Wei Wang

List of Publications by Year
in descending order

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110 papers	2,697 citations	218677 26 h-index	214800 47 g-index
110 all docs	110 docs citations	110 times ranked	1375 citing authors

#	Article	IF	Citations
1	Interlayer Link Prediction in Multiplex Social Networks Based on Multiple Types of Consistency Between Embedding Vectors. IEEE Transactions on Cybernetics, 2023, 53, 2426-2439.	9.5	5
2	IDEA: A utility-enhanced approach to incomplete data stream anonymization. Tsinghua Science and Technology, 2022, 27, 127-140.	6.1	12
3	Competing spreading dynamics in simplicial complex. Applied Mathematics and Computation, 2022, 412, 126595.	2.2	35
4	Information spreading on metapopulation networks with heterogeneous contacting. International Journal of Modern Physics C, 2022, 33, .	1.7	2
5	Markovian approach to tackle competing pathogens in simplicial complex. Applied Mathematics and Computation, 2022, 417, 126773.	2.2	20
6	Generalized <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:mi>k</mml:mi></mml:math>-core percolation on higher-order dependent networks. Applied Mathematics and Computation, 2022, 420, 126793.	2.2	18
7	Higher-order percolation in simplicial complexes. Chaos, Solitons and Fractals, 2022, 155, 111701.	5.1	22
8	Interlayer link prediction based on multiple network structural attributes. Computer Networks, 2022, 203, 108651.	5.1	7
9	Network structural perturbation against interlayer link prediction. Knowledge-Based Systems, 2022, 250, 109095.	7.1	4
10	Percolation on simplicial complexes. Applied Mathematics and Computation, 2022, 431, 127330.	2.2	5
11	Homophily in competing behavior spreading among the heterogeneous population with higher-order interactions. Applied Mathematics and Computation, 2022, 432, 127380.	2.2	17
12	Effective control of SARS-CoV-2 transmission in Wanzhou, China. Nature Medicine, 2021, 27, 86-93.	30.7	60
13	DeepEC: Adversarial attacks against graph structure prediction models. Neurocomputing, 2021, 437, 168-185.	5.9	12
14	Information diffusion structure on social networks with general degree distribution. International Journal of Modern Physics C, 2021, 32, 2150047.	1.7	1
15	Optimal networks for dynamical spreading. Physical Review E, 2021, 103, 012302.	2.1	13
16	Anomalous role of information diffusion in epidemic spreading. Physical Review Research, 2021, 3, .	3.6	27
17	Effects of destination selection strategy on information spreading. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 389, 127098.	2.1	6
18	Towards link inference attack against network structure perturbation. Knowledge-Based Systems, 2021, 218, 106674.	7.1	15

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19	Predicting hyperlinks via hypernetwork loop structure. Europhysics Letters, 2021, 135, 48005.	2.0	13
20	Improving adversarial robustness of deep neural networks by using semantic information. Knowledge-Based Systems, 2021, 226, 107141.	7.1	11
21	Allocating resources for epidemic spreading on metapopulation networks. Applied Mathematics and Computation, 2021, 411, 126531.	2.2	11
22	Cascading failures in multiplex network under flow redistribution. Physica A: Statistical Mechanics and Its Applications, 2021, 583, 126340.	2.6	6
23	Dynamical Modeling, Analysis, and Control of Information Diffusion over Social Networks. Discrete Dynamics in Nature and Society, 2021, 2021, 1-2.	0.9	0
24	Information Spreading on Two-Layered Multiplex Networks With Limited Contact. IEEE Access, 2020, 8, 104316-104325.	4.2	10
25	Impact of the heterogeneity of adoption thresholds on behavior spreading in complex networks. Applied Mathematics and Computation, 2020, 386, 125504.	2.2	15
26	Network temporality can promote and suppress information spreading. Chaos, 2020, 30, 113136.	2.5	7
27	Effects of heterogeneous self-protection awareness on resource-epidemic coevolution dynamics. Applied Mathematics and Computation, 2020, 385, 125428.	2.2	26
28	The Influence of Network Structural Preference on Link Prediction. Discrete Dynamics in Nature and Society, 2020, 2020, 1-9.	0.9	2
29	Containing Epidemic Spreading on Networks with Neighbor Resource Supporting. Complexity, 2020, 2020, 1-13.	1.6	0
30	Multi-View Low-Rank Coding-Based Network Data De-Anonymization. IEEE Access, 2020, 8, 94575-94593.	4.2	4
31	NetSRE: Link predictability measuring and regulating. Knowledge-Based Systems, 2020, 196, 105800.	7.1	17
32	Effective Edge-Based Approach for Promoting the Spreading of Information. IEEE Access, 2020, 8, 83745-83753.	4.2	7
33	Security Analysis of CPS Systems Under Different Swapping Strategies in IoT Environments. IEEE Access, 2020, 8, 63567-63576.	4.2	22
34	Self-Awareness-Based Resource Allocation Strategy for Containment of Epidemic Spreading. Complexity, 2020, 2020, 1-12.	1.6	12
35	Interlayer link prediction in multiplex social networks: An iterative degree penalty algorithm. Knowledge-Based Systems, 2020, 194, 105598.	7.1	29
36	Containing rumors spreading on correlated multiplex networks. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 023402.	2.3	10

