Population flow drives spatio-temporal distribution of C

Nature

582, 389-394

DOI: 10.1038/s41586-020-2284-y

Citation Report

#	Article	IF	Citations
1	Adaptive Bayesian Learning and Forecasting of Epidemic Evolutionâ€”Data Analysis of the COVID-19 Outbreak. IEEE Access, 2020, 8, 175244-175264.	2.6	29
2	Mobile device data reveal the dynamics in a positive relationship between human mobility and COVID-19 infections. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27087-27089.	3.3	234
3	Global COVID-19 pandemic demands joint interventions for the suppression of future waves. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26151-26157.	3.3	33
4	Overcoming inefficiencies arising due to the impact of the modifiable areal unit problem on single-aggregation disease maps. International Journal of Health Geographics, 2020, 19, 40.	1.2	17
5	Using Mobile Phone Data for Emergency Management: a Systematic Literature Review. Information Systems Frontiers, 2020, 22, 1539-1559.	4.1	18
6	Human mobility restrictions and the spread of the Novel Coronavirus (2019-nCoV) in China. Journal of Public Economics, 2020, 191, 104272.	2.2	366
7	Mathematical modeling and the transmission dynamics in predicting the Covid-19 - What next in combating the pandemic. Infectious Disease Modelling, 2020, 5, 366-374.	1.2	58
8	Evaluating the effect of demographic factors, socioeconomic factors, and risk aversion on mobility during the COVID-19 epidemic in France under lockdown: a population-based study. The Lancet Digital Health, 2020, 2, e638-e649.	5.9	227
9	Multiscale dynamic human mobility flow dataset in the U.S. during the COVID-19 epidemic. Scientific Data, 2020, 7, 390.	2.4	140
10	Community movement and COVID-19: a global study using Google's Community Mobility Reports. Epidemiology and Infection, 2020, 148, e284.	1.0	86
11	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. Frontiers in Communications and Networks, 2020, 1, .	1.9	28
12	Trust, risk perception, and COVID-19 infections: Evidence from multilevel analyses of combined original dataset in China. Social Science and Medicine, 2020, 265, 113517.	1.8	71
13	COVID-19 lockdown induces disease-mitigating structural changes in mobility networks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32883-32890.	3.3	257
14	Prediction and Potential Spatially Explicit Spread of COVID-19 in Mexicoâ€™s Megacity North Periphery. Healthcare (Switzerland), 2020, 8, 453.	1.0	4
15	Digital technologies in the public-health response to COVID-19. Nature Medicine, 2020, 26, 1183-1192.	15.2	695
16	Spatiotemporal transmission dynamics of the COVID-19 pandemic and its impact on critical healthcare capacity. Health and Place, 2020, 64, 102404.	1.5	54
17	Interdependence and the cost of uncoordinated responses to COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19837-19843.	3.3	135
18	Examining the association between socio-demographic composition and COVID-19 fatalities in the European region using spatial regression approach. Sustainable Cities and Society, 2020, 62, 102418.	5.1	220

#	Article	IF	Citations
19	The spread of 2019-nCoV in China was primarily driven by population density. Comment on â€œAssociation between short-term exposure to air pollution and COVID-19 infection: Evidence from Chinaâ€•by Zhu et al.. Science of the Total Environment, 2020, 744, 141028.	3.9	39
20	Time, space and social interactions: exit mechanisms for the Covid-19 epidemics. Scientific Reports, 2020, 10, 13764.	1.6	57
21	Measuring mobility to monitor travel and physical distancing interventions: a common framework for mobile phone data analysis. The Lancet Digital Health, 2020, 2, e622-e628.	5.9	85
22	After the lockdown: simulating mobility, public health and economic recovery scenarios. Scientific Reports, 2020, 10, 16950.	1.6	40
23	Modeling the COVID-19 Pandemic Using an SEIHR Model With Human Migration. IEEE Access, 2020, 8, 195503-195514.	2.6	15
24	Unsupervised learning for county-level typological classification for COVID-19 research. Intelligence-based Medicine, 2020, 1-2, 100002.	1.4	7
25	DeepCOVIDNet: An Interpretable Deep Learning Model for Predictive Surveillance of COVID-19 Using Heterogeneous Features and Their Interactions. IEEE Access, 2020, 8, 159915-159930.	2.6	58
26	Global and Temporal COVID-19 Risk Evaluation. Frontiers in Public Health, 2020, 8, 440.	1.3	12
27	Human mobility and COVID-19 initial dynamics. Nonlinear Dynamics, 2020, 101, 1901-1919.	2.7	74
28	Geospatial modelling on the spread and dynamics of 154Âday outbreak of the novel coronavirus (COVID-19) pandemic in Bangladesh towards vulnerability zoning and management approaches. Modeling Earth Systems and Environment, 2021, 7, 2059-2087.	1.9	42
29	Travel-related control measures to contain the COVID-19 pandemic: a rapid review. The Cochrane Library, 2020, 10, CD013717.	1.5	65
30	The interplay of spatial spread of COVID-19 and human mobility in the urban system of China during the Chinese New Year. Environment and Planning B: Urban Analytics and City Science, 2021, 48, 1955-1971.	1.0	26
31	Space-Time Variation and Spatial Differentiation of COVID-19 Confirmed Cases in Hubei Province Based on Extended GWR. ISPRS International Journal of Geo-Information, 2020, 9, 536.	1.4	20
32	The impact of the COVID-19 pandemic on firms: a survey in Guangdong Province, China. Global Health Research and Policy, 2020, 5, 41.	1.4	40
33	SARS-CoV-2 ORF8 and SARS-CoV ORF8ab: Genomic Divergence and Functional Convergence. Pathogens, 2020, 9, 677.	1.2	44
34	Quantifying human mobility behaviour changes during the COVID-19 outbreak in the United States. Scientific Reports, 2020, 10, 20742.	1.6	78
35	Geographic monitoring for early disease detection (GeoMEDD). Scientific Reports, 2020, 10, 21753.	1.6	10
36	Spatio-temporal reductions of the COVID-19 lockdown-induced noise anomalies in GNSS height time series over mainland China. Remote Sensing Letters, 2020, 11, 1118-1126.	0.6	3

