	Universal Scaling Functions in Critical Phenomena. <i>Physical Review Letters</i> , 1995, 75, 2786-2786.	7.8	32
63	Universal scaling functions for site and bond percolations on planar lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 221, 80-88.	2.6	30
64	Microscopical approach to the helix-coil transition in DNA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 281, 51-59.	2.6	30
65	Exact Phase Diagram for an Asymmetric Avalanche Process. <i>Physical Review Letters</i> , 2001, 87, 084301.	7.8	30
66	Finite-size corrections and scaling for the triangular lattice dimer model with periodic boundary conditions. <i>Physical Review E</i> , 2006, 73, 016128.	2.1	30
67	New force replica exchange method and protein folding pathways probed by force-clamp technique. <i>Journal of Chemical Physics</i> , 2008, 128, 045103.	3.0	30
68	Geometry, thermodynamics, and finite-size corrections in the critical Potts model. <i>Physical Review E</i> , 1999, 60, 6491-6495.	2.1	28
69	Efficient combination of Wang-Landau and transition matrix Monte Carlo methods for protein simulations. <i>Journal of Computational Chemistry</i> , 2007, 28, 715-726.	3.3	28
70	Folding of the Protein Domain hbSBD. <i>Biophysical Journal</i> , 2005, 89, 3353-3361.	0.5	27
71	Finite-size effects for the Ising model on helical tori. <i>Physical Review E</i> , 2007, 76, 041118.	2.1	27
72	Firing patterns transition and desynchronization induced by time delay in neural networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 499, 88-97.	2.6	27

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73	Monte Carlo study of the Potts model on the square and the simple cubic lattices. <i>Physical Review B</i> , 1989, 40, 5007-5014.	3.2	26
74	Exact partition functions of the Ising model on $M \times N$ planar lattices with periodic $\dashrightarrow$ aperiodic boundary conditions. <i>Journal of Physics A</i> , 2002, 35, 5189-5206.	1.6	26
75	Escape through an unstable limit cycle: Resonant activation. <i>Physical Review E</i> , 2006, 73, 061107.	2.1	26
76	Scaling and universality in transition to synchronous chaos with local-global interactions. <i>Physical Review E</i> , 2006, 73, 036212.	2.1	25
77	Lethal Mutants and Truncated Selection Together Solve a Paradox of the Origin of Life. <i>PLoS ONE</i> , 2011, 6, e21904.	2.5	25
78	Stabilization and Anomalous Hydration of Collagen Fibril under Heating. <i>PLoS ONE</i> , 2013, 8, e78526.	2.5	25
79	Phase diagram for the Eigen quasispecies theory with a truncated fitness landscape. <i>Physical Review E</i> , 2009, 79, 041905.	2.1	22
80	Heat capacity decomposition by partition function zeros for interacting self-avoiding walks. <i>Europhysics Letters</i> , 2013, 104, 20005.	2.0	22
81	Dual effect of crowders on fibrillation kinetics of polypeptide chains revealed by lattice models. <i>Journal of Chemical Physics</i> , 2013, 138, 185101.	3.0	22
82	On the adsorption of magnetite nanoparticles on lysozyme amyloid fibrils. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 794-800.	5.0	22
83	Typhoon eye trajectory based on a mathematical model: Comparing with observational data. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 1847-1861.	1.7	21
84	Colored noise, folding rates and departure from Kramers $\hat{c}$ ™ behavior. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11753.	2.8	21
85	Oligomerization of Peptides LVEALYL and RGFFYT and Their Binding Affinity to Insulin. <i>PLoS ONE</i> , 2013, 8, e65358.	2.5	21
86	Universal scaling functions for bond percolation on planar-random and square lattices with multiple percolating clusters. <i>Physical Review E</i> , 2001, 64, 016127.	2.1	20
87	Curvature effect on the surface diffusion of silver adatoms on carbon nanotubes: Deposition experiments and numerical simulations. <i>Physical Review B</i> , 2006, 74, .	3.2	20
88	Exact results for a correlated percolation model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 119, 609-614.	2.6	19