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37	Analysis of E-mail Account Probing Attack Based on Graph Mining. Scientific Reports, 2020, 10, 7240.	3.3	1
38	The optimal edge for containing the spreading of SIS model. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 043501.	2.3	5
39	Complex Social Contagions on Weighted Networks Considering Adoption Threshold Heterogeneity. IEEE Access, 2020, 8, 61905-61914.	4.2	2
40	Phase diagrams of interacting spreading dynamics in complex networks. Physical Review Research, 2020, 2, .	3.6	22
41	Shortest path of temporal networks: An information spreading-based approach. Chinese Physics B, 2020, 29, 128902.	1.4	1
42	Phase transition of a generalized contact process on complex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122218.	2.6	3
43	Effective traffic-flow assignment strategy on multilayer networks. Physical Review E, 2019, 100, 012310.	2.1	32
44	Coevolution spreading in complex networks. Physics Reports, 2019, 820, 1-51.	25.6	180
45	Optimizing spreading dynamics in interconnected networks. Chaos, 2019, 29, 103106.	2.5	5
46	Structural Predictability Optimization Against Inference Attacks in Data Publishing. IEEE Access, 2019, 7, 92119-92136.	4.2	6
47	Optimal interlayer structure for promoting spreading of the susceptible-infected-susceptible model in two-layer networks. Physical Review E, 2019, 100, 022316.	2.1	27
48	Dynamics on Hybrid Complex Network: Botnet Modeling and Analysis of Medical IoT. Security and Communication Networks, 2019, 2019, 1-14.	1.5	11
49	Irreversible contact process on complex networks with dynamical recovery probability. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121336.	2.6	4
50	Interconnecting strategy of bridging multilayer networks to maximize synchronizability. Europhysics Letters, 2019, 125, 18003.	2.0	4
51	Social reinforcement inducing discontinuous spreading in complex networks. Europhysics Letters, 2019, 128, 68002.	2.0	3
52	Contagion of Information on Two-Layered Weighted Complex Network. IEEE Access, 2019, 7, 155064-155074.	4.2	12
53	Containing misinformation spreading in temporal social networks. Chaos, 2019, 29, 123131.	2.5	21
54	Misinformation spreading on correlated multiplex networks. Chaos, 2019, 29, 113123.	2.5	13

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55	Information Spreading on Weighted Multiplex Social Network. Complexity, 2019, 2019, 1-15.	1.6	14
56	Identifying localized influential spreaders of information spreading. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 92-97.	2.6	5
57	Information spreading on multirelational networks. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 21-28.	2.6	3
58	Double-edged sword effect of edge overlap on asymmetrically interacting spreading dynamics. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 617-624.	2.6	5
59	Social contagions on multiplex networks with heterogeneous population. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 105-113.	2.6	4
60	Effects of time-delays in the dynamics of social contagions. New Journal of Physics, 2018, 20, 013034.	2.9	19
61	Synergistic interactions promote behavior spreading and alter phase transitions on multiplex networks. Physical Review E, 2018, 97, 022311.	2.1	19
62	Predicting epidemic threshold of correlated networks: A comparison of methods. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 500-511.	2.6	13
63	Epidemic spreading dynamics with drug resistance and heterogeneous contacts. Journal of Theoretical Biology, 2018, 441, 19-27.	1.7	2
64	Interactive social contagions and co-infections on complex networks. Chaos, 2018, 28, 013120.	2.5	22
65	Social contagions on correlated multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 121-128.	2.6	56
66	Multiple peaks patterns of epidemic spreading in multi-layer networks. Chaos, Solitons and Fractals, 2018, 107, 135-142.	5.1	15
67	Social contagions with heterogeneous credibility. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 604-610.	2.6	24
68	Complex contagions with social reinforcement from different layers and neighbors. Physica A: Statistical Mechanics and Its Applications, 2018, 503, 516-525.	2.6	8
69	A model of spreading of sudden events on social networks. Chaos, 2018, 28, 033113.	2.5	26
70	Effects of individual popularity on information spreading in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 489, 32-39.	2.6	14
71	Multiplex network analysis of employee performance and employee social relationships. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 1-12.	2.6	32
72	Heterogeneous behavioral adoption in multiplex networks. New Journal of Physics, 2018, 20, 125002.	2.9	25

