

# Chin-Kun Hu

## List of Publications by Year in descending order

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287  
papers

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293  
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293  
docs citations

293  
times ranked

3646  
citing authors

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

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19	Logarithmic Conformal Field Theory and Boundary Effects in the Dimer Model. Physical Review Letters, 2005, 95, 260602.	7.8	63
20	Effect of Finite Size on Cooperativity and Rates of Protein Folding. Journal of Physical Chemistry A, 2006, 110, 671-676.	2.5	63
21	Empirical mode decomposition and synchrogram approach to cardiorespiratory synchronization. Physical Review E, 2006, 73, 051917.	2.1	63
22	Constructive role of noise in p53 regulatory network. Computer Physics Communications, 2011, 182, 249-250.	7.5	63
23	Eigen model as a quantum spin chain: Exact dynamics. Physical Review E, 2004, 69, 021913.	2.1	62
24	Paths to globally generalized synchronization in scale-free networks. Physical Review E, 2008, 77, 016202.	2.1	62
25	Synchronized state of coupled dynamics on time-varying networks. Chaos, 2006, 16, 015117.	2.5	61
26	Quasispecies theory for multiple-peak fitness landscapes. Physical Review E, 2006, 73, 041913.	2.1	59
27	Histogram Monte Carlo renormalization-group method for percolation problems. Physical Review B, 1992, 46, 6592-6595.	3.2	58
28	Synchronized clusters in coupled map networks. I. Numerical studies. Physical Review E, 2005, 72, 016211.	2.1	58
29	Site-bond-correlated percolation and a sublattice dilute Potts model at finite temperatures. Physical Review B, 1984, 29, 5109-5116.	3.2	57
30	Multifractal characterization of stochastic resonance. Physical Review E, 2001, 63, 041105.	2.1	56
31	Stochastic dynamical model for stock-stock correlations. Physical Review E, 2004, 70, 026101.	2.1	56
32	Solvable biological evolution model with a parallel mutation-selection scheme. Physical Review E, 2004, 69, 046121.	2.1	55
33	Exact Universal Amplitude Ratios for Two-Dimensional Ising Models and a Quantum Spin Chain. Physical Review Letters, 2001, 86, 5160-5163.	7.8	52
34	An enhanced version of SMMP—open-source software package for simulation of proteins. Computer Physics Communications, 2006, 174, 422-429.	7.5	49
35	Multiple stepwise refolding of immunoglobulin domain I27 upon force quench depends on initial conditions. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 93-98.	7.1	47
36	Histogram Monte Carlo renormalization group method for phase transition models without critical slowing down. Physical Review Letters, 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. Journal of Physics A, 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. Physical Review E, 2003, 67, 066114.	2.1	46
39	Universal finite-size scaling functions for percolation on three-dimensional lattices. Physical Review E, 1998, 58, 1521-1527.	2.1	45
40	A new analytical method for computing solvent-accessible surface area of macromolecules and its gradients. Journal of Computational Chemistry, 2005, 26, 334-343.	3.3	45
41	Synchronized clusters in coupled map networks. II. Stability analysis. Physical Review E, 2005, 72, 016212.	2.1	45
42	Refolding upon Force Quench and Pathways of Mechanical and Thermal Unfolding of Ubiquitin. Biophysical Journal, 2007, 92, 547-561.	0.5	45
43	Exact correlation functions of Bethe lattice spin models in external magnetic fields. Physical Review E, 1998, 58, 1644-1653.	2.1	43
44	Boundary conditions and scaling functions of percolation models. Journal of Physics A, 1994, 27, L813-L820.	1.6	42