#	Article	IF	Citations
37	Tracking Pandemics: A MEC-Enabled IoT Ecosystem with Learning Capability. IEEE Internet of Things Magazine, 2020, 3, 40-45.	2.0	11
38	Quantifying the Time-Lag Effects of Human Mobility on the COVID-19 Transmission: A Multi-City Study in China. IEEE Access, 2020, 8, 216752-216761.	2.6	27
39	A New Geo-Propagation Model of Event Evolution Chain Based on Public Opinion and Epidemic Coupling. International Journal of Environmental Research and Public Health, 2020, 17, 9235.	1.2	13
40	Time to lead the prevention and control of public health emergencies by informatics technologies in an information era. Journal of Biosafety and Biosecurity, 2020, 2, 102-104.	1.4	4
41	Spatiotemporal Variation of COVID-19 and Its Spread in South America: A Rapid Assessment. Annals of the American Association of Geographers, 0, , 1-12.	1.5	8
42	Risk Assessment on Continued Public Health Threats: Evidence from Chinaâ€™s Stock Market. International Journal of Environmental Research and Public Health, 2020, 17, 7682.	1.2	4
43	How Urban Factors Affect the Spatiotemporal Distribution of Infectious Diseases in Addition to Intercity Population Movement in China. ISPRS International Journal of Geo-Information, 2020, 9, 615.	1.4	19
44	Utilization of Mobility Data in the Fight Against COVID-19. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 733-735.	1.2	5
46	Lessons from being challenged by COVID-19. Chaos, Solitons and Fractals, 2020, 137, 109923.	2.5	27
48	Prediction of COVID-19 spreading profiles in South Korea, Italy and Iran by data-driven coding. PLoS ONE, 2020, 15, e0234763.	1.1	35
49	Investigating time, strength, and duration of measures in controlling the spread of COVID-19 using a networked meta-population model. Nonlinear Dynamics, 2020, 101, 1789-1800.	2.7	19
50	Role of media coverage in mitigating COVID-19 transmission: Evidence from China. Technological Forecasting and Social Change, 2021, 163, 120435.	6.2	33
51	COVID-19 Pandemic with Human Mobility Across Countries. Journal of the Operations Research Society of China, 2021, 9, 229-244.	0.9	14
52	Patient response, treatments, and mortality for acute myocardial infarction during the COVID-19 pandemic. European Heart Journal Quality of Care & Clinical Outcomes, 2021, 7, 238-246.	1.8	82
53	COVID-19 and water. Stochastic Environmental Research and Risk Assessment, 2021, 35, 531-534.	1.9	54
54	Spatial-temporal potential exposure risk analytics and urban sustainability impacts related to COVID-19 mitigation: A perspective from car mobility behaviour. Journal of Cleaner Production, 2021, 279, 123673.	4.6	85
55	Moral foundations underlying behavioral compliance during the COVID-19 pandemic. Personality and Individual Differences, 2021, 171, 110463.	1.6	61
56	Coronavirus disease (COVID-19) prevention and treatment methods and effective parameters: A systematic literature review. Sustainable Cities and Society, 2021, 64, 102568.	5.1	84

#	Article	IF	Citations
57	Computational Intelligence Methods in COVID-19: Surveillance, Prevention, Prediction and Diagnosis. Studies in Computational Intelligence, 2021, , .	0.7	0
58	Mobility network models of COVID-19 explain inequities and inform reopening. Nature, 2021, 589, 82-87.	13.7	1,016
59	Spread of COVID-19 in China: analysis from a city-based epidemic and mobility model. Cities, 2021, 110, 103010.	2.7	63
60	Geographic pattern of human mobility and COVID-19 before and after Hubei lockdown. Annals of GIS, 2021, 27, 127-138.	1.4	10
61	A city cluster risk-based approach for Sars-CoV-2 and isolation barriers based on anonymized mobile phone users' location data. Sustainable Cities and Society, 2021, 65, 102574.	5.1	9
62	Population Genomics of Plant Viruses: The Ecology and Evolution of Virus Emergence. Phytopathology, 2021, 111, 32-39.	1.1	22
63	Natural and human environment interactively drive spread pattern of COVID-19: A city-level modeling study in China. Science of the Total Environment, 2021, 756, 143343.	3.9	33
64	A global analysis on the effect of temperature, socio-economic and environmental factors on the spread and mortality rate of the COVID-19 pandemic. Environment, Development and Sustainability, 2021, 23, 9352-9366.	2.7	34
65	Numerical solution and parameter estimation for uncertain SIR model with application to COVID-19. Fuzzy Optimization and Decision Making, 2021, 20, 189-208.	3.4	63
66	Spatiotemporal Differences of COVID-19 Infection Among Healthcare Workers and Patients in China From January to March 2020. IEEE Access, 2021, 9, 28646-28657.	2.6	2
67	Geographic Distribution of Mental Health Problems Among Chinese College Students During the COVID-19 Pandemic: Nationwide, Web-Based Survey Study. Journal of Medical Internet Research, 2021, 23, e23126.	2.1	33
68	Guiding principles to maintain public trust in the use of mobile operator data for policy purposes. Data & Policy, 2021, 3, .	1.0	6
69	A SIRD epidemic model with community structure. Chaos, 2021, 31, 013102.	1.0	3
70	Effect of Travel Restrictions of Wuhan City Against COVID-19: A Modified SEIR Model Analysis. Disaster Medicine and Public Health Preparedness, 2022, 16, 1431-1437.	0.7	8
71	Prediction of the COVID-19 epidemic trends based on SEIR and AI models. PLoS ONE, 2021, 16, e0245101.	1.1	47
72	Prediction of the confirmed cases and deaths of global COVID-19 using artificial intelligence. Environmental Science and Pollution Research, 2021, 28, 11672-11682.	2.7	46
73	Negative effects of massive intercity population movement on the security of urban agglomerations. Journal of Natural Resources, 2021, 36, 2181.	0.4	2
74	Risk mapping for COVID-19 outbreaks in Australia using mobility data. Journal of the Royal Society Interface, 2021, 18, 20200657.	1.5	40