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73	Critical phenomena of information spreading dynamics on networks with cliques. Physical Review E, 2018, 98, .	2.1	28
74	Close and ordinary social contacts: How important are they in promoting large-scale contagion?. Physical Review E, 2018, 98, .	2.1	13
75	Social contagions with communication channel alternation on multiplex networks. Physical Review E, 2018, 98, .	2.1	30
76	Controlling epidemic outbreak based on local dynamic infectiousness on complex networks. Chaos, 2018, 28, 123105.	2.5	9
77	Social contagions on interconnected networks of heterogeneous populations. Chaos, 2018, 28, 113114.	2.5	9
78	Double transition of information spreading in a two-layered network. Chaos, 2018, 28, 083117.	2.5	10
79	Optimal community structure for social contagions. New Journal of Physics, 2018, 20, 053053.	2.9	12
80	Social contagions on multiplex networks with different reliability. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 728-735.	2.6	2
81	Malicious viruses spreading on complex networks with heterogeneous recovery rate. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 746-753.	2.6	10
82	A general social contagion dynamic in interconnected lattices. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 272-279.	2.6	0
83	Comprehensive influence of local and global characteristics on identifying the influential nodes. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 78-84.	2.6	19
84	Dynamics of social contagions with local trend imitation. Scientific Reports, 2018, 8, 7335.	3.3	16
85	Crossover phenomena in growth pattern of social contagions with restricted contact. Chaos, Solitons and Fractals, 2018, 114, 408-414.	5.1	4
86	Optimal resource diffusion for suppressing disease spreading in multiplex networks. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 053501.	2.3	61
87	Optimal imitation capacity and crossover phenomenon in the dynamics of social contagions. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 063405.	2.3	13
88	Unification of theoretical approaches for epidemic spreading on complex networks. Reports on Progress in Physics, 2017, 80, 036603.	20.1	244
89	Promoting information spreading by using contact memory. Europhysics Letters, 2017, 118, 18001.	2.0	28
90	Social contagions on interdependent lattice networks. Scientific Reports, 2017, 7, 44669.	3.3	19

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91	Social contagions on time-varying community networks. Physical Review E, 2017, 95, 052306.	2.1	38
92	Emergence of hysteresis loop in social contagions on complex networks. Scientific Reports, 2017, 7, 6103.	3.3	10
93	Explosive spreading on complex networks: The role of synergy. Physical Review E, 2017, 95, 042320.	2.1	35
94	Social contagions on weighted networks. Physical Review E, 2017, 96, 012306.	2.1	18
95	Degree-correlaed vaccination in aymmetric interacting spreading dynamics. , 2017, , .		2
96	Effects of mass medias on the dynamics of social contagions. , 2016, , .		0
97	Impacts of complex behavioral responses on asymmetric interacting spreading dynamics in multiplex networks. Scientific Reports, 2016, 6, 25617.	3.3	51
98	Effective information spreading based on local information in correlated networks. Scientific Reports, 2016, 6, 38220.	3.3	33
99	Recovery rate affects the effective epidemic threshold with synchronous updating. Chaos, 2016, 26, 063108.	2.5	38
100	Suppressing disease spreading by using information diffusion on multiplex networks. Scientific Reports, 2016, 6, 29259.	3.3	118
101	Predicting the epidemic threshold of the susceptible-infected-recovered model. Scientific Reports, 2016, 6, 24676.	3.3	41
102	Dynamics of social contagions with heterogeneous adoption thresholds: crossover phenomena in phase transition. New Journal of Physics, 2016, 18, 013029.	2.9	74
103	Dynamics of social contagions with memory of nonredundant information. Physical Review E, 2015, 92, 012820.	2.1	110
104	Suppressed epidemics in multirelational networks. Physical Review E, 2015, 92, 022812.	2.1	13
105	Numerical identification of epidemic thresholds for susceptible-infected-recovered model on finite-size networks. Chaos, 2015, 25, 063104.	2.5	79
106	Dynamics of social contagions with limited contact capacity. Chaos, 2015, 25, 103102.	2.5	34
107	Discriminability of node influence in flower fractal scale-free networks. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 208901.	0.5	3
108	Efficient allocation of heterogeneous response times in information spreading process. Chaos, 2014, 24, 033113.	2.5	25

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109	Epidemic spreading on complex networks with general degree and weight distributions. Physical Review E, 2014, 90, 042803.	2.1	118
110	Asymmetrically interacting spreading dynamics on complex layered networks. Scientific Reports, 2014, 4, 5097.	3.3	189