45	Universal finite-size scaling functions for critical systems with tilted boundary conditions. Physical Review E, 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. Physical Review E, 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. Computer Physics Communications, 2005, 165, 59-96.	7.5	37
48	Anomalous diffusion in dynamical systems: Transport coefficients of all order. Physical Review E, 1993, 48, 728-733.	2.1	36
49	Exact spin-spin correlation functions of Bethe lattice Ising and BEG models in external fields. Physica A: Statistical Mechanics and Its Applications, 1998, 254, 198-206.	2.6	36
50	Cluster analysis and finite-size scaling for Ising spin systems. Physical Review E, 1999, 60, 2716-2720.	2.1	36
51	The Asymmetric Avalanche Process. Journal of Statistical Physics, 2003, 111, 1149-1182.	1.2	36
52	Chaotic Communication via Temporal Transfer Entropy. Physical Review Letters, 2008, 101, 244102.	7.8	36
53	Effect of Taiwan Mutation (D7H) on Structures of Amyloid- $\beta$ Peptides: Replica Exchange Molecular Dynamics Study. Journal of Physical Chemistry B, 2014, 118, 8972-8981.	2.6	36
54	Percolation and phase transitions of hard-core particles on lattices: Monte Carlo approach. Physical Review B, 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 $M=4$ 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. Physical Review B, 1989, 40, 5007-5014.	3.2	26
74	Exact partition functions of the Ising model on $M \times N$ planar lattices with periodic–aperiodic boundary conditions. Journal of Physics A, 2002, 35, 5189-5206.	1.6	26
75	Escape through an unstable limit cycle: Resonant activation. Physical Review E, 2006, 73, 061107.	2.1	26
76	Scaling and universality in transition to synchronous chaos with local-global interactions. Physical Review E, 2006, 73, 036212.	2.1	25
77	Lethal Mutants and Truncated Selection Together Solve a Paradox of the Origin of Life. PLoS ONE, 2011, 6, e21904.	2.5	25
78	Stabilization and Anomalous Hydration of Collagen Fibril under Heating. PLoS ONE, 2013, 8, e78526.	2.5	25
79	Phase diagram for the Eigen quasispecies theory with a truncated fitness landscape. Physical Review E, 2009, 79, 041905.	2.1	22
80	Heat capacity decomposition by partition function zeros for interacting self-avoiding walks. Europhysics Letters, 2013, 104, 20005.	2.0	22
81	Dual effect of crowders on fibrillation kinetics of polypeptide chains revealed by lattice models. Journal of Chemical Physics, 2013, 138, 185101.	3.0	22
82	On the adsorption of magnetite nanoparticles on lysozyme amyloid fibrils. Colloids and Surfaces B: Biointerfaces, 2016, 146, 794-800.	5.0	22
83	Typhoon eye trajectory based on a mathematical model: Comparing with observational data. Nonlinear Analysis: Real World Applications, 2010, 11, 1847-1861.	1.7	21
84	Colored noise, folding rates and departure from Kramers's™ behavior. Physical Chemistry Chemical Physics, 2010, 12, 11753.	2.8	21
85	Oligomerization of Peptides LVEALYL and RGFFYT and Their Binding Affinity to Insulin. PLoS ONE, 2013, 8, e65358.	2.5	21
86	Universal scaling functions for bond percolation on planar-random and square lattices with multiple percolating clusters. Physical Review E, 2001, 64, 016127.	2.1	20
87	Curvature effect on the surface diffusion of silver adatoms on carbon nanotubes: Deposition experiments and numerical simulations. Physical Review B, 2006, 74, .	3.2	20
88	Exact results for a correlated percolation model. Physica A: Statistical Mechanics and Its Applications, 1983, 119, 609-614.	2.6	19
89	Universal scaling functions and quantities in percolation models. Physica A: Statistical Mechanics and Its Applications, 1999, 266, 27-34.	2.6	19
90	Superscaling of Percolation on Rectangular Domains. Physical Review Letters, 2004, 93, 190601.	7.8	19

