

Lin Wang

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

8,683
citations

136885

32
h-index

102432

66
g-index

74
all docs

74
docs citations

74
times ranked

11495
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The effect of human mobility and control measures on the COVID-19 epidemic in China. <i>Science</i> , 2020, 368, 493-497. | 6.0 | 2,168 |
| 2 | Age-specific mortality and immunity patterns of SARS-CoV-2. <i>Nature</i> , 2021, 590, 140-145. | 13.7 | 883 |
| 3 | Evolutionary games on multilayer networks: a colloquium. <i>European Physical Journal B</i> , 2015, 88, 1. | 0.6 | 604 |
| 4 | Serial Interval of COVID-19 among Publicly Reported Confirmed Cases. <i>Emerging Infectious Diseases</i> , 2020, 26, 1341-1343. | 2.0 | 546 |
| 5 | Coupled disease behavior dynamics on complex networks: A review. <i>Physics of Life Reviews</i> , 2015, 15, 1-29. | 1.5 | 385 |
| 6 | Risk for Transportation of Coronavirus Disease from Wuhan to Other Cities in China. <i>Emerging Infectious Diseases</i> , 2020, 26, 1049-1052. | 2.0 | 323 |
| 7 | Serial interval of SARS-CoV-2 was shortened over time by nonpharmaceutical interventions. <i>Science</i> , 2020, 369, 1106-1109. | 6.0 | 303 |
| 8 | The fundamental advantages of temporal networks. <i>Science</i> , 2017, 358, 1042-1046. | 6.0 | 287 |
| 9 | Epidemiological data from the COVID-19 outbreak, real-time case information. <i>Scientific Data</i> , 2020, 7, 106. | 2.4 | 280 |
| 10 | Social physics. <i>Physics Reports</i> , 2022, 948, 1-148. | 10.3 | 231 |
| 11 | Degree mixing in multilayer networks impedes the evolution of cooperation. <i>Physical Review E</i> , 2014, 89, 052813. | 0.8 | 209 |
| 12 | Open access epidemiological data from the COVID-19 outbreak. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 534. | 4.6 | 205 |
| 13 | Inferring Reputation Promotes the Evolution of Cooperation in Spatial Social Dilemma Games. <i>PLoS ONE</i> , 2012, 7, e40218. | 1.1 | 174 |
| 14 | Spatial epidemiology of networked metapopulation: an overview. <i>Science Bulletin</i> , 2014, 59, 3511-3522. | 1.7 | 169 |
| 15 | Evolutionary Prisoner's Dilemma on heterogeneous Newman-Watts small-world network. <i>European Physical Journal B</i> , 2007, 56, 367-372. | 0.6 | 156 |
| 16 | Spontaneous Symmetry Breaking in Interdependent Networked Game. <i>Scientific Reports</i> , 2014, 4, 4095. | 1.6 | 151 |
| 17 | Characterizing the dynamics underlying global spread of epidemics. <i>Nature Communications</i> , 2018, 9, 218. | 5.8 | 118 |
| 18 | Immunization of Epidemics in Multiplex Networks. <i>PLoS ONE</i> , 2014, 9, e112018. | 1.1 | 107 |