#	Article	IF	Citations
75	An Adaptive Learning-Based Approach for Vehicle Mobility Prediction. IEEE Access, 2021, 9, 13671-13682.	2.6	9
76	Accessing the syndemic of COVID-19 and malaria intervention in Africa. Infectious Diseases of Poverty, 2021, 10, 5.	1.5	15
77	Population Mobility Driven COVID-19 Analysis in Shenzhen. Communications in Computer and Information Science, 2021, , 714-721.	0.4	0
79	Precision Mapping of COVID-19 Vulnerable Locales by Epidemiological and Socioeconomic Risk Factors, Developed Using South Korean Data. International Journal of Environmental Research and Public Health, 2021, 18, 604.	1.2	14
80	OD-HyperNet: A Data-Driven Hyper-Network Model for Origin-Destination Matrices Completion Using Partially Observed Data. , 2021, , 335-350.		1
81	Integrated vaccination and physical distancing interventions to prevent future COVID-19 waves in Chinese cities. Nature Human Behaviour, 2021, 5, 695-705.	6.2	111
82	Effects of COVID-19 on Urban Population Flow in China. International Journal of Environmental Research and Public Health, 2021, 18, 1617.	1.2	9
83	Social spatial cognition. Neuroscience and Biobehavioral Reviews, 2021, 121, 277-290.	2.9	8
85	COVID-19: A Comparative Study of Population Aggregation Patterns in the Central Urban Area of Tianjin, China. International Journal of Environmental Research and Public Health, 2021, 18, 2135.	1.2	14
86	Spatial temporal distribution of COVID-19 risk during the early phase of the pandemic in Malawi. PeerJ, 2021, 9, e11003.	0.9	7
87	Modelling and predicting the effect of social distancing and travel restrictions on COVID-19 spreading. Journal of the Royal Society Interface, 2021, 18, 20200875.	1.5	61
89	COVID-19: Understanding Inter-Individual Variability and Implications for Precision Medicine. Mayo Clinic Proceedings, 2021, 96, 446-463.	1.4	62
90	Efficient tracking of spatially correlated signals in wireless sensor fields: A weighted stochastic gradient approach. IET Wireless Sensor Systems, 2021, 11, 78-90.	1.3	3
91	Effects of population co-location reduction on cross-county transmission risk of COVID-19 in the United States. Applied Network Science, 2021, 6, 14.	0.8	13
92	Identifying Priorities for Harmonizing Guidelines for the Long-Term Surveillance of Childhood Cancer Survivors in the Chinese Children Cancer Group (CCCG). JCO Global Oncology, 2021, 7, 261-276.	0.8	14
94	Impact of Wuhan lockdown on the spread of COVID-19 in China: a study based on the data of population mobility. Zhejiang Da Xue Xue Bao Yi Xue Ban = Journal of Zhejiang University Medical Sciences, 2021, 50, 61-67.	0.1	4
95	Geospatial Analysis of COVID-19: A Scoping Review. International Journal of Environmental Research and Public Health, 2021, 18, 2336.	1.2	71
96	Impact of temperature and relative humidity on the transmission of COVID-19: a modelling study in China and the United States. BMJ Open, 2021, 11, e043863.	0.8	111

