

Yi-Cheng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

18,253
citations

57631

44
h-index

20307

116
g-index

119
all docs

119
docs citations

119
times ranked

8438
citing authors

#	ARTICLE	IF	CITATIONS
1	Negotiation problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 592, 126806.	1.2	2
2	Influence blocking maximization on networks: Models, methods and applications. <i>Physics Reports</i> , 2022, 976, 1-54.	10.3	13
3	Percolation on complex networks: Theory and application. <i>Physics Reports</i> , 2021, 907, 1-68.	10.3	141
4	The Stable Marriage Problem: An interdisciplinary review from the physicist's perspective. <i>Physics Reports</i> , 2021, 917, 1-79.	10.3	15
5	Ranking game on networks: The evolution of hierarchical society. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123140.	1.2	3
6	Computational network biology: Data, models, and applications. <i>Physics Reports</i> , 2020, 846, 1-66.	10.3	126
7	Significance of the Nested Structure in Multiplex World Trade Networks. <i>Complexity</i> , 2020, 2020, 1-9.	0.9	1
8	Multiscale community estimation based on temporary local balancing strategy. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050056.	0.8	2
9	Bridging nestedness and economic complexity in multilayer world trade networks. <i>Humanities and Social Sciences Communications</i> , 2020, 7, .	1.3	9
10	Optimal timescale for community detection in growing networks. <i>New Journal of Physics</i> , 2019, 21, 093066.	1.2	3
11	How Network Topologies Impact Project Alliance Performance: Evidence from the Movie Industry. <i>Entropy</i> , 2019, 21, 859.	1.1	9
12	Computational socioeconomics. <i>Physics Reports</i> , 2019, 817, 1-104.	10.3	87
13	Predicting Financial Extremes Based on Weighted Visual Graph of Major Stock Indices. <i>Complexity</i> , 2019, 2019, 1-17.	0.9	3
14	Uncovering the popularity mechanisms for Facebook applications. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 422-429.	1.2	4
15	Identifying online user reputation in terms of user preference. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 403-409.	1.2	13
16	Dynamics of Cooperation in Minority Games in Alliance Networks. <i>Sustainability</i> , 2018, 10, 4746.	1.6	5
17	Enhancing Countries' Fitness with Recommender Systems on the International Trade Network. <i>Complexity</i> , 2018, 2018, 1-12.	0.9	2
18	Economic Complexity Based Recommendation Enhance the Efficiency of the Belt and Road Initiative. <i>Entropy</i> , 2018, 20, 718.	1.1	5

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19	Social signature identification of dynamical social networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 508, 213-222.	1.2	4
20	Randomizing growing networks with a time-respecting null model. <i>Physical Review E</i> , 2018, 97, 052311.	0.8	13
21	Structure-oriented prediction in complex networks. <i>Physics Reports</i> , 2018, 750, 1-51.	10.3	36
22	Application of Markov chain approach for multi-attributes dynamic software reliability assessment under both AHP and gray correlation methods. <i>International Journal of Modern Physics C</i> , 2018, 29, 1840008.	0.8	4
23	Ranking in evolving complex networks. <i>Physics Reports</i> , 2017, 689, 1-54.	10.3	180
24	A dynamical approach to identify vertices' centrality in complex networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3972-3977.	0.9	1
25	Vital nodes identification in complex networks. <i>Physics Reports</i> , 2016, 650, 1-63.	10.3	895
26	Recovery rate affects the effective epidemic threshold with synchronous updating. <i>Chaos</i> , 2016, 26, 063108.	1.0	38
27	Dynamics of information diffusion and its applications on complex networks. <i>Physics Reports</i> , 2016, 651, 1-34.	10.3	338
28	Identification of milestone papers through time-balanced network centrality. <i>Journal of Informetrics</i> , 2016, 10, 1207-1223.	1.4	59
29	Identification and impact of discoverers in online social systems. <i>Scientific Reports</i> , 2016, 6, 34218.	1.6	11
30	Separate density and viscosity measurements of unknown liquid using quartz crystal microbalance. <i>AIP Advances</i> , 2016, 6, .	0.6	19
31	The mathematics of non-linear metrics for nested networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 460, 254-269.	1.2	20
32	A generalized model via random walks for information filtering. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2608-2614.	0.9	7
33	Analysis of ground state in random bipartite matching. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 397-402.	1.2	5
34	Modeling mutual feedback between users and recommender systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P07020.	0.9	13
35	Ranking nodes in growing networks: When PageRank fails. <i>Scientific Reports</i> , 2015, 5, 16181.	1.6	47
36	Prediction in complex systems: The case of the international trade network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 188-199.	1.2	45

