

# Lin Wang

## List of Publications by Year in Descending Order

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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	Cost-effective proactive testing strategies during COVID-19 mass vaccination: A modelling study.. <i>The Lancet Regional Health Americas</i> , <b>2022</b> , 8, 100182		1
63	Social physics. <i>Physics Reports</i> , <b>2022</b> , 948, 1-148	27.7	23
62	Modeling comparative cost-effectiveness of SARS-CoV-2 vaccine dose fractionation in India.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	2
61	Reproduction Numbers of SARS-CoV-2 Variants: A Systematic Review and Meta-analysis.. <i>Clinical Infectious Diseases</i> , <b>2022</b> ,	11.6	3
60	The spatial dissemination of COVID-19 and associated socio-economic consequences.. <i>Journal of the Royal Society Interface</i> , <b>2022</b> , 19, 20210662	4.1	1
59	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> , <b>2022</b> ,	25.5	5
58	Beneath the surface: Amino acid variation underlying two decades of dengue virus antigenic dynamics in Bangkok, Thailand.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010500	7.6	0
57	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> , <b>2022</b> , 119, e2115790119 <sup>11.5</sup>	11.5	1
56	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> , <b>2021</b> , 11, 03118	4.3	2
55	Risk for International Importations of Variant SARS-CoV-2 Originating in the United Kingdom. <i>Emerging Infectious Diseases</i> , <b>2021</b> , 27, 1527-1529	10.2	5
54	Serial intervals and case isolation delays for COVID-19: a systematic review and meta-analysis. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	3
53	Urban-Rural Disparities for COVID-19: Evidence from 10 Countries and Areas in the Western Pacific. <i>Health Data Science</i> , <b>2021</b> , 2021, 1-9		3
52	Measuring the Network Vulnerability Based on Markov Criticality. <i>ACM Transactions on Knowledge Discovery From Data</i> , <b>2021</b> , 16, 1-24	4	5
51	Age-specific mortality and immunity patterns of SARS-CoV-2. <i>Nature</i> , <b>2021</b> , 590, 140-145	50.4	399
50	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> , <b>2021</b> , 118,	11.5	4
49	Multiscale mobility explains differential associations between the gross domestic product and COVID-19 transmission in Chinese cities. <i>Journal of Travel Medicine</i> , <b>2021</b> , 28,	12.9	3
48	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> , <b>2020</b> , 71, 3163-3167	11.6	56

47	Epidemiological data from the COVID-19 outbreak, real-time case information. <i>Scientific Data</i> , <b>2020</b> , 7, 106	8.2	194
46	The effect of human mobility and control measures on the COVID-19 epidemic in China. <i>Science</i> , <b>2020</b> , 368, 493-497	33.3	1373
45	Optimization of identifiability for efficient community detection. <i>New Journal of Physics</i> , <b>2020</b> , 22, 063035	35	55
44	Open access epidemiological data from the COVID-19 outbreak. <i>Lancet Infectious Diseases</i> , <b>2020</b> , 20, 534	25.5	157
43	Risk for Transportation of Coronavirus Disease from Wuhan to Other Cities in China. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1049-1052	10.2	253
42	Serial Interval of COVID-19 among Publicly Reported Confirmed Cases. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1341-1343	10.2	421
41	Risk for Transportation of 2019 Novel Coronavirus (COVID-19) from Wuhan to Cities in China <b>2020</b> ,		8
40	Household transmissions of SARS-CoV-2 in the time of unprecedented travel lockdown in China <b>2020</b> ,		5
39	COVID-19 serial interval estimates based on confirmed cases in public reports from 86 Chinese cities <b>2020</b> ,		10
38	Serial interval of SARS-CoV-2 was shortened over time by nonpharmaceutical interventions. <i>Science</i> , <b>2020</b> , 369, 1106-1109	33.3	186
37	Effects of Proactive Social Distancing on COVID-19 Outbreaks in 58 Cities, China. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26,	10.2	27
36	Locating the source node of diffusion process in cyber-physical networks via minimum observers. <i>Chaos</i> , <b>2019</b> , 29, 063117	3.3	7
35	Avalanche dynamics of a generalized earthquake model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 525, 1463-1471	3.3	2
34	Multi-scale asynchronous belief percolation model on multiplex networks. <i>New Journal of Physics</i> , <b>2019</b> , 21, 015005	2.9	55
33	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> , <b>2019</b> , 29, 41-43	2.1	3
32	A new propagation model coupling the offline and online social networks. <i>Nonlinear Dynamics</i> , <b>2019</b> , 98, 2171-2183	5	9
31	Characterizing the dynamics underlying global spread of epidemics. <i>Nature Communications</i> , <b>2018</b> , 9, 218	17.4	83
30	The fundamental advantages of temporal networks. <i>Science</i> , <b>2017</b> , 358, 1042-1046	33.3	197

