Ming Tang

List of Publications by Citations

94 papers	2,608 citations	29 h-index	49 g-index
97 ext. papers	3,016 ext. citations	3.6 avg, IF	5.54 L-index

#	Paper	IF	Citations
94	Unification of theoretical approaches for epidemic spreading on complex networks. *Reports on Progress in Physics*, **2017**, 80, 036603	14.4	199
93	Asymmetrically interacting spreading dynamics on complex layered networks. *Scientific Reports*, **2014**, 4, 5097	4.9	157
92	Core-like groups result in invalidation of identifying super-spreader by k-shell decomposition. *Scientific Reports*, **2015**, 5, 9602	4.9	114
91	Epidemic spreading on complex networks with general degree and weight distributions. *Physical Review E*, **2014**, 90, 042803	2.4	105
90	Epidemic spreading with information-driven vaccination. *Physical Review E*, **2012**, 86, 036117	2.4	97
89	Dynamics of social contagions with memory of nonredundant information. *Physical Review E*, **2015**, 92, 012820	2.4	93
88	Suppressing disease spreading by using information diffusion on multiplex networks. *Scientific Reports*, **2016**, 6, 29259	4.9	88
87	Suppression of epidemic spreading in complex networks by local information based behavioral responses. *Chaos*, **2014**, 24, 043106	3.3	85
86	Identify influential spreaders in complex networks, the role of neighborhood. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 452, 289-298	3.3	78
85	Improving the accuracy of the k-shell method by removing redundant links: From a perspective of spreading dynamics. *Scientific Reports*, **2015**, 5, 13172	4.9	77
84	An adaptive routing strategy for packet delivery in complex networks. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 364, 177-182	2.3	74
83	Self-adjusting routing schemes for time-varying traffic in scale-free networks. *Physical Review E*, **2009**, 80, 026114	2.4	70
82	Numerical identification of epidemic thresholds for susceptible-infected-recovered model on finite-size networks. *Chaos*, **2015**, 25, 063104	3.3	65
81	Dynamics of social contagions with heterogeneous adoption thresholds: crossover phenomena in phase transition. *New Journal of Physics*, **2016**, 18, 013029	2.9	60
80	Preferential imitation can invalidate targeted subsidy policies on seasonal-influenza diseases. *Applied Mathematics and Computation*, **2017**, 294, 332-342	2.7	56
79	Suppressing epidemic spreading in multiplex networks with social-support. *New Journal of Physics*, **2018**, 20, 013007	2.9	56
78	Epidemic spreading by objective traveling. *Europhysics Letters*, **2009**, 87, 18005	1.6	54

77	Efficient routing strategies in scale-free networks with limited bandwidth. *Physical Review E*, **2011**, 84, 026116	2.4	52
76	Influence of dynamical condensation on epidemic spreading in scale-free networks. *Physical Review E*, **2009**, 79, 016108	2.4	49
75	Identifying effective multiple spreaders by coloring complex networks. *Europhysics Letters*, **2014**, 108, 68005	1.6	43
74	An efficient immunization strategy for community networks. *PLoS ONE*, **2013**, 8, e83489	3.7	43
73	Constructing ordinal partition transition networks from multivariate time series. *Scientific Reports*, **2017**, 7, 7795	4.9	41
72	Condensation in a zero range process on weighted scale-free networks. *Physical Review E*, **2006**, 74, 036101	2.4	41
71	Impacts of complex behavioral responses on asymmetric interacting spreading dynamics in multiplex networks. *Scientific Reports*, **2016**, 6, 25617	4.9	39
70	Predicting the epidemic threshold of the susceptible-infected-recovered model. *Scientific Reports*, **2016**, 6, 24676	4.9	35
69	Social contagions on time-varying community networks. *Physical Review E*, **2017**, 95, 052306	2.4	33
68	Recovery rate affects the effective epidemic threshold with synchronous updating. *Chaos*, **2016**, 26, 063108	3.3	33
67	Dynamics of social contagions with limited contact capacity. *Chaos*, **2015**, 25, 103102	3.3	31
66	Effects of weak ties on epidemic predictability on community networks. *Chaos*, **2012**, 22, 043124	3.3	31
65	Large epidemic thresholds emerge in heterogeneous networks of heterogeneous nodes. *Scientific Reports*, **2015**, 5, 13122	4.9	29
64	Efficient community-based control strategies in adaptive networks. *New Journal of Physics*, **2012**, 14, 123017	2.9	27
63	Social contagions with communication channel alternation on multiplex networks. *Physical Review E* , **2018**, 98,	2.4	27
62	Explosive spreading on complex networks: The role of synergy. *Physical Review E*, **2017**, 95, 042320	2.4	25
61	Effective information spreading based on local information in correlated networks. *Scientific Reports*, **2016**, 6, 38220	4.9	25
60	Adaptive routing strategy on networks of mobile nodes. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 402, 1-7	3.3	22

