Huijuan Wang

List of Publications by Year
in descending order

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39	1,194	516561	377752
papers	citations	16 h-index	34 g-index

39	39	39	1019
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of the interconnected network structure on the epidemic threshold. Physical Review E, 2013, 88, 022801.	0.8	148
2	Decreasing the spectral radius of a graph by link removals. Physical Review E, 2011, 84, 016101.	0.8	128
3	Betweenness centrality in a weighted network. Physical Review E, 2008, 77, 046105.	0.8	111
4	Influence of assortativity and degree-preserving rewiring on the spectra of networks. European Physical Journal B, 2010, 76, 643-652.	0.6	108
5	The robustness of interdependent clustered networks. Europhysics Letters, 2013, 101, 18002.	0.7	97
6	Correlation between centrality metrics and their application to the opinion model. European Physical Journal B, 2015, 88, 1.	0.6	87
7	Decentralized Protection Strategies Against SIS Epidemics in Networks. IEEE Transactions on Control of Network Systems, 2015, 2, 406-419.	2.4	49
8	Non-consensus Opinion Models on Complex Networks. Journal of Statistical Physics, 2013, 151, 92-112.	0.5	46
9	Epidemic threshold in directed networks. Physical Review E, 2013, 88, 062802.	0.8	37
10	SIS Epidemic Spreading with Heterogeneous Infection Rates. IEEE Transactions on Network Science and Engineering, 2017, 4, 177-186.	4.1	37
11	Modelling of information diffusion on social networks with applications to WeChat. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 318-329.	1.2	33
12	Epidemics in Interconnected Small-World Networks. PLoS ONE, 2015, 10, e0120701.	1.1	32
13	Epidemics on interconnected lattices. Europhysics Letters, 2014, 105, 68004.	0.7	29
14	Information diffusion backbones in temporal networks. Scientific Reports, 2019, 9, 6798.	1.6	27
15	Complete game-theoretic characterization of SIS epidemics protection strategies. , 2014, , .		22
16	Susceptible-infected-spreading-based network embedding in static and temporal networks. EPJ Data Science, 2020, 9, .	1.5	21
17	SIS epidemic spreading with correlated heterogeneous infection rates. Physica A: Statistical Mechanics and Its Applications, 2017, 472, 13-24.	1.2	19
18	Assortativity of complementary graphs. European Physical Journal B, 2011, 83, 203-214.	0.6	18

#	Article	IF	Citations
19	Bounds for the spectral radius of a graph when nodes are removed. Linear Algebra and Its Applications, 2012, 437, 319-323.	0.4	18
20	The Observable Part of a Network. IEEE/ACM Transactions on Networking, 2009, 17, 93-105.	2.6	15
21	Epidemic mitigation via awareness propagation in communication networks: the role of time scales. New Journal of Physics, 2017, 19, 073039.	1.2	15
22	Nonconsensus opinion model on directed networks. Physical Review E, 2014, 90, 052811.	0.8	14
23	Graphs with given diameter maximizing the algebraic connectivity. Linear Algebra and Its Applications, 2010, 433, 1889-1908.	0.4	12
24	Ranking of Nodal Infection Probability in Susceptible-Infected-Susceptible Epidemic. Scientific Reports, 2017, 7, 9233.	1.6	12
25	Resilience of epidemics for SIS model on networks. Chaos, 2017, 27, 083105.	1.0	10
26	Self-avoiding pruning random walk on signed network. New Journal of Physics, 2019, 21, 035001.	1.2	10
27	The Accuracy of Mean-Field Approximation for Susceptible-Infected-Susceptible Epidemic Spreading with Heterogeneous Infection Rates. Studies in Computational Intelligence, 2017, , 499-510.	0.7	7
28	Modeling airport congestion contagion by heterogeneous SIS epidemic spreading on airline networks. PLoS ONE, 2021, 16, e0245043.	1.1	6
29	Temporal Network Prediction and Interpretation. IEEE Transactions on Network Science and Engineering, 2022, 9, 1215-1224.	4.1	6
30	Suppressing Information Diffusion via Link Blocking in Temporal Networks. Studies in Computational Intelligence, 2020, , 448-458.	0.7	5
31	Mitigate SIR epidemic spreading via contact blocking in temporal networks. Applied Network Science, 2022, 7, 2.	0.8	4
32	Impact of structural balance on Self-Avoiding Pruning Walk. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 362-374.	1.2	3
33	Influence of clustering coefficient on network embedding in link prediction. Applied Network Science, 2022, 7, .	0.8	3
34	Characterizing Temporal Bipartite Networks - Sequential- Versus Cross-Tasking. Studies in Computational Intelligence, 2019, , 28-39.	0.7	2
35	Modeling Airport Congestion ContagionÂby SIS Epidemic SpreadingÂonÂAirlineÂNetworks. Studies in Computational Intelligence, 2020, , 385-398.	0.7	1
36	Information Diffusion Backbone. Computational Social Sciences, 2019, , 199-217.	0.4	1

#	Article	IF	Citations
37	Suppressing Epidemic Spreading via Contact Blocking in Temporal Networks. Studies in Computational Intelligence, 2021, , 444-454.	0.7	1
38	New Lower Bounds for the Fundamental Weight of the Principal Eigenvector in Complex Networks. , 2014, , .		0
39	Design of robust dependent networks against flow-based cascading failures. , 2014, , .		0