29	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> , <b>2016</b> , 19, 95-97	2.1	3
28	Identifying Spatial Invasion of Pandemics on Metapopulation Networks Via Anatomizing Arrival History. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 2782-2795	10.2	48
27	Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , <b>2015</b> , 5, 11013-14	4.9	42
26	Coupled disease-behavior dynamics on complex networks: A review. <i>Physics of Life Reviews</i> , <b>2015</b> , 15, 1-29	2.1	285
25	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> , <b>2015</b> , 14, 43-4	2.1	2
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> , <b>2015</b> , 15, 57-60	2.1	5
23	Inferring spatial transmission of epidemics in networked metapopulations <b>2015</b> ,		3
22	Evolutionary games on multilayer networks: a colloquium. <i>European Physical Journal B</i> , <b>2015</b> , 88, 1	1.2	507
21	Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , <b>2015</b> , 112, 48002	1.6	74
20	Spontaneous symmetry breaking in interdependent networked game. <i>Scientific Reports</i> , <b>2014</b> , 4, 4095	4.9	138
19	Spatial epidemiology of networked metapopulation: an overview. <i>Science Bulletin</i> , <b>2014</b> , 59, 3511-3522		137
18	Freezing period strongly impacts the emergence of a global consensus in the voter model. <i>Scientific Reports</i> , <b>2014</b> , 4, 3597	4.9	37
17	Degree mixing in multilayer networks impedes the evolution of cooperation. <i>Physical Review E</i> , <b>2014</b> , 89, 052813	2.4	186
16	Immunization of epidemics in multiplex networks. <i>PLoS ONE</i> , <b>2014</b> , 9, e112018	3.7	87
15	Noise-induced enhancement of network reciprocity in social dilemmas. <i>Chaos, Solitons and Fractals</i> , <b>2013</b> , 51, 31-35	9.3	51
14	How human location-specific contact patterns impact spatial transmission between populations?. <i>Scientific Reports</i> , <b>2013</b> , 3, 1468	4.9	79
13	Impacts of subsidy policies on vaccination decisions in contact networks. <i>Physical Review E</i> , <b>2013</b> , 88, 012813	2.4	44
12	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> , <b>2013</b> , 23, 1350095	2	29

11	Towards a temporal network analysis of interactive WiFi users. <i>Europhysics Letters</i> , <b>2012</b> , 98, 68002	1.6	48
10	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> , <b>2012</b> , 86, 032901	2.4	31
9	Inferring reputation promotes the evolution of cooperation in spatial social dilemma games. <i>PLoS ONE</i> , <b>2012</b> , 7, e40218	3.7	157
8	Evolution of scaling emergence in large-scale spatial epidemic spreading. <i>PLoS ONE</i> , <b>2011</b> , 6, e21197	3.7	60
7	Self organized criticality in a modified Olami-Feder-Christensen model. <i>European Physical Journal B</i> , <b>2011</b> , 82, 83-89	1.2	15
6	Self-Organized Criticality Analysis of Earthquake Model Based on Heterogeneous Networks. <i>Communications in Theoretical Physics</i> , <b>2011</b> , 55, 89-94	2.4	2
5	SELF-ORGANIZED CRITICALITY IN A WEIGHTED EARTHQUAKE MODEL. <i>International Journal of Modern Physics C</i> , <b>2009</b> , 20, 351-360	1.1	5
4	A Mixed Mechanism of Weighted-Driven and Inner Selection in Networks. <i>Communications in Theoretical Physics</i> , <b>2009</b> , 51, 947-953	2.4	4
3	Analysis of self-organized criticality in weighted coupled systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2009</b> , 388, 1249-1256	3.3	13
2	An extensive weight-driven network with non-linear growth information. <i>Europhysics Letters</i> , <b>2008</b> , 84, 58006	1.6	9
1	Evolutionary Prisoner's Dilemma on heterogeneous Newman-Watts small-world network. <i>European Physical Journal B</i> , <b>2007</b> , 56, 367-372	1.2	132