#	Article	IF	Citations
97	Escaping from Cities during the COVID-19 Crisis: Using Mobile Phone Data to Trace Mobility in Finland. ISPRS International Journal of Geo-Information, 2021, 10, 103.	1.4	62
98	Linking human behaviors and infectious diseases. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2101345118.	3.3	6
99	Public Perception of the First Major SARS-Cov-2 Outbreak in the Suceava County, Romania. International Journal of Environmental Research and Public Health, 2021, 18, 1406.	1.2	10
100	The Impact of Lockdown on Police Service Calls During the COVID-19 Pandemic in China. Policing (Oxford), 2021, 15, 1867-1881.	0.9	31
101	Free utility model for explaining the social gravity law. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 033418.	0.9	5
103	What Are the Reasons for the Different COVID-19 Situations in Different Cities of China? A Study from the Perspective of Population Migration. International Journal of Environmental Research and Public Health, 2021, 18, 3255.	1.2	1
104	Changes of Spatiotemporal Pattern and Network Characteristic in Population Flow under COVID-19 Epidemic. ISPRS International Journal of Geo-Information, 2021, 10, 145.	1.4	9
105	A big-data driven approach to analyzing and modeling human mobility trend under non-pharmaceutical interventions during COVID-19 pandemic. Transportation Research Part C: Emerging Technologies, 2021, 124, 102955.	3.9	113
106	A dynamic pandemic model evaluating reopening strategies amid COVID-19. PLoS ONE, 2021, 16, e0248302.	1.1	9
107	Effect of different resumption strategies to flatten the potential COVID-19 outbreaks amid society reopens: a modeling study in China. BMC Public Health, 2021, 21, 604.	1.2	6
108	Reduction of Human Mobility Matters during Early COVID-19 Outbreaks: Evidence from India, Japan and China. International Journal of Environmental Research and Public Health, 2021, 18, 2826.	1.2	2
109	Ethical machines: The human-centric use of artificial intelligence. IScience, 2021, 24, 102249.	1.9	41
110	Modeling the Dynamics of Coronavirus Disease Pandemic Coupled with Fear Epidemics. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-9.	0.7	7
111	Assessing Early Heterogeneity in Doubling Times of the COVID-19 Epidemic across Prefectures in Mainland China, Januaryâ€“February, 2020. Epidemiologia, 2021, 2, 95-113.	1.1	10
113	The Changing Patterns of Consumersâ€™ Behavior in China: A Comparison during and after the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2021, 18, 2447.	1.2	13
114	Transmission dynamics of the COVID-19 epidemic in England. International Journal of Infectious Diseases, 2021, 104, 132-138.	1.5	11
115	International travel-related control measures to contain the COVID-19 pandemic: a rapid review. The Cochrane Library, 2021, 2021, CD013717.	1.5	47
116	Digital proximity tracing on empirical contact networks for pandemic control. Nature Communications, 2021, 12, 1655.	5.8	70

#	Article	IF	Citations
117	COVID-19 Infection and Mortality: Association with PM2.5 Concentration and Population Densityâ€"An Exploratory Study. ISPRS International Journal of Geo-Information, 2021, 10, 123.	1.4	14
119	JUE insight: Migration, transportation infrastructure, and the spatial transmission of COVID-19 in China. Journal of Urban Economics, 2022, 127, 103351.	2.4	13
121	Association of built environment attributes with the spread of COVID-19 at its initial stage in China. Sustainable Cities and Society, 2021, 67, 102752.	5.1	66
122	Spatiotemporal characteristics and factor analysis of SARS-CoV-2 infections among healthcare workers in Wuhan, China. Journal of Hospital Infection, 2021, 110, 172-177.	1.4	7
123	Using psychological science to support social distancing: Tradeoffs between affiliation and diseaseâ€avoidance motivations. Social and Personality Psychology Compass, 2021, 15, e12597.	2.0	10
124	Influence of Meteorological Conditions and Aerosol Properties on the COVID-19 Contamination of the Population in Coastal and Continental Areas in France: Study of Offshore and Onshore Winds. Atmosphere, 2021, 12, 523.	1.0	11
125	The role of weather conditions in COVID-19 transmission: A study of a global panel of 1236 regions. Journal of Cleaner Production, 2021, 292, 125987.	4.6	26
126	Modeling of suppression and mitigation interventions in the COVID-19 epidemics. BMC Public Health, 2021, 21, 723.	1.2	4
127	Travel-related control measures to contain the COVID-19 pandemic: an evidence map. BMJ Open, 2021, 11, e041619.	0.8	14
128	Exploring the Roles of Local Mobility Patterns, Socioeconomic Conditions, and Lockdown Policies in Shaping the Patterns of COVID-19 Spread. Future Internet, 2021, 13, 112.	2.4	5
129	Fuzzy clustering using Hybrid CSO-PSO search based on Community mobility during COVID 19 lockdown. , 2021, , .		1
130	Genetic Diversity of SARS-CoV-2 over a One-Year Period of the COVID-19 Pandemic: A Global Perspective. Biomedicines, 2021, 9, 412.	1.4	22
131	Development of a multivariable prediction model for severe COVID-19 disease: a population-based study from Hong Kong. Npj Digital Medicine, 2021, 4, 66.	5.7	26
132	Bursty visitation of locations in human mobility. Physica A: Statistical Mechanics and Its Applications, 2021, 567, 125674.	1.2	1
133	Revealing the spatial shifting pattern of COVID-19 pandemic in the United States. Scientific Reports, 2021, 11, 8396.	1.6	14
134	The Role of Conspiracy Theories in the Spread of COVID-19 across the United States. International Journal of Environmental Research and Public Health, 2021, 18, 3843.	1.2	19
135	Imbalance and breakout in the post-epidemic era: Research into the spatial patterns of freight demand network in six provinces of central China. PLoS ONE, 2021, 16, e0250375.	1.1	3
136	Globalization, population flow and the spatial diffusion of COVID-19. Asian Geographer, 2022, 39, 209-217.	0.4	3