89	Universal scaling functions and quantities in percolation models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 27-34.	2.6	19
90	Superscaling of Percolation on Rectangular Domains. <i>Physical Review Letters</i> , 2004, 93, 190601.	7.8	19

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91	Protein mechanical unfolding: Importance of non-native interactions. <i>Journal of Chemical Physics</i> , 2009, 131, 215103.	3.0	19
92	Exponential distance distribution of connected neurons in simulations of two-dimensional in vitro neural network development. <i>Frontiers of Physics</i> , 2017, 12, 1.	5.0	19
93	Wrapping conformations of a polymer on a curved surface. <i>Physical Review E</i> , 2007, 75, 031903.	2.1	18
94	Boundary conditions and amplitude ratios for finite-size corrections of a one-dimensional quantum spin model. <i>Nuclear Physics B</i> , 2009, 808, 613-624.	2.5	18
95	Percolation renormalization-group approach to the q-state Potts model. <i>Physical Review B</i> , 1988, 38, 2765-2778.	3.2	17
96	Diploid biological evolution models with general smooth fitness landscapes and recombination. <i>Physical Review E</i> , 2008, 77, 061907.	2.1	17
97	Compound CID 9998128 Is a Potential Multitarget Drug for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2588-2598.	3.5	17
98	Geometrical factor and thermal properties of the Potts model. <i>Journal of Physics A</i> , 1986, 19, 3067-3075.	1.6	16
99	Percolation and phase transitions of hard-core particles on lattices with pair interactions. <i>Physical Review B</i> , 1990, 42, 965-968.	3.2	16
100	Lattice shapes and scaling functions for bond random percolation on honeycomb lattices. <i>Journal of Physics A</i> , 1995, 28, L73-L78.	1.6	16
101	Universality of critical existence probability for percolation on three-dimensional lattices. <i>Journal of Physics A</i> , 1998, 31, L111-L117.	1.6	16
102	MULTISCROLL IN COUPLED DOUBLE SCROLL TYPE OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2965-2980.	1.7	16
103	Generalized Statistical Mechanics and Scaling Behavior for Non-equilibrium Polymer Chains: I. Monomers Connected by Rigid Bonds. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 024005.	1.6	16
104	Generalized Statistical Mechanics and Scaling Behavior for Non-equilibrium Polymer Chains: II. Monomers Connected by Springs. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 024006.	1.6	16
105	Effect of time delay on the onset of synchronization of the stochastic Kuramoto model. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P08018.	2.3	16
106	Punctuated equilibrium and shock waves in molecular models of biological evolution. <i>Physical Review E</i> , 2014, 90, 022712.	2.1	16
107	Global optimization of minority game by intelligent agents. <i>European Physical Journal B</i> , 2005, 47, 587-593.	1.5	15
108	RNA folding in the presence of counterions. <i>Physical Review E</i> , 2007, 75, 061907.	2.1	15

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109	Evolution models with lethal mutations on symmetric or random fitness landscapes. <i>Physical Review E</i> , 2010, 82, 011904.	2.1	15
110	Determination of melting temperature and temperature melting range for DNA with multi-peak differential melting curves. <i>Analytical Biochemistry</i> , 2015, 479, 28-36.	2.4	15
111	Impact of Mutations at C-Terminus on Structures and Dynamics of A <sup>1240</sup> and A <sup>1242</sup> : A Molecular Simulation Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4341-4354.	2.6	15
112	Geometrical factor and thermal properties of a sublattice dilute Potts model. <i>Physical Review B</i> , 1985, 32, 7325-7332.	3.2	14
113	Histogram Monte Carlo position-space renormalization group: Applications to the site percolation. <i>Journal of Statistical Physics</i> , 1996, 82, 1199-1206.	1.2	14
114	Partition function zeros of the Q-state Potts model for non-integer Q. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 281, 262-267.	2.6	14
115	Finite population size effects in quasispecies models with single-peak fitness landscape. <i>Europhysics Letters</i> , 2012, 98, 18001.	2.0	14