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37	Predicting missing links via correlation between nodes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 436, 216-223.	1.2	34
38	Measuring economic complexity of countries and products: which metric to use?. <i>European Physical Journal B</i> , 2015, 88, 1.	0.6	67
39	Toward link predictability of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2325-2330.	3.3	315
40	Statistical mechanics of competitive resource allocation using agent-based models. <i>Physics Reports</i> , 2015, 552, 1-25.	10.3	79
41	Dynamics of social contagions with limited contact capacity. <i>Chaos</i> , 2015, 25, 103102.	1.0	34
42	Optimizing Online Social Networks for Information Propagation. <i>PLoS ONE</i> , 2014, 9, e96614.	1.1	7
43	Similarity from Multi-Dimensional Scaling: Solving the Accuracy and Diversity Dilemma in Information Filtering. <i>PLoS ONE</i> , 2014, 9, e111005.	1.1	8
44	Information filtering by similarity-preferential diffusion processes. <i>Europhysics Letters</i> , 2014, 105, 58002.	0.7	37
45	Firm competition in a probabilistic framework of consumer choice. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 400, 47-56.	1.2	5
46	Ranking Reputation and Quality in Online Rating Systems. <i>PLoS ONE</i> , 2014, 9, e97146.	1.1	45
47	Broader scopes of the reflexivity principle in the economy. <i>Journal of Economic Methodology</i> , 2013, 20, 446-453.	0.6	2
48	Membership in social networks and the application in information filtering. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	3
49	Adaptive social recommendation in a multiple category landscape. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	6
50	TREND PREDICTION IN TEMPORAL BIPARTITE NETWORKS: THE CASE OF MOVIELENS, NETFLIX, AND DIGG. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013, 16, 1350024.	0.9	34
51	Path diversity improves the identification of influential spreaders. <i>Europhysics Letters</i> , 2013, 104, 68006.	0.7	72
52	Information Filtering in Sparse Online Systems: Recommendation via Semi-Local Diffusion. <i>PLoS ONE</i> , 2013, 8, e79354.	1.1	14
53	Minority Games. , 2013, , 1-26.		0
54	The reinforcing influence of recommendations on global diversification. <i>Europhysics Letters</i> , 2012, 97, 18005.	0.7	32

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55	Enhancing topology adaptation in information-sharing social networks. <i>Physical Review E</i> , 2012, 85, 046108.	0.8	17
56	Recommender systems. <i>Physics Reports</i> , 2012, 519, 1-49.	10.3	814
57	Identifying influential nodes in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1777-1787.	1.2	890
58	Minority Games. , 2012, , 1863-1879.		1
59	Effective mechanism for social recommendation of news. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2117-2126.	1.2	41
60	Tag-Aware Recommender Systems: A State-of-the-Art Survey. <i>Journal of Computer Science and Technology</i> , 2011, 26, 767-777.	0.9	136
61	Information filtering via weighted heat conduction algorithm. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2414-2420.	1.2	35
62	Emergence of Scale-Free Leadership Structure in Social Recommender Systems. <i>PLoS ONE</i> , 2011, 6, e20648.	1.1	55
63	Leaders in Social Networks, the Delicious Case. <i>PLoS ONE</i> , 2011, 6, e21202.	1.1	545
64	Collaborative filtering with diffusion-based similarity on tripartite graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1259-1264.	1.2	80
65	Effects of high-order correlations on personalized recommendations for bipartite networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 881-886.	1.2	51
66	Personalized recommendation via integrated diffusion on user-item-tag tripartite graphs. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 179-186.	1.2	204
67	Solving the apparent diversity-accuracy dilemma of recommender systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4511-4515.	3.3	788
68	Analysis of Kelly-optimal portfolios. <i>Quantitative Finance</i> , 2010, 10, 689-697.	0.9	14
69	Empirical analysis of web-based user-object bipartite networks. <i>Europhysics Letters</i> , 2010, 90, 48006.	0.7	112
70	DEGREE CORRELATION OF BIPARTITE NETWORK ON PERSONALIZED RECOMMENDATION. <i>International Journal of Modern Physics C</i> , 2010, 21, 137-147.	0.8	21
71	Solving the cold-start problem in recommender systems with social tags. <i>Europhysics Letters</i> , 2010, 92, 28002.	0.7	148
72	Accurate and diverse recommendations via eliminating redundant correlations. <i>New Journal of Physics</i> , 2009, 11, 123008.	1.2	108