#	Article	IF	Citations
138	Research on the Evolution of Population Distribution and Influencing Factors in Xiâ€™an During the COVID-19 Epidemic Control Period: Based on a Perspective of Multi-source Spatio-Temporal Big Data. IOP Conference Series: Earth and Environmental Science, 2021, 769, 022066.	0.2	1
139	The universal visitation law of human mobility. Nature, 2021, 593, 522-527.	13.7	172
140	Learning to learn by yourself: Unsupervised metaâ€learning with selfâ€knowledge distillation for COVIDâ€19 diagnosis from pneumonia cases. International Journal of Intelligent Systems, 2021, 36, 4033-4064.	3.3	10
141	Spatiotemporal contact density explains the disparity of COVID-19 spread in urban neighborhoods. Scientific Reports, 2021, 11, 10952.	1.6	26
142	Network analysis of population flow among major cities and its influence on COVID-19 transmission in China. Cities, 2021, 112, 103138.	2.7	33
143	Modeling the Spatiotemporal Association Between COVIDâ€19 Transmission and Population Mobility Using Geographically and Temporally Weighted Regression. GeoHealth, 2021, 5, e2021GH000402.	1.9	31
144	The Impact of the SARS-CoV-19 Pandemic on the Global Gross Domestic Product. International Journal of Environmental Research and Public Health, 2021, 18, 5246.	1.2	12
145	Impacts of social distancing policies on mobility and COVID-19 case growth in the US. Nature Communications, 2021, 12, 3118.	5.8	124
146	Decisions on train rescheduling and locomotive assignment during the COVID-19 outbreak: A case of the Beijing-Tianjin intercity railway. Decision Support Systems, 2022, 161, 113600.	3.5	8
147	Transient disease dynamics across ecological scales. Theoretical Ecology, 2021, 14, 625-640.	0.4	10
148	Linking Self-Reported Social Distancing to Real-World Behavior During the COVID-19 Pandemic. Social Psychological and Personality Science, 2022, 13, 656-668.	2.4	26
149	Pre-positioning and real-time disaster response operations: Optimization with mobile phone location data. Transportation Research, Part E: Logistics and Transportation Review, 2021, 150, 102344.	3.7	13
150	Could the Associations of Changes in Living Arrangement with Mental Disorders Be Moderated or Mediated During COVID-19 Pandemic?. Psychology Research and Behavior Management, 2021, Volume 14, 769-779.	1.3	2
151	Geographic Differences on Clinical Manifestations of COVID-19 Infection Between Overseas Chinese and Local Chinese Patients. Infection and Drug Resistance, 2021, Volume 14, 2269-2277.	1.1	0
152	The impact of COVID-19 on the regional tourism flow network: an empirical study in Hubei Province. Current Issues in Tourism, 2022, 25, 287-302.	4.6	18
153	AprÃ¨s-ski: The spread of coronavirus from Ischgl through Germany. German Economic Review, 2021, 22, 415-446.	0.5	23
154	Using Bus Ticketing Big Data to Investigate the Behaviors of the Population Flow of Chinese Suburban Residents in the Post-COVID-19 Phase. International Journal of Environmental Research and Public Health, 2021, 18, 6066.	1.2	2
155	An investigation of testing capacity for evaluating and modeling the spread of coronavirus disease. Information Sciences, 2021, 561, 211-229.	4.0	18

#	Article	IF	Citations
156	Evaluating the impact of the travel ban within mainland China on the epidemic of the COVID-19. International Journal of Infectious Diseases, 2021, 107, 278-283.	1.5	8
157	Meaningful measures of human society in the twenty-first century. Nature, 2021, 595, 189-196.	13.7	42
158	The Effects of Spatial Planning, Well-Being, and Behavioural Changes During and After the COVID-19 Pandemic. Frontiers in Sustainable Cities, 2021, 3, .	1.2	15
159	Mobile Phone-Based Population Flow Data for the COVID-19 Outbreak in Mainland China. Health Data Science, 2021, 2021, .	1.1	6
160	Robust estimation of SARS-CoV-2 epidemic in US counties. Scientific Reports, 2021, 11, 11841.	1.6	2
161	Country distancing increase reveals the effectiveness of travel restrictions in stopping COVID-19 transmission. Communications Physics, 2021, 4, .	2.0	20
162	Privacy concerns can explain unwillingness to download and use contact tracing apps when COVID-19 concerns are high. Computers in Human Behavior, 2021, 119, 106718.	5.1	121
163	Assessing regional risk of COVID-19 infection from Wuhan via high-speed rail. Transport Policy, 2021, 106, 226-238.	3.4	39
164	Revealing spatiotemporal transmission patterns and stages of COVID-19 in China using individual patientsâ€™ trajectory data. Computational Urban Science, 2021, 1, 9.	1.9	6
165	Assessing the impact of COVID-19 and safety parameters on energy project performance with an analytical hierarchy process. Utilities Policy, 2021, 70, 101210.	2.1	24
166	Spatiotemporal Analysis of COVID-19 Pandemic and Predictive Models based on Artificial Intelligence for different States of India. Journal of the Institution of Engineers (India): Series B, 2021, 102, 1265-1274.	1.3	2
167	Unraveling the dynamic importance of county-level features in trajectory of COVID-19. Scientific Reports, 2021, 11, 13058.	1.6	5
168	Diverse and nonlinear influences of built environment factors on COVID-19 spread across townships in China at its initial stage. Scientific Reports, 2021, 11, 12415.	1.6	16
169	Integrating Digital Technologies and Public Health to Fight Covid-19 Pandemic: Key Technologies, Applications, Challenges and Outlook of Digital Healthcare. International Journal of Environmental Research and Public Health, 2021, 18, 6053.	1.2	87
170	Monitoring the COVID-19 epidemic with nationwide telecommunication data. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
171	Cross-sectional analysis and data-driven forecasting of confirmed COVID-19 cases. Applied Intelligence, 2022, 52, 3303-3318.	3.3	4
172	Risk Assessment and Prediction of COVID-19 Based on Epidemiological Data From Spatiotemporal Geography. Frontiers in Environmental Science, 2021, 9, .	1.5	23
173	Understanding small Chinese cities as COVID-19 hotspots with an urban epidemic hazard index. Scientific Reports, 2021, 11, 14663.	1.6	3

