

# Xin-Jian Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

1,767  
citations

279778

23  
h-index

276858

41  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1407  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of awareness on epidemic spreading in networks. <i>Chaos</i> , 2012, 22, 013101.	2.5	189
2	Evolutionary prisoner's dilemma game with dynamic preferential selection. <i>Physical Review E</i> , 2006, 74, 021107.	2.1	187
3	Spatial prisoner's dilemma game with volunteering in Newman-Watts small-world networks. <i>Physical Review E</i> , 2005, 71, 037103.	2.1	167
4	Evolutionary prisoner's dilemma game on Barabási-Albert scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 672-680.	2.6	112
5	PPIM: A Protein-Protein Interaction Database for Maize. <i>Plant Physiology</i> , 2016, 170, 618-626.	4.8	85
6	Transcriptome sequencing uncovers a three-long noncoding RNA signature in predicting breast cancer survival. <i>Scientific Reports</i> , 2016, 6, 27931.	3.3	68
7	Promotion of cooperation induced by nonlinear attractive effect in spatial Prisoner's Dilemma game. <i>Europhysics Letters</i> , 2006, 76, 1214-1220.	2.0	64
8	Vaccination intervention on epidemic dynamics in networks. <i>Physical Review E</i> , 2013, 87, 022813.	2.1	58
9	Epidemic spreading with time delay in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 367, 525-530.	2.6	54
10	Prisoner's Dilemma Game with Heterogeneous Influential Effect on Regular Small-World Networks. <i>Chinese Physics Letters</i> , 2006, 23, 531-534.	3.3	54
11	Epidemic spreading on contact networks with adaptive weights. <i>Journal of Theoretical Biology</i> , 2013, 317, 133-139.	1.7	45
12	Melanoma long non-coding RNA signature predicts prognostic survival and directs clinical risk-specific treatments. <i>Journal of Dermatological Science</i> , 2017, 85, 226-234.	1.9	44
13	Impacts of preference and geography on epidemic spreading. <i>Physical Review E</i> , 2007, 76, 056109.	2.1	32
14	Walks on Apollonian networks. <i>European Physical Journal B</i> , 2006, 51, 549-553.	1.5	30
15	Excitable Greenberg-Hastings cellular automaton model on scale-free networks. <i>Physical Review E</i> , 2007, 75, 032901.	2.1	30
16	Prevention of infectious diseases by public vaccination and individual protection. <i>Journal of Mathematical Biology</i> , 2016, 73, 1561-1594.	1.9	30
17	Walks on Weighted Networks. <i>Chinese Physics Letters</i> , 2007, 24, 577-580.	3.3	28
18	Adaptive synchronization and pinning control of colored networks. <i>Chaos</i> , 2012, 22, 043137.	2.5	28

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19	Generalized matrix projective synchronization of general colored networks with different-dimensional node dynamics. <i>Journal of the Franklin Institute</i> , 2014, 351, 4584-4595.	3.4	27
20	Promote cooperation by localised small-world communication. <i>Europhysics Letters</i> , 2008, 81, 28001.	2.0	25
21	Projective-anticipating, projective, and projective-lag synchronization of time-delayed chaotic systems on random networks. <i>Chaos</i> , 2008, 18, 023117.	2.5	25
22	A Five-Gene Signature Predicts Prognosis in Patients with Kidney Renal Clear Cell Carcinoma. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-7.	1.3	25
23	Epidemic spreading in lattice-embedded scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 377, 125-130.	2.6	24
24	Contagion on complex networks with persuasion. <i>Scientific Reports</i> , 2016, 6, 23766.	3.3	20
25	GEOGRAPHICAL EFFECTS ON EPIDEMIC SPREADING IN SCALE-FREE NETWORKS. <i>International Journal of Modern Physics C</i> , 2006, 17, 1815-1822.	1.7	19
26	Generating structured networks based on a weight-dependent deactivation mechanism. <i>Physical Review E</i> , 2005, 71, 066124.	2.1	17
27	THE SIS MODEL WITH TIME DELAY ON COMPLEX NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 623-628.	1.7	17
28	Effects of degree distribution in mutual synchronization of neural networks. <i>Physical Review E</i> , 2006, 74, 041915.	2.1	15
29	Response of degree-correlated scale-free networks to stimuli. <i>Physical Review E</i> , 2007, 75, 046113.	2.1	15
30	Synchronization of coupled logistic maps on random community networks. <i>Chinese Physics B</i> , 2008, 17, 1951-1956.	1.4	15
31	De Novo Assembly and Characterization of <i>Sophora japonica</i> Transcriptome Using RNA-seq. <i>BioMed Research International</i> , 2014, 2014, 1-9.	1.9	15
32	Influence of synaptic interaction on firing synchronization and spike death in excitatory neuronal networks. <i>Physical Review E</i> , 2008, 78, 061906.	2.1	14
33	Identification of Gene and MicroRNA Signatures for Oral Cancer Developed from Oral Leukoplakia. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	14
34	Growing community networks with local events. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1273-1278.	2.6	12
35	Coevolutionary dynamics of networks and games under birth-death and birth mechanisms. <i>European Physical Journal B</i> , 2007, 58, 493-498.	1.5	11
36	Network evolution by nonlinear preferential rewiring of edges. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2429-2434.	2.6	11