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

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109	Evolution models with lethal mutations on symmetric or random fitness landscapes. Physical Review E, 2010, 82, 011904.	2.1	15
110	Determination of melting temperature and temperature melting range for DNA with multi-peak differential melting curves. Analytical Biochemistry, 2015, 479, 28-36.	2.4	15
111	Impact of Mutations at C-Terminus on Structures and Dynamics of A $\beta$ 240 and A $\beta$ 242: A Molecular Simulation Study. Journal of Physical Chemistry B, 2017, 121, 4341-4354.	2.6	15
112	Geometrical factor and thermal properties of a sublattice dilute Potts model. Physical Review B, 1985, 32, 7325-7332.	3.2	14
113	Histogram Monte Carlo position-space renormalization group: Applications to the site percolation. Journal of Statistical Physics, 1996, 82, 1199-1206.	1.2	14
114	Partition function zeros of the Q-state Potts model for non-integer Q. Physica A: Statistical Mechanics and Its Applications, 2000, 281, 262-267.	2.6	14
115	Finite population size effects in quasispecies models with single-peak fitness landscape. Europhysics Letters, 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. Journal of Chemical Physics, 2016, 145, 045102.	3.0	14
118	Cluster-size distribution and the magnetic property of a Potts model. Physical Review B, 1986, 34, 6280-6287.	3.2	13
119	Large-cell renormalization group and order parameter for site percolation problems. Physical Review B, 1995, 51, 3922-3925.	3.2	13
120	Hu Replies:. Physical Review Letters, 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. Physical Review B, 1997, 55, 4551-4557.	3.2	13
122	Unzipping of DNA with correlated base sequence. Physical Review E, 2004, 69, 061908.	2.1	13
123	Exact probability distribution function for multifractal random walk models of stocks. Europhysics Letters, 2011, 95, 28007.	2.0	13
124	A structure-based model fails to probe the mechanical unfolding pathways of the titin I27 domain. Journal of Chemical Physics, 2013, 139, 065103.	3.0	13
125	The rich phase structure of a mutator model. Scientific Reports, 2016, 6, 34840.	3.3	13
126	Multicanonical parallel simulations of proteins with continuous potentials. Journal of Computational Chemistry, 2001, 22, 1287-1296.	3.3	12