#	Article	IF	Citations
174	STSIR: A Spatial Temporal Pandemic Model with Mobility Data - A COVID-19 Study. , 2021, , .		2
175	Communication-Efficient Tracking of Unknown, Spatially Correlated Signals in Ad-Hoc Wireless Sensor Networks: Two Machine Learning Approaches. Sensors, 2021, 21, 5175.	2.1	2
176	Triadic embeddedness structure in family networks predicts mobile communication response to a sudden natural disaster. Nature Communications, 2021, 12, 4286.	5.8	6
177	Quantifying COVID-19 importation risk in a dynamic network of domestic cities and international countries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28
179	Using Mobile Phone Data to Estimate the Relationship between Population Flow and Influenza Infection Pathways. International Journal of Environmental Research and Public Health, 2021, 18, 7439.	1.2	3
180	Spatiotemporal Evolution Patterns of the COVID-19 Pandemic Using Space-Time Aggregation and Spatial Statistics: A Global Perspective. ISPRS International Journal of Geo-Information, 2021, 10, 519.	1.4	16
181	What determines cityâ€™s resilience against epidemic outbreak: evidence from Chinaâ€™s COVID-19 experience. Sustainable Cities and Society, 2021, 70, 102892.	5.1	73
182	Interdependent program evaluation: Geographic and social spillovers in COVID-19 closures and reopenings in the United States. Science Advances, 2021, 7, .	4.7	10
183	Digital Technology-Based Telemedicine for the COVID-19 Pandemic. Frontiers in Medicine, 2021, 8, 646506.	1.2	56
184	Spatiotemporal Dynamic of COVID-19 Diffusion in China: A Dynamic Spatial Autoregressive Model Analysis. ISPRS International Journal of Geo-Information, 2021, 10, 510.	1.4	8
185	Control strategies against COVID-19 in China: Significance of effective testing in the long run. PLoS ONE, 2021, 16, e0253901.	1.1	2
186	Measuring the impact of mitigation measures on infection risk of covid-19 in Hong Kong since February 2020. Cities, 2021, 114, 103192.	2.7	11
187	Changes in Walkable Streets during the COVID-19 Pandemic in a Suburban City in the Osaka Metropolitan Area. Sustainability, 2021, 13, 7442.	1.6	13
188	Analyzing spatial mobility patterns with timeâ€varying graphical lasso: Application to COVIDâ€19 spread. Transactions in GIS, 2021, 25, 2660.	1.0	2
189	An AHP-based regional COVID-19 vulnerability model and its application in China. Modeling Earth Systems and Environment, 2022, 8, 2525-2538.	1.9	12
190	Mobility in China, 2020: a tale of four phases. National Science Review, 2021, 8, nwab148.	4.6	31
191	Influence of transportation network on transmission heterogeneity of COVID-19 in China. Transportation Research Part C: Emerging Technologies, 2021, 129, 103231.	3.9	29
192	A Short-Term Prediction Model at the Early Stage of the COVID-19 Pandemic Based on Multisource Urban Data. IEEE Transactions on Computational Social Systems, 2021, 8, 938-945.	3.2	17

#	Article	IF	Citations
193	Spill-over effect of Wuhan travel ban on population flow in the outbreak stage of COVID-19 in China. Cities, 2022, 120, 103404.	2.7	2
194	COVID-19 Propagation Model Based on Economic Development and Interventions. Wireless Personal Communications, 2022, 122, 2355-2365.	1.8	6
195	Rapid greening response of Chinaâ€™s 2020 spring vegetation to COVID-19 restrictions: Implications for climate change. Science Advances, 2021, 7, .	4.7	32
196	The prediction and analysis of COVID-19 epidemic trend by combining LSTM and Markov method. Scientific Reports, 2021, 11, 17421.	1.6	45
197	Supporting COVID-19 Policy Response with Large-scale Mobility-based Modeling. , 2021, , .		16
198	Comparative Study of COVID-19 Pandemic Progressions in 175 Regions in Australia, Canada, Italy, Japan, Spain, U.K. and USA Using a Novel Model That Considers Testing Capacity and Deficiency in Confirming Infected Cases. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2836-2847.	3.9	12
199	Evaluation of Chinaâ€™s Hubei control strategy for COVID-19 epidemic: an observational study. BMC Infectious Diseases, 2021, 21, 820.	1.3	8
200	Fine-grained data reveal segregated mobility networks and opportunities for local containment of COVID-19. Scientific Reports, 2021, 11, 16895.	1.6	15
201	Effect of Train-Induced Wind on the Transmission of COVID-19: A New Insight into Potential Infectious Risks. International Journal of Environmental Research and Public Health, 2021, 18, 8164.	1.2	2
202	Big data driven management and decision sciences: A NSFC grand research plan. Fundamental Research, 2021, 1, 504-507.	1.6	3
203	Impact of COVID-19 Pandemic on Home Range in a Suburban City in the Osaka Metropolitan Area. Sustainability, 2021, 13, 8974.	1.6	11
204	International trade and Covidâ€19: Cityâ€level evidence from China's lockdown policy. Journal of Regional Science, 2022, 62, 670-695.	2.1	22
205	Historic opportunity: artificial intelligence interventions in COVID-19 and other unknown diseases. Acta Biochimica Et Biophysica Sinica, 2021, 53, 1575-1577.	0.9	3
206	Population Flow Mechanism Study of Beijing-Tianjin-Hebei Urban Agglomeration from Industrial Space Supply Perspective. Sustainability, 2021, 13, 9949.	1.6	5
207	Effects of Coronavirus-19 Induced Loneliness on Mental Health: Sleep Quality and Intolerance for Uncertainty as Mediators. Frontiers in Psychiatry, 2021, 12, 738003.	1.3	14
209	An integrated method for multi-granular probabilistic linguistic multiple attribute decision-making with prospect theory. Computers and Industrial Engineering, 2021, 159, 107500.	3.4	19
210	Cities and infectious diseases: Assessing the exposure of pedestrians to virus transmission along city streets. Urban Studies, 0, , 004209802110428.	2.2	3
211	Risk of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission Among Air Passengers in China. Clinical Infectious Diseases, 2022, 75, e234-e240.	2.9	7

