

Lin Wang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

5,799
citations

30
h-index

74
g-index

74
ext. papers

7,496
ext. citations

9.2
avg, IF

6.59
L-index

#	Paper	IF	Citations
64	The effect of human mobility and control measures on the COVID-19 epidemic in China. <i>Science</i> , 2020 , 368, 493-497	33.3	1373
63	Evolutionary games on multilayer networks: a colloquium. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	507
62	Serial Interval of COVID-19 among Publicly Reported Confirmed Cases. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1341-1343	10.2	421
61	Age-specific mortality and immunity patterns of SARS-CoV-2. <i>Nature</i> , 2021 , 590, 140-145	50.4	399
60	Coupled disease-behavior dynamics on complex networks: A review. <i>Physics of Life Reviews</i> , 2015 , 15, 1-29	2.1	285
59	Risk for Transportation of Coronavirus Disease from Wuhan to Other Cities in China. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1049-1052	10.2	253
58	The fundamental advantages of temporal networks. <i>Science</i> , 2017 , 358, 1042-1046	33.3	197
57	Epidemiological data from the COVID-19 outbreak, real-time case information. <i>Scientific Data</i> , 2020 , 7, 106	8.2	194
56	Degree mixing in multilayer networks impedes the evolution of cooperation. <i>Physical Review E</i> , 2014 , 89, 052813	2.4	186
55	Serial interval of SARS-CoV-2 was shortened over time by nonpharmaceutical interventions. <i>Science</i> , 2020 , 369, 1106-1109	33.3	186
54	Open access epidemiological data from the COVID-19 outbreak. <i>Lancet Infectious Diseases</i> , 2020 , 20, 534	25.5	157
53	Inferring reputation promotes the evolution of cooperation in spatial social dilemma games. <i>PLoS ONE</i> , 2012 , 7, e40218	3.7	157
52	Spontaneous symmetry breaking in interdependent networked game. <i>Scientific Reports</i> , 2014 , 4, 4095	4.9	138
51	Spatial epidemiology of networked metapopulation: an overview. <i>Science Bulletin</i> , 2014 , 59, 3511-3522		137
50	Evolutionary Prisoner's Dilemma on heterogeneous Newman-Watts small-world network. <i>European Physical Journal B</i> , 2007 , 56, 367-372	1.2	132
49	Immunization of epidemics in multiplex networks. <i>PLoS ONE</i> , 2014 , 9, e112018	3.7	87
48	Characterizing the dynamics underlying global spread of epidemics. <i>Nature Communications</i> , 2018 , 9, 218	17.4	83

47	How human location-specific contact patterns impact spatial transmission between populations?. <i>Scientific Reports</i> , 2013 , 3, 1468	4.9	79
46	Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , 2015 , 112, 48002	1.6	74
45	Evolution of scaling emergence in large-scale spatial epidemic spreading. <i>PLoS ONE</i> , 2011 , 6, e21197	3.7	60
44	Reconstruction of Transmission Pairs for Novel Coronavirus Disease 2019 (COVID-19) in Mainland China: Estimation of Superspreading Events, Serial Interval, and Hazard of Infection. <i>Clinical Infectious Diseases</i> , 2020 , 71, 3163-3167	11.6	56
43	Multi-scale asynchronous belief percolation model on multiplex networks. <i>New Journal of Physics</i> , 2019 , 21, 015005	2.9	55
42	Optimization of identifiability for efficient community detection. <i>New Journal of Physics</i> , 2020 , 22, 063035	3.5	55
41	Noise-induced enhancement of network reciprocity in social dilemmas. <i>Chaos, Solitons and Fractals</i> , 2013 , 51, 31-35	9.3	51
40	Identifying Spatial Invasion of Pandemics on Metapopulation Networks Via Anatomizing Arrival History. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2782-2795	10.2	48
39	Towards a temporal network analysis of interactive WiFi users. <i>Europhysics Letters</i> , 2012 , 98, 68002	1.6	48
38	Impacts of subsidy policies on vaccination decisions in contact networks. <i>Physical Review E</i> , 2013 , 88, 012813	2.4	44
37	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , 2015 , 5, 11013	4.9	42
36	Freezing period strongly impacts the emergence of a global consensus in the voter model. <i>Scientific Reports</i> , 2014 , 4, 3597	4.9	37
35	Estimating the value of containment strategies in delaying the arrival time of an influenza pandemic: a case study of travel restriction and patient isolation. <i>Physical Review E</i> , 2012 , 86, 032901	2.4	31
34	THE IMPACT OF HUMAN LOCATION-SPECIFIC CONTACT PATTERN ON THE SIR EPIDEMIC TRANSMISSION BETWEEN POPULATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013 , 23, 1350095	2	29
33	Effects of Proactive Social Distancing on COVID-19 Outbreaks in 58 Cities, China. <i>Emerging Infectious Diseases</i> , 2020 , 26,	10.2	27
32	Social physics. <i>Physics Reports</i> , 2022 , 948, 1-148	27.7	23
31	Self organized criticality in a modified Olami-Feder-Christensen model. <i>European Physical Journal B</i> , 2011 , 82, 83-89	1.2	15
30	Analysis of self-organized criticality in weighted coupled systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 1249-1256	3.3	13