59	Epidemic variability in hierarchical geographical networks with human activity patterns. *Chaos*, **2012**, 22, 023150	3.3	22
58	Efficient allocation of heterogeneous response times in information spreading process. *Chaos*, **2014**, 24, 033113	3.3	20
57	Influence of reciprocal links in social networks. *PLoS ONE*, **2014**, 9, e103007	3.7	20
56	Accurate ranking of influential spreaders in networks based on dynamically asymmetric link weights. *Physical Review E*, **2017**, 96, 022323	2.4	19
55	Self-adaptive Louvain algorithm: Fast and stable community detection algorithm based on the principle of small probability event. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 506, 975-986	2.3	18
54	Suppression of epidemic spreading in time-varying multiplex networks. *Applied Mathematical Modelling*, **2019**, 75, 806-818	4.5	18
53	Effective traffic-flow assignment strategy on multilayer networks. *Physical Review E*, **2019**, 100, 012310	2.4	17
52	Social contagions on weighted networks. *Physical Review E*, **2017**, 96, 012306	2.4	17
51	Traffic-driven epidemic spreading in correlated networks. *Physical Review E*, **2015**, 91, 062817	2.4	16
50	Interplay between the local information based behavioral responses and the epidemic spreading in complex networks. *Chaos*, **2015**, 25, 103111	3.3	14
49	Variability of contact process in complex networks. *Chaos*, **2011**, 21, 043130	3.3	14
48	Equivalence and its invalidation between non-Markovian and Markovian spreading dynamics on complex networks. *Nature Communications*, **2019**, 10, 3748	17.4	13
47	Synergistic interactions promote behavior spreading and alter phase transitions on multiplex networks. *Physical Review E*, **2018**, 97, 022311	2.4	13
46	The effects of non-self-sustained oscillators on the en-trainment ability of the suprachiasmatic nucleus. *Scientific Reports*, **2016**, 6, 37661	4.9	13
45	Machine learning dynamical phase transitions in complex networks. *Physical Review E*, **2019**, 100, 052312	2.4	13
44	The impact of heterogeneous response on coupled spreading dynamics in multiplex networks. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 484, 225-232	3.3	12
43	Suppressed epidemics in multirelational networks. *Physical Review E*, **2015**, 92, 022812	2.4	12
42	Emergence of scale-free close-knit friendship structure in online social networks. *PLoS ONE*, **2012**, 7, e50702	3.7	12

41	Impacts of opinion leaders on social contagions. *Chaos*, **2018**, 28, 053103	3.3	12
40	Message spreading in networks with stickiness and persistence: large clustering does not always facilitate large-scale diffusion. *Scientific Reports*, **2014**, 4, 6303	4.9	11
39	Epidemic spreading between two coupled subpopulations with inner structures. *Chaos*, **2017**, 27, 103104	3.3	10
38	Detrended fluctuation analysis of particle condensation on complex networks. *Physica A: Statistical Mechanics and Its Applications*, **2008**, 387, 1361-1368	3.3	10
37	Multiple peaks patterns of epidemic spreading in multi-layer networks. *Chaos, Solitons and Fractals*, **2018**, 107, 135-142	9.3	9
36	Self-awareness control effect of cooperative epidemics on complex networks. *Chaos*, **2019**, 29, 053123	3.3	9
35	Non-Markovian recovery makes complex networks more resilient against large-scale failures. *Nature Communications*, **2020**, 11, 2490	17.4	8
34	Predicting epidemic threshold of correlated networks: A comparison of methods. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 505, 500-511	3.3	8
33	CONDENSATION ON WEIGHTED NETWORKS WITH SYMMETRIC WEIGHTS. *International Journal of Modern Physics C*, **2008**, 19, 927-937	1.1	8
32	Precisely identifying the epidemic thresholds in real networks via asynchronous updating. *Applied Mathematics and Computation*, **2019**, 361, 377-388	2.7	7
31	Optimal forwarding ratio on dynamical networks with heterogeneous mobility. *European Physical Journal B*, **2013**, 86, 1	1.2	7
30	Impact of inter-layer hopping on epidemic spreading in a multilayer network. *Communications in Nonlinear Science and Numerical Simulation*, **2020**, 90, 105403	3.7	6
29	Asymmetric interdependent networks with multiple-dependence relation. *Physical Review E*, **2020**, 101, 022314	2.4	6
28	Influence of zero range process interaction on diffusion. *Chaos*, **2010**, 20, 043135	3.3	6
27	Mean-field approximations of fixation time distributions of evolutionary game dynamics on graphs. *Frontiers of Physics*, **2018**, 13, 1	3.7	6
26	The Effective Healing Strategy against Localized Attacks on Interdependent Spatially Embedded Networks. *Complexity*, **2019**, 2019, 1-10	1.6	5
25	Learning epidemic threshold in complex networks by Convolutional Neural Network. *Chaos*, **2019**, 29, 113106	3.3	5
24	Control of thermal conduction and rectification in a model of complex networks with two asymmetric parts. *Physical Review E*, **2018**, 98,	2.4	5