116	Slow dynamics in proteins and polymer chains. , 2013, , .		14
117	Noise-induced multistability in the regulation of cancer by genes and pseudogenes. <i>Journal of Chemical Physics</i> , 2016, 145, 045102.	3.0	14
118	Cluster-size distribution and the magnetic property of a Potts model. <i>Physical Review B</i> , 1986, 34, 6280-6287.	3.2	13
119	Large-cell renormalization group and order parameter for site percolation problems. <i>Physical Review B</i> , 1995, 51, 3922-3925.	3.2	13
120	Hu Replies:. <i>Physical Review Letters</i> , 1996, 76, 3875-3875.	7.8	13
121	Statistical properties of the low-temperature conductance peak heights for Corbino disks in the quantum Hall regime. <i>Physical Review B</i> , 1997, 55, 4551-4557.	3.2	13
122	Unzipping of DNA with correlated base sequence. <i>Physical Review E</i> , 2004, 69, 061908.	2.1	13
123	Exact probability distribution function for multifractal random walk models of stocks. <i>Europhysics Letters</i> , 2011, 95, 28007.	2.0	13
124	A structure-based model fails to probe the mechanical unfolding pathways of the titin I27 domain. <i>Journal of Chemical Physics</i> , 2013, 139, 065103.	3.0	13
125	The rich phase structure of a mutator model. <i>Scientific Reports</i> , 2016, 6, 34840.	3.3	13
126	Multicanonical parallel simulations of proteins with continuous potentials. <i>Journal of Computational Chemistry</i> , 2001, 22, 1287-1296.	3.3	12



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127	Surface critical behavior of random systems: Ordinary transition. <i>Physical Review E</i> , 2001, 63, 056102.	2.1	12
128	Detection of casimir photons with electrons. <i>Laser Physics</i> , 2008, 18, 621-624.	1.2	12
129	How adsorption influences DNA denaturation. <i>Physical Review E</i> , 2009, 79, 031903.	2.1	12
130	Enveloping triangulation method for detecting internal cavities in proteins and algorithm for computing their surface areas and volumes. <i>Journal of Computational Chemistry</i> , 2009, 30, 346-357.	3.3	12
131	Crossover behavior of stock returns and mean square displacements of particles governed by the Langevin equation. <i>Europhysics Letters</i> , 2013, 102, 66003.	2.0	12
132	Transition from Kardar-Parisi-Zhang to Tilted Interface Critical Behavior in a Solvable Asymmetric Avalanche Model. <i>Physical Review Letters</i> , 2003, 91, 255701.	7.8	11
133	Exact multileg correlation functions for the dense phase of branching polymers in two dimensions. <i>Physical Review E</i> , 2005, 71, 015104.	2.1	11
134	Adhesion-Induced DNA Naturation. <i>Physical Review Letters</i> , 2006, 96, 098302.	7.8	11
135	Analytical studies on a modified Nagel-Schreckenberg model with the Fukui-Ishibashi acceleration rule. <i>Chaos, Solitons and Fractals</i> , 2007, 31, 772-776.	5.1	11
136	CAVE: A package for detection and quantitative analysis of internal cavities in a system of overlapping balls: Application to proteins. <i>Computer Physics Communications</i> , 2010, 181, 2116-2125.	7.5	11
137	Molecular Dynamics Approach to Aggregation of Polymer Chains with Monomers Connected by Rigid Bonds. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 054001.	1.6	11
138	Finite Genome Length Corrections for the Mean Fitness and Gene Probabilities in Evolution Models. <i>Journal of Statistical Physics</i> , 2011, 144, 198-212.	1.2	11
139	Biological evolution in a multidimensional fitness landscape. <i>Physical Review E</i> , 2012, 86, 031920.	2.1	11
140	A manipulator game model of urban public traffic network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 416, 378-385.	2.6	11
141	Evolutionary Games with Randomly Changing Payoff Matrices. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 064802.	1.6	11
142	Efficient algorithm for computing exact partition functions of lattice polymer models. <i>Computer Physics Communications</i> , 2016, 209, 27-33.	7.5	11