29	COVID-19 serial interval estimates based on confirmed cases in public reports from 86 Chinese cities 2020 ,		10
28	A new propagation model coupling the offline and online social networks. <i>Nonlinear Dynamics</i> , 2019 , 98, 2171-2183	5	9
27	An extensive weight-driven network with non-linear growth information. <i>Europhysics Letters</i> , 2008 , 84, 58006	1.6	9
26	Risk for Transportation of 2019 Novel Coronavirus (COVID-19) from Wuhan to Cities in China 2020 ,		8
25	Locating the source node of diffusion process in cyber-physical networks via minimum observers. <i>Chaos</i> , 2019 , 29, 063117	3.3	7
24	Spatial coupled disease-behavior framework as a dynamic and adaptive system Reply to comments on "Coupled disease-behavior dynamics on complex networks: A review". <i>Physics of Life Reviews</i> , 2015 , 15, 57-60	2.1	5
23	SELF-ORGANIZED CRITICALITY IN A WEIGHTED EARTHQUAKE MODEL. <i>International Journal of Modern Physics C</i> , 2009 , 20, 351-360	1.1	5
22	Household transmissions of SARS-CoV-2 in the time of unprecedented travel lockdown in China 2020 ,		5
21	Risk for International Importations of Variant SARS-CoV-2 Originating in the United Kingdom. <i>Emerging Infectious Diseases</i> , 2021 , 27, 1527-1529	10.2	5
20	Measuring the Network Vulnerability Based on Markov Criticality. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2021 , 16, 1-24	4	5
19	Measuring the effects of COVID-19-related disruption on dengue transmission in southeast Asia and Latin America: a statistical modelling study.. <i>Lancet Infectious Diseases</i> , The , 2022 ,	25.5	5
18	A Mixed Mechanism of Weighted-Driven and Inner Selection in Networks. <i>Communications in Theoretical Physics</i> , 2009 , 51, 947-953	2.4	4
17	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
16	What can AI learn from bionic algorithms?: Comment on "Does being multi-headed make you better at solving problems? A survey of Physarum-based models and computations" by Chao Gao et al. <i>Physics of Life Reviews</i> , 2019 , 29, 41-43	2.1	3
15	Understanding spatial spread of emerging infectious diseases in contemporary populations: Comment on "Pattern transitions in spatial epidemics: Mechanisms and emergent properties" by Gui-Quan Sun et al. <i>Physics of Life Reviews</i> , 2016 , 19, 95-97	2.1	3
14	Inferring spatial transmission of epidemics in networked metapopulations 2015 ,		3
13	Serial intervals and case isolation delays for COVID-19: a systematic review and meta-analysis. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	3
12	Urban-Rural Disparities for COVID-19: Evidence from 10 Countries and Areas in the Western Pacific. <i>Health Data Science</i> , 2021 , 2021, 1-9		3

11	Multiscale mobility explains differential associations between the gross domestic product and COVID-19 transmission in Chinese cities. <i>Journal of Travel Medicine</i> , 2021 , 28,	12.9	3
10	Reproduction Numbers of SARS-CoV-2 Variants: A Systematic Review and Meta-analysis.. <i>Clinical Infectious Diseases</i> , 2022 ,	11.6	3
9	Avalanche dynamics of a generalized earthquake model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 525, 1463-1471	3.3	2
8	Is the universal scaling for the dilemma strength still available in populations with heterogeneous connectivity or activities?: Comment on "Universal scaling for the dilemma strength in evolutionary games" by Z. Wang et al. <i>Physics of Life Reviews</i> , 2015 , 14, 43-4	2.1	2
7	Self-Organized Criticality Analysis of Earthquake Model Based on Heterogeneous Networks. <i>Communications in Theoretical Physics</i> , 2011 , 55, 89-94	2.4	2
6	Rapid impact assessments of COVID-19 control measures against the Delta variant and short-term projections of new confirmed cases in Vietnam.. <i>Journal of Global Health</i> , 2021 , 11, 03118	4.3	2
5	Modeling comparative cost-effectiveness of SARS-CoV-2 vaccine dose fractionation in India.. <i>Nature Medicine</i> , 2022 ,	50.5	2
4	Cost-effective proactive testing strategies during COVID-19 mass vaccination: A modelling study.. <i>The Lancet Regional Health Americas</i> , 2022 , 8, 100182		1
3	The spatial dissemination of COVID-19 and associated socio-economic consequences.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20210662	4.1	1
2	Assessing the role of multiple mechanisms increasing the age of dengue cases in Thailand.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2115790119 ^{11.5}	11.5	1
1	Beneath the surface: Amino acid variation underlying two decades of dengue virus antigenic dynamics in Bangkok, Thailand.. <i>PLoS Pathogens</i> , 2022 , 18, e1010500	7.6	0