23	Impact of contact preference on social contagions on complex networks. *Physical Review E*, **2020**, 101, 042308	2.4	4
22	Optimal inference of the start of COVID-19. *Physical Review Research*, **2021**, 3,	3.9	4
21	Identifying super-spreaders in information-epidemic coevolving dynamics on multiplex networks. *Knowledge-Based Systems*, **2021**, 229, 107365	7.3	4
20	Enhanced Connection Adaption Strategy With Partition Approach. *IEEE Access*, **2019**, 7, 34162-34169	3.5	3
19	Efficient traffic-aware routing strategy on multilayer networks. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 98, 105758	3.7	3
18	Multi-priority routing algorithm based on source node importance in complex networks. *International Journal of Modern Physics C*, **2019**, 30, 1940010	1.1	2
17	Identifying epidemic threshold by temporal profile of outbreaks on networks. *Chaos*, **2019**, 29, 103141	3.3	2
16	Identifying influential spreaders in reversible process. *Chaos, Solitons and Fractals*, **2020**, 140, 110197	9.3	2
15	Hybrid phase transitions of spreading dynamics in multiplex networks. *Chinese Journal of Physics*, **2018**, 56, 1166-1172	3.5	2
14	The relative importance of structure and dynamics on node influence in reversible spreading processes. *Frontiers of Physics*, **2021**, 16, 1	3.7	2
13	Identify Influential Spreaders in Complex Real-World Networks **2015**,		1
12	The Slow Dynamics of the Zero-Range Process in the Framework of the Traps Model. *Chinese Physics Letters*, **2012**, 29, 050505	1.8	1
11	NETWORK SCIENCE FACES THE CHALLENGE AND OPPORTUNITY: EXPLORING NETWORK OF NETWORKS AND ITS UNIFIED THEORETICAL FRAMEWORK. *Journal of Applied Analysis and Computation*, **2016**, 6, 12-29	0.4	1
10	The Target Recovery Strategy for Preventing Avalanche Breakdown on Interdependent Community Networks. *Complexity*, **2020**, 2020, 1-13	1.6	1
9	Identification of the most influential stocks in financial networks. *Chaos, Solitons and Fractals*, **2022**, 158, 111939	9.3	1
8	Coupled Dynamic Model of Resource Diffusion and Epidemic Spreading in Time-Varying Multiplex Networks. *Complexity*, **2021**, 2021, 1-11	1.6	0
7	A Multi-seed Nodes Selection Strategy for Influence Maximization Based on Reinforcement Learning Algorithms. *Journal of Physics: Conference Series*, **2021**, 1746, 012045	0.3	0
6	Evolution model of high quality of service for spatial heterogeneous wireless sensor networks. *Physica A: Statistical Mechanics and Its Applications*, **2022**, 596, 127182	3.3	0

5	Impact of hopping characteristics of inter-layer commuters on epidemic spreading in multilayer networks. *Chaos, Solitons and Fractals*, **2022**, 159, 112100	9.3	0
4	Interdependent networks with redundant and dependent interconnections. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 526, 120777	3.3	
3	Supervised Learning Epidemic Threshold of SIR Model in Complex Networks. *Smart Innovation, Systems and Technologies*, **2022**, 125-132	0.5	
2	An improved algorithm for detecting community defined by node-to-node dynamic distance. *International Journal of Modern Physics C*, **2020**, 31, 2050155	1.1	
1	Metamorphoses and explosively remote synchronization in dynamical networks.. *Chaos*, **2022**, 32, 043119	3.3	