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73	EFFECTS OF USER'S TASTES ON PERSONALIZED RECOMMENDATION. International Journal of Modern Physics C, 2009, 20, 1925-1932.	0.8	37
74	Relevance is more significant than correlation: Information filtering on sparse data. Europhysics Letters, 2009, 88, 68008.	0.7	44
75	Adaptive model for recommendation of news. Europhysics Letters, 2009, 88, 38005.	0.7	68
76	Collaborative filtering based on multi-channel diffusion. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4867-4871.	1.2	21
77	Predicting missing links via local information. European Physical Journal B, 2009, 71, 623-630.	0.6	1,277
78	Information filtering via self-consistent refinement. Europhysics Letters, 2008, 82, 58007.	0.7	64
79	Heat Conduction Process on Community Networks as a Recommendation Model. Physical Review Letters, 2007, 99, 154301.	2.9	192
80	Bipartite network projection and personal recommendation. Physical Review E, 2007, 76, 046115.	0.8	830
81	Exploring an opinion network for taste prediction: An empirical study. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 753-758.	1.2	27
82	Decoding information from noisy, redundant, and intentionally distorted sources. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 732-744.	1.2	37
83	TOWARDS A NEW INFORMATION THEORY. International Journal of Modern Physics B, 2004, 18, 2361-2364.	1.0	1
84	Dynamical spin-glass-like behavior in an evolutionary game. Physica A: Statistical Mechanics and Its Applications, 2001, 289, 290-300.	1.2	17
85	Extracting Hidden Information from Knowledge Networks. Physical Review Letters, 2001, 87, 248701.	2.9	86
86	Modeling market mechanism with minority game. Physica A: Statistical Mechanics and Its Applications, 2000, 276, 284-315.	1.2	153
87	Discretized Diffusion Processes. Physical Review Letters, 2000, 85, 4848-4851.	2.9	10
88	Universal $1/f$ Noise from Dissipative Self-Organized Criticality Models. Physical Review Letters, 1999, 82, 472-475.	2.9	66
89	Capital flow in a two-component dynamical system. Physica A: Statistical Mechanics and Its Applications, 1999, 272, 257-268.	1.2	24
90	Dynamical optimization theory of a diversified portfolio. Physica A: Statistical Mechanics and Its Applications, 1998, 253, 403-418.	1.2	67

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91	Evolving Models of Financial Markets. Europhysics News, 1998, 29, 51-54.	0.1	87
92	On the minority game: Analytical and numerical studies. Physica A: Statistical Mechanics and Its Applications, 1998, 256, 514-532.	1.2	317
93	Comment on "Role of Intermittency in Urban Development: A Model of Large-Scale City Formation". Physical Review Letters, 1998, 80, 4830-4830.	2.9	11
94	Overhangs in interface growth and ground-state paths. Physical Review E, 1998, 57, 4814-4816.	0.8	11
95	Directed Polymers on a Factorized Disorder Landscape. Physical Review Letters, 1998, 81, 1023-1026.	2.9	8
96	"Self-organized" formulation of standard percolation phenomena. Physica A: Statistical Mechanics and Its Applications, 1996, 224, 169-179.	1.2	95
97	Self-organized critical directed percolation. Physica A: Statistical Mechanics and Its Applications, 1996, 223, 1-6.	1.2	26
98	Ground State Wave Function of a Schrödinger-Like Equation in a Time Periodic Potential. Physical Review Letters, 1996, 77, 4118-4121.	2.9	2
99	Kinetic roughening phenomena, stochastic growth, directed polymers and all that. Aspects of multidisciplinary statistical mechanics. Physics Reports, 1995, 254, 215-414.	10.3	1,289
100	Exactly Solved Model of Self-Organized Criticality. Physical Review Letters, 1995, 75, 1550-1553.	2.9	42
101	Non-linear Langevin model of geomorphic erosion processes. Geophysical Journal International, 1993, 113, 382-386.	1.0	36
102	Multifractality of growing surfaces. Physical Review A, 1992, 45, R6951-R6954.	1.0	62
103	Feng, Golubovič, and Zhang reply. Physical Review Letters, 1991, 66, 2177-2177.	2.9	4
104	Novel scaling behavior of directed polymers: Disorder distribution with long tails. Journal of Statistical Physics, 1990, 61, 885-889.	0.5	13
105	Growth anomaly and its implications. Physica A: Statistical Mechanics and Its Applications, 1990, 170, 1-13.	1.2	48
106	Replica scaling analysis of interfaces in random media. Physical Review B, 1990, 42, 4897-4900.	1.1	36
107	Directed Wave Propagation in Random Media: Superdiffusion and Phase Transitions. Physical Review Letters, 1990, 65, 1028-1031.	2.9	31
108	Non-universal roughening of kinetic self-affine interfaces. Journal De Physique, 1990, 51, 2129-2134.	1.8	107

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109	Directed Polymers with Complex Amplitudes. Physical Review Letters, 1989, 62, 979-979.	2.9	23
110	Directed Polymers with Complex Amplitudes. Europhysics Letters, 1989, 9, 113-118.	0.7	38
111	Directed polymers in Hartree-Fock approximation. Journal of Statistical Physics, 1989, 57, 1123-1128.	0.5	21
112	Scaling theory of self-organized criticality. Physical Review Letters, 1989, 63, 470-473.	2.9	239
113	Burgers equation with correlated noise: Renormalization-group analysis and applications to directed polymers and interface growth. Physical Review A, 1989, 39, 3053-3075.	1.0	616
114	Surface Growth, Directed Polymers, and 1/f Noise. , 1989, , 337-346.		0
115	Ground state instability of a random system. Physical Review Letters, 1987, 59, 2125-2128.	2.9	47
116	Scaling of Directed Polymers in Random Media. Physical Review Letters, 1987, 58, 2087-2090.	2.9	491
117	Dynamic Scaling of Growing Interfaces. Physical Review Letters, 1986, 56, 889-892.	2.9	4,448
118	Kardar, Parisi, and Zhang Respond. Physical Review Letters, 1986, 57, 1810-1810.	2.9	10
119	Eden Model in Many Dimensions. Physical Review Letters, 1984, 53, 1791-1794.	2.9	42