#	Article	IF	Citations
212	Mobility functional areas and COVID-19 spread. Transportation, 2022, 49, 1999-2025.	2.1	11
213	Optimal vaccination and treatment policies for regional approximate controllability of the time-fractional reactionâ€“diffusion SIR epidemic systems. ISA Transactions, 2021, 115, 143-152.	3.1	13
214	Development and Efficacy of Lateral Flow Point-of-Care Testing Devices for Rapid and Mass COVID-19 Diagnosis by the Detections of SARS-CoV-2 Antigen and Anti-SARS-CoV-2 Antibodies. Diagnostics, 2021, 11, 1760.	1.3	28
215	Emerging geo-data sources to reveal human mobility dynamics during COVID-19 pandemic: opportunities and challenges. Computational Urban Science, 2021, 1, 22.	1.9	17
216	Spatiotemporal patterns of the COVID-19 control measures impact on industrial production in Wuhan using time-series earth observation data. Sustainable Cities and Society, 2021, 75, 103388.	5.1	13
217	Dynamic impacts of COVID-19 pandemic on the regional express logistics: Evidence from China. Transport Policy, 2021, 111, 111-124.	3.4	28
218	Human Mobility Change Pattern and Influencing Factors during COVID-19, from the Outbreak to the Deceleration Stage: A Study of Seoul Metropolitan City. Professional Geographer, 2022, 74, 1-15.	1.0	15
219	Geographically varying relationships between population flows from Wuhan and COVID-19 cases in Chinese cities. Geo-Spatial Information Science, 2022, 25, 121-131.	2.4	12
220	Prediction of epidemics dynamics on networks with partial differential equations: A case study for COVID-19 in China*. Chinese Physics B, 2021, 30, 120202.	0.7	6
221	A Bayesian Spatial Analysis of the Heterogeneity in Human Mobility Changes During the First Wave of the COVID-19 Epidemic in the United States. American Statistician, 2022, 76, 64-72.	0.9	5
222	Utilization of telehealth and the advancement of nursing informatics during COVID-19 pandemic. International Journal of Nursing Sciences, 2021, 8, 367-369.	0.5	5
223	Student returnees from China's COVID-19 epicenter: Spatio-temporal movement and impact of tracing. Social Science and Medicine, 2021, 287, 114371.	1.8	0
224	Lockdown induced night-time light dynamics during the COVID-19 epidemic in global megacities. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102421.	1.4	41
225	Dynamics of Covid-19 mortality and social determinants of health: a spatiotemporal analysis of exceedance probabilities. Annals of Epidemiology, 2021, 62, 51-58.	0.9	10
226	Establishment of epidemic early warning index system and optimization of infectious disease model: Analysis on monitoring data of public health emergencies. International Journal of Disaster Risk Reduction, 2021, 65, 102547.	1.8	10
227	High-Resolution Spatio-Temporal Model for County-Level COVID-19 Activity in the U.S.. ACM Transactions on Management Information Systems, 2021, 12, 1-20.	2.1	13
228	An investigation of traffic density changes inside Wuhan during the COVID-19 epidemic with GF-2 time-series images. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102503.	1.4	13
229	Measuring the impact of COVID-19 on Chinaâ€™s population migration with mobile phone data. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 068903.	0.2	6