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

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145	Percolation renormalization-group approach to the hard-square model. Physical Review B, 1991, 43, 6184-6185.	3.2	10
146	Critical point of the KagomÃ© Potts model: a Monte Carlo renormalization group and scaling determination. Journal of Physics A, 1998, 31, 7855-7864.	1.6	10
147	Polydispersity Effect and Universality of Finite-Size Scaling Function. Journal of the Physical Society of Japan, 2001, 70, 1537-1542.	1.6	10
148	Renormalization-group approach to an Abelian sandpile model on planar lattices. Physical Review E, 2002, 66, 021307.	2.1	10
149	Finite size behavior of the asymmetric avalanche process. Physica A: Statistical Mechanics and Its Applications, 2003, 321, 280-285.	2.6	10
150	Replicators in a Fine-Grained Environment: Adaptation and Polymorphism. Physical Review Letters, 2009, 102, 058102.	7.8	10
151	On the position of a vortex in a two-dimensional model of atmosphere. Nonlinear Analysis: Real World Applications, 2012, 13, 1941-1954.	1.7	10
152	Nonequilibrium Lyapunov function and a fluctuation relation for stochastic systems: Poisson-representation approach. Physical Review E, 2014, 89, 042132.	2.1	10
153	Percolation renormalisation group method and its application to the Potts model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 130, 436-442.	2.1	9
154	Percolation, fractals and the finite-size scaling of existence probability. Physica A: Statistical Mechanics and Its Applications, 1992, 189, 60-69.	2.6	9
155	Inversion Symmetry and Exact Critical Exponents of Dissipating Waves in the Sandpile Model. Physical Review Letters, 2000, 85, 4048-4051.	7.8	9
156	Critical behavior of semi-infinite random systems at the special surface transition. Physical Review E, 2002, 65, 066103.	2.1	9
157	Universality in critical exponents for toppling waves of the BTW sandpile model on two-dimensional lattices. Physica A: Statistical Mechanics and Its Applications, 2003, 318, 92-100.	2.6	9
158	The role of tryptophan in staphylococcal nuclease stability. Biophysical Chemistry, 2010, 151, 170-177.	2.8	9
159	Molecular Dynamics Approach to Aggregation of Polymer Chains with Monomers Connected by Springs. Journal of the Physical Society of Japan, 2010, 79, 104002.	1.6	9
160	Thermal stability of DNA with interstrand crosslinks. Biopolymers, 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. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07019.	2.3	9
162	Effects of external stimulations on transition behaviors in neural network with time-delay. Physica A: Statistical Mechanics and Its Applications, 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
170	Studying submicrosecond protein folding kinetics using a photolabile caging strategy and time-resolved photoacoustic calorimetry. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2973-2983.	2.6	8
171	Different fitnesses for in vivo and in vitro evolutions due to the finite generation-time effect. Physical Review E, 2010, 81, 061913.	2.1	8
172	Influence of strongly stabilized sites on DNA melting: A comparison of theory with experiment. Europhysics Letters, 2010, 91, 38003.	2.0	8
173	Eigen Model with Correlated Multiple Mutations and Solution of Error Catastrophe Paradox in the Origin of Life. Journal of the Physical Society of Japan, 2012, 81, 114801.	1.6	8
174	Finite-size corrections for logarithmic representations in critical dense polymers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 71-75.	4.1	8
175	Comparative thermal and thermodynamic study of DNA chemically modified with antitumor drug cisplatin and its inactive analog transplatin. Journal of Inorganic Biochemistry, 2014, 137, 85-93.	3.5	8
176	Oscillations in probability distributions for stochastic gene expression. Journal of Chemical Physics, 2014, 140, 205104.	3.0	8
177	Solution of classical evolutionary models in the limit when the diffusion approximation breaks down. Physical Review E, 2016, 94, 042422.	2.1	8
178	Circuit variability interacts with excitatory-inhibitory diversity of interneurons to regulate network encoding capacity. Scientific Reports, 2018, 8, 8027.	3.3	8
179	Comment on "Variational approximations for renormalization-group transformations". Physical Review B, 1979, 19, 529-532.	3.2	7
180	FORTTRAN code for the cluster Monte Carlo study of the q-state Potts model on D-dimensional hypercubic lattices. Computer Physics Communications, 1991, 66, 377-382.	7.5	7

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181	Scaling functions of the q-state Potts model on planar lattices. Physica A: Statistical Mechanics and Its Applications, 1993, 199, 198-218.	2.6	7
182	Hu replies. Physical Review Letters, 1993, 70, 2045-2045.	7.8	7
183	Random-cluster multihistogram sampling for the q-state Potts model. Physical Review E, 2002, 65, 036109.	2.1	7
184	Helix-coil transition in closed circular DNA. Physica A: Statistical Mechanics and Its Applications, 2005, 348, 327-338.	2.6	7
185	Glassy state of native collagen fibril?. Europhysics Letters, 2011, 95, 23001.	2.0	7
186	Analytical modelling for ultrasonic surface mechanical attrition treatment. AIP Advances, 2015, 5, .	1.3	7
187	Finite-size corrections and scaling for the dimer model on the checkerboard lattice. Physical Review E, 2016, 94, 052141.	2.1	7
188	Biological evolution model with conditional mutation rates. Physica A: Statistical Mechanics and Its Applications, 2017, 474, 32-38.	2.6	7
189	Accurate analytic solution of chemical master equations for gene regulation networks in a single cell. Physical Review E, 2018, 97, 012412.	2.1	7
190	Polymorphism in rapidly changing cyclic environment. Physical Review E, 2019, 100, 032401.	2.1	7
191	CRITICAL POINT OF THE KAGOME POTTS MODEL: A HISTOGRAM MONTE CARLO RENORMALIZATION GROUP DETERMINATION. Modern Physics Letters B, 1994, 08, 455-459.	1.9	6
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