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37	Temporal prediction of epidemic patterns in community networks. <i>New Journal of Physics</i> , 2013, 15, 113033.	2.9	10
38	Opinion formation on multiplex scale-free networks. <i>Europhysics Letters</i> , 2018, 121, 26002.	2.0	10
39	Dynamics of the threshold model on hypergraphs. <i>Chaos</i> , 2022, 32, 023125.	2.5	10
40	Properties of weighted structured scale-free networks. <i>European Physical Journal B</i> , 2005, 45, 385-390.	1.5	8
41	Phase Locking Phenomena and Electroencephalogram-Like Activities in Dynamic Neuronal Systems. <i>Chinese Physics Letters</i> , 2005, 22, 507-509.	3.3	8
42	Improving consensual performance of multi-agent systems in weighted scale-free networks. <i>Chinese Physics B</i> , 2009, 18, 4217-4221.	1.4	8
43	Dynamics of opinion formation under majority rules on complex social networks. <i>Scientific Reports</i> , 2020, 10, 456.	3.3	8
44	Universal behavior of the linear threshold model on weighted networks. <i>Journal of Parallel and Distributed Computing</i> , 2019, 123, 223-229.	4.1	7
45	An Integrating Immune-Related Signature to Improve Prognosis of Hepatocellular Carcinoma. <i>Computational and Mathematical Methods in Medicine</i> , 2020, 2020, 1-13.	1.3	7
46	STEADY STATES OF EPIDEMIC SPREADING IN SMALL-WORLD NETWORKS. <i>International Journal of Modern Physics C</i> , 2004, 15, 1471-1477.	1.7	6
47	PROPERTIES OF WEIGHTED COMPLEX NETWORKS. <i>International Journal of Modern Physics C</i> , 2006, 17, 521-529.	1.7	6
48	Comment on "Maximal planar networks with large clustering coefficient and power-law degree distribution". <i>Physical Review E</i> , 2006, 73, 058101; author reply 058102.	2.1	5
49	Modeling nonuniversal citation distributions: the role of scientific journals. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2014, 2014, P04029.	2.3	5
50	Rank-dependent deactivation in network evolution. <i>Physical Review E</i> , 2009, 80, 066105.	2.1	4
51	MUTUAL SELECTION IN NETWORK EVOLUTION: THE ROLE OF THE INTRINSIC FITNESS. <i>International Journal of Modern Physics C</i> , 2010, 21, 129-135.	1.7	4
52	Sparse connection density underlies the maximal functional difference between random and scale-free networks. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	4
53	An eight-mRNA signature predicts the prognosis of patients with bladder urothelial carcinoma. <i>PeerJ</i> , 2019, 7, e7836.	2.0	4
54	Synchronization of Coupled Oscillators on Newman's Watts Small-World Networks. <i>Chinese Physics Letters</i> , 2006, 23, 1410-1413.	3.3	3

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55	Simple reaction-diffusion population model on scale-free networks. <i>Physical Review E</i> , 2008, 78, 047101.	2.1	3
56	Evolution of Weighted Networks with Exponential Aging of Sites. <i>Chinese Physics Letters</i> , 2005, 22, 1548-1551.	3.3	2
57	Risk Estimate of Diseases in Scale-Free Networks. <i>Chinese Physics Letters</i> , 2008, 25, 2311-2314.	3.3	2
58	Effect of fitness on mutual selection in network evolution. <i>Physics Procedia</i> , 2010, 3, 1795-1799.	1.2	2
59	Fitness-driven deactivation in network evolution. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010, 2010, P12020.	2.3	2
60	MODELING CITATION NETWORKS BASED ON VIGOROUSNESS AND DORMANCY. <i>Modern Physics Letters B</i> , 2013, 27, 1350155.	1.9	2
61	Impact of directionality and correlation on contagion. <i>Scientific Reports</i> , 2018, 8, 4814.	3.3	2
62	Prognostic Value of a Three-DNA Methylation Biomarker in Patients with Soft Tissue Sarcoma. <i>Journal of Oncology</i> , 2020, 2020, 1-11.	1.3	2
63	Heuristic Strategies for Persuader Selection in Contagions on Complex Networks. <i>PLoS ONE</i> , 2017, 12, e0169771.	2.5	2
64	Local effects in synchronization on an extended network model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 371, 790-794.	2.6	1
65	Mobile agents affect worm spreading in wireless ad hoc networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009, 2009, P09005.	2.3	1
66	Rank-based deactivation model for networks with age. <i>Chinese Physics B</i> , 2013, 22, 018903.	1.4	1
67	Quantum transport with long-range steps on Watts&Strogatz networks. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650015.	1.7	1
68	A comparative study of online communities and popularity of BBS in four Chinese universities. <i>PLoS ONE</i> , 2020, 15, e0234469.	2.5	1
69	COUPLING PARAMETER IN SYNCHRONIZATION OF SMALL-WORLD NEURAL NETWORKS. <i>International Journal of Modern Physics C</i> , 2005, 16, 1841-1848.	1.7	0
70	EXACT SOLUTION OF POPULATION REDISTRIBUTIONS IN A MIGRATION MODEL. <i>International Journal of Modern Physics C</i> , 2013, 24, 1350067.	1.7	0
71	Statistics of Leaders in Index-Driven Networks. <i>Chinese Physics Letters</i> , 2013, 30, 058901.	3.3	0
72	Impacts of Local Events on Communities and Diseases. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 339-350.	0.3	0