143	Discovery of DNA dyes Hoechst 34580 and 33342 as good candidates for inhibiting amyloid beta formation: in silico and in vitro study. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 639-650.	2.9	11
144	Scaling behaviors and self-organized criticality of two-dimensional small-world neural networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123191.	2.6	11

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145	Percolation renormalization-group approach to the hard-square model. <i>Physical Review B</i> , 1991, 43, 6184-6185.	3.2	10
146	Critical point of the Kagomé Potts model: a Monte Carlo renormalization group and scaling determination. <i>Journal of Physics A</i> , 1998, 31, 7855-7864.	1.6	10
147	Polydispersity Effect and Universality of Finite-Size Scaling Function. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 1537-1542.	1.6	10
148	Renormalization-group approach to an Abelian sandpile model on planar lattices. <i>Physical Review E</i> , 2002, 66, 021307.	2.1	10
149	Finite size behavior of the asymmetric avalanche process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 321, 280-285.	2.6	10
150	Replicators in a Fine-Grained Environment: Adaptation and Polymorphism. <i>Physical Review Letters</i> , 2009, 102, 058102.	7.8	10
151	On the position of a vortex in a two-dimensional model of atmosphere. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 1941-1954.	1.7	10
152	Nonequilibrium Lyapunov function and a fluctuation relation for stochastic systems: Poisson-representation approach. <i>Physical Review E</i> , 2014, 89, 042132.	2.1	10
153	Percolation renormalisation group method and its application to the Potts model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 130, 436-442.	2.1	9
154	Percolation, fractals and the finite-size scaling of existence probability. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1992, 189, 60-69.	2.6	9
155	Inversion Symmetry and Exact Critical Exponents of Dissipating Waves in the Sandpile Model. <i>Physical Review Letters</i> , 2000, 85, 4048-4051.	7.8	9
156	Critical behavior of semi-infinite random systems at the special surface transition. <i>Physical Review E</i> , 2002, 65, 066103.	2.1	9
157	Universality in critical exponents for toppling waves of the BTW sandpile model on two-dimensional lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 92-100.	2.6	9
158	The role of tryptophan in staphylococcal nuclease stability. <i>Biophysical Chemistry</i> , 2010, 151, 170-177.	2.8	9
159	Molecular Dynamics Approach to Aggregation of Polymer Chains with Monomers Connected by Springs. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 104002.	1.6	9
160	Thermal stability of DNA with interstrand crosslinks. <i>Biopolymers</i> , 2012, 97, 807-817.	2.4	9
161	Fluctuation effects in gene regulation by microRNAs and correlations between gene and pseudogene mRNAs in the control of cancer. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P07019.	2.3	9
162	Effects of external stimulations on transition behaviors in neural network with time-delay. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 536, 122517.	2.6	9

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163	Structural Perturbations to Population Skeletons: Transient Dynamics, Coexistence of Attractors and the Rarity of Chaos. PLoS ONE, 2011, 6, e24200.	2.5	9
164	Percolation renormalization-group calculations of equations of state for the Potts model. Physical Review B, 1989, 39, 4449-4452.	3.2	8
165	Percolation, clusters, and properties of a dilute Potts model. Physical Review B, 1991, 44, 170-177.	3.2	8
166	Watanabe and Hu Reply:. Physical Review Letters, 2005, 95, .	7.8	8
167	Self-organizing behavior in a lattice model for co-evolution of virus and immune systems. Physical Review E, 2007, 75, 041104.	2.1	8
168	Hydrophobic condensation and modular assembly model of protein folding. BioSystems, 2008, 93, 78-89.	2.0	8
169	Phase statistics approach to human ventricular fibrillation. Physical Review E, 2009, 80, 051917.	2.1	8
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