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|----|---|------|-----------|
| 19 | Optimization of identifiability for efficient community detection. <i>New Journal of Physics</i> , 2020, 22, 063035. | 1.2 | 103 |
| 20 | 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. | 2.9 | 91 |
| 21 | How human location-specific contact patterns impact spatial transmission between populations?. <i>Scientific Reports</i> , 2013, 3, 1468. | 1.6 | 84 |
| 22 | Immunity of multiplex networks via acquaintance vaccination. <i>Europhysics Letters</i> , 2015, 112, 48002. | 0.7 | 82 |
| 23 | 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, 22, 657-667. | 4.6 | 68 |
| 24 | Evolution of Scaling Emergence in Large-Scale Spatial Epidemic Spreading. <i>PLoS ONE</i> , 2011, 6, e21197. | 1.1 | 65 |
| 25 | Multi-scale asynchronous belief percolation model on multiplex networks. <i>New Journal of Physics</i> , 2019, 21, 015005. | 1.2 | 63 |
| 26 | Identifying Spatial Invasion of Pandemics on Metapopulation Networks Via Anatomizing Arrival History. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 2782-2795. | 6.2 | 61 |
| 27 | Noise-induced enhancement of network reciprocity in social dilemmas. <i>Chaos, Solitons and Fractals</i> , 2013, 51, 31-35. | 2.5 | 57 |
| 28 | Impacts of subsidy policies on vaccination decisions in contact networks. <i>Physical Review E</i> , 2013, 88, 012813. | 0.8 | 57 |
| 29 | Global Spatio-temporal Patterns of Influenza in the Post-pandemic Era. <i>Scientific Reports</i> , 2015, 5, 11013. | 1.6 | 55 |
| 30 | Effects of Proactive Social Distancing on COVID-19 Outbreaks in 58 Cities, China. <i>Emerging Infectious Diseases</i> , 2020, 26, 2267-2269. | 2.0 | 55 |
| 31 | Towards a temporal network analysis of interactive WiFi users. <i>Europhysics Letters</i> , 2012, 98, 68002. | 0.7 | 52 |
| 32 | Freezing period strongly impacts the emergence of a global consensus in the voter model. <i>Scientific Reports</i> , 2014, 4, 3597. | 1.6 | 40 |
| 33 | Reproduction Number of the Omicron Variant Triples That of the Delta Variant. <i>Viruses</i> , 2022, 14, 821. | 1.5 | 38 |
| 34 | 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. | 0.8 | 36 |
| 35 | 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. | 0.7 | 32 |
| 36 | Modeling comparative cost-effectiveness of SARS-CoV-2 vaccine dose fractionation in India. <i>Nature Medicine</i> , 2022, 28, 934-938. | 15.2 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Reproduction Numbers of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , 2022, 75, e293-e295. | 2.9 | 20 |
| 38 | Self organized criticality in a modified Olami-Feder-Christensen model. <i>European Physical Journal B</i> , 2011, 82, 83-89. | 0.6 | 18 |
| 39 | Measuring the Network Vulnerability Based on Markov Criticality. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2022, 16, 1-24. | 2.5 | 18 |
| 40 | 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. | 1.2 | 18 |
| 41 | Analysis of self-organized criticality in weighted coupled systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1249-1256. | 1.2 | 17 |
| 42 | Locating the source node of diffusion process in cyber-physical networks via minimum observers. <i>Chaos</i> , 2019, 29, 063117. | 1.0 | 17 |
| 43 | Serial Intervals and Case Isolation Delays for Coronavirus Disease 2019: A Systematic Review and Meta-Analysis. <i>Clinical Infectious Diseases</i> , 2021, , . | 2.9 | 17 |
| 44 | 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, . | 3.3 | 16 |
| 45 | 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. | 3.3 | 16 |
| 46 | Risk for International Importations of Variant SARS-CoV-2 Originating in the United Kingdom. <i>Emerging Infectious Diseases</i> , 2021, 27, 1527-1529. | 2.0 | 14 |
| 47 | A new propagation model coupling the offline and online social networks. <i>Nonlinear Dynamics</i> , 2019, 98, 2171-2183. | 2.7 | 13 |
| 48 | Urban-Rural Disparities for COVID-19: Evidence from 10 Countries and Areas in the Western Pacific. <i>Health Data Science</i> , 2021, 2021, . | 1.1 | 12 |
| 49 | Cost-effective proactive testing strategies during COVID-19 mass vaccination: A modelling study. <i>The Lancet Regional Health Americas</i> , 2022, 8, 100182. | 1.5 | 10 |
| 50 | An extensive weight-driven network with non-linear growth information. <i>Europhysics Letters</i> , 2008, 84, 58006. | 0.7 | 9 |
| 51 | 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, . | 1.4 | 7 |
| 52 | Systematic review and meta-analyses of superspreading of SARS-CoV-2 infections. <i>Transboundary and Emerging Diseases</i> , 2022, 69, . | 1.3 | 7 |
| 53 | SELF-ORGANIZED CRITICALITY IN A WEIGHTED EARTHQUAKE MODEL. <i>International Journal of Modern Physics C</i> , 2009, 20, 351-360. | 0.8 | 6 |
| 54 | Spatial coupled disease "behavior framework as a dynamic and adaptive system. <i>Physics of Life Reviews</i> , 2015, 15, 57-60. | 1.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Beneath the surface: Amino acid variation underlying two decades of dengue virus antigenic dynamics in Bangkok, Thailand. PLoS Pathogens, 2022, 18, e1010500. | 2.1 | 5 |
| 56 | A Mixed Mechanism of Weighted-Driven and Inner Selection in Networks. Communications in Theoretical Physics, 2009, 51, 947-953. | 1.1 | 4 |
| 57 | Inferring spatial transmission of epidemics in networked metapopulations. , 2015, , . | | 4 |
| 58 | The spatial dissemination of COVID-19 and associated socio-economic consequences. Journal of the Royal Society Interface, 2022, 19, 20210662. | 1.5 | 4 |
| 59 | Self-Organized Criticality Analysis of Earthquake Model Based on Heterogeneous Networks. Communications in Theoretical Physics, 2011, 55, 89-94. | 1.1 | 3 |
| 60 | Understanding spatial spread of emerging infectious diseases in contemporary populations. Physics of Life Reviews, 2016, 19, 95-97. | 1.5 | 3 |
| 61 | What can AI learn from bionic algorithms?. Physics of Life Reviews, 2019, 29, 41-43. | 1.5 | 3 |
| 62 | Editorial: Mathematical Modelling of the Pandemic of 2019 Novel Coronavirus (COVID-19): Patterns, Dynamics, Prediction, and Control. Frontiers in Physics, 2021, 9, . | 1.0 | 3 |
| 63 | Assessing the spread risk of COVID-19 associated with multi-mode transportation networks in China. Fundamental Research, 2023, 3, 305-310. | 1.6 | 3 |
| 64 | Is the universal scaling for the dilemma strength still available in populations with heterogeneous connectivity or activities?. Physics of Life Reviews, 2015, 14, 43-44. | 1.5 | 2 |
| 65 | Avalanche dynamics of a generalized earthquake model. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 1463-1471. | 1.2 | 2 |
| 66 | COVID-19 Importation Risk From Olympic Athletes Prior to the Tokyo 2020 Olympics. Frontiers in Physics, 2021, 9, . | 1.0 | 2 |
| 67 | Optimizing COVID-19 surveillance using historical electronic health records of influenza infections. , 0, , . | | 2 |
| 68 | Editorial: Interference of COVID-19 and Influenza Infections. Frontiers in Public Health, 2021, 9, 818199. | 1.3 | 1 |
| 69 | Pithy burnout prevention. Science, 2019, 365, 22-23. | 6.0 | 0 |