#	Article	IF	Citations
230	A Comparative Evaluation of Probabilistic and Deep Learning Approaches for Vehicular Trajectory Prediction. IEEE Open Journal of Vehicular Technology, 2021, 2, 140-150.	3.4	3
231	Traffic Density Reduction Caused by City Lockdowns Across the World During the COVID-19 Epidemic: From the View of High-Resolution Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5180-5193.	2.3	8
232	Multiscale mobility explains differential associations between the gross domestic product and COVID-19 transmission in Chinese cities. Journal of Travel Medicine, 2021, 28, .	1.4	7
233	Harnessing SmartPhones to Personalize Nutrition in a Time of Global Pandemic. Nutrients, 2021, 13, 422.	1.7	9
234	A 3M K-means algorithm for fast and practicably identifying COVID-19 close contacts. MATEC Web of Conferences, 2021, 336, 06009.	0.1	0
235	Optimizing Living Material Delivery During the COVID-19 Outbreak. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6709-6719.	4.7	11
236	Analyzing the Anti-contagion Policies of COVID-19 Based on the Epidemiological and Economic Coefficients. , 2021, , .		0
237	The golden age of social science. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	49
238	JUE Insight: The geographic spread of COVID-19 correlates with the structure of social networks as measured by Facebook. Journal of Urban Economics, 2022, 127, 103314.	2.4	84
239	Passive surveillance assesses compliance with COVID-19 behavioural restrictions in a rural US county. Epidemiology and Infection, 2021, 149, .	1.0	1
240	Big Data Analytics for Understanding and Fighting COVID-19. Studies in Computational Intelligence, 2021, , 333-348.	0.7	5
241	The Coupled Impact of Emergency Responses and Population Flows on the COVIDâ€19 Pandemic in China. GeoHealth, 2020, 4, e2020GH000332.	1.9	12
242	The COVID-19 research landscape. Medicine (United States), 2020, 99, e22849.	0.4	27
250	Country-wide Mobility Changes Observed Using Mobile Phone Data During COVID-19 Pandemic. , 2020, , .		44
251	Applications of GIS and geospatial analyses in COVID-19 research: A systematic review. F1000Research, 2020, 9, 1379.	0.8	35
252	Spatiotemporal spread pattern of the COVID-19 cases in China. PLoS ONE, 2020, 15, e0244351.	1.1	20
253	Human Mobility Restrictions and the Spread of the Novel Coronavirus (2019-nCoV) in China. SSRN Electronic Journal, 0, , .	0.4	22
254	Human Mobility Restrictions and the Spread of the Novel Coronavirus (2019-nCoV) in China. SSRN Electronic Journal, 0, , .	0.4	31

#	Article	IF	Citations
255	Unmet Needs: Healthcare Crowd-out During the COVID-19 Pandemic. SSRN Electronic Journal, 0, , .	0.4	2
256	The Role of Weather Conditions in COVID-19 Transmission: A Study of a Global Panel of 1236 Regions. SSRN Electronic Journal, 0, , .	0.4	1
257	Optimal Pandemic Control: Limited Resource and Human Mobility. SSRN Electronic Journal, 0, , .	0.4	1
258	Optimal Travel Restrictions in Epidemics. SSRN Electronic Journal, 0, , .	0.4	3
259	A Steady Trickle-Down from Metro Districts and Improving Epidemic-Parameters Characterize the Increasing COVID-19 Cases in India. SSRN Electronic Journal, 0, , .	0.4	2
260	General Model for COVID-19 Spreading With Consideration of Intercity Migration, Insufficient Testing, and Active Intervention: Modeling Study of Pandemic Progression in Japan and the United States. JMIR Public Health and Surveillance, 2020, 6, e18880.	1.2	14
261	The Twitter Social Mobility Index: Measuring Social Distancing Practices With Geolocated Tweets. Journal of Medical Internet Research, 2020, 22, e21499.	2.1	35
262	Impact of Systematic Factors on the Outbreak Outcomes of the Novel COVID-19 Disease in China: Factor Analysis Study. Journal of Medical Internet Research, 2020, 22, e23853.	2.1	10
263	A Review of Human Mobility Research Based on Big Data and Its Implication for Smart City Development. ISPRS International Journal of Geo-Information, 2021, 10, 13.	1.4	39
264	Mechanism of Optimal Time-Course COVID-19 Vaccine Prioritization Based on Non-Markovian Steady-State Prediction. SSRN Electronic Journal, 0, , .	0.4	0
265	The impact of COVID-19 on education in Poland: Challenges related to distance learning. Geographia Polonica, 2021, 94, 397-411.	0.3	4
266	The spread of SARS-CoV-2 (COVID-19) and the regional connectivity in West Kalimantan Province, Indonesia. Geographia Polonica, 2021, 94, 459-478.	0.3	0
267	Stages of spatial dispersion of the COVID-19 epidemic in Poland in the first six months (4 March-20) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	9
268	Working from Home and Digital Divides: Resilience during the Pandemic. Annals of the American Association of Geographers, 2022, 112, 893-913.	1.5	13
269	Theoretical Artificial Intelligence Based on Shannon Entropy to Identify Strains in Covid-19 Pandemic. , 2021, , .		5
270	Impact of individual behavioral changes on epidemic spreading in time-varying networks. Physical Review E, 2021, 104, 044307.	0.8	9
271	Socioeconomic differences and persistent segregation of Italian territories during COVID-19 pandemic. Scientific Reports, 2021, 11, 21174.	1.6	18
272	Exploring the Pattern of Early COVID-19 Transmission Caused by Population Migration Based on 14 Cities in Hubei Province, China. Risk Management and Healthcare Policy, 2021, Volume 14, 4393-4399.	1.2	1

#	Article	IF	Citations
273	Quantifying the impacts of human mobility restriction on the spread of coronavirus disease 2019: an empirical analysis from 344 cities of China. Chinese Medical Journal, 2021, 134, 2438-2446.	0.9	0
274	Similarity Effect and Purchase Behavior of Organic Food Under the Mediating Role of Perceived Values in the Context of COVID-19. Frontiers in Psychology, 2021, 12, 628342.	1.1	9
275	Infection transmission and prevention in metropolises with heterogeneous and dynamic populations. European Journal of Operational Research, 2023, 304, 113-138.	3.5	5
276	Universal scaling of human flow remain unchanged during the COVID-19 pandemic. Applied Network Science, 2021, 6, 75.	0.8	6
277	Spatiotemporal patterns and influencing factors of human migration networks in China during COVID-19. Geography and Sustainability, 2021, 2, 264-274.	1.9	7
278	Epidemic versus economic performances of the COVID-19 lockdown: A big data driven analysis. Cities, 2022, 120, 103502.	2.7	26
280	Time-Varying Spatial Memory Model and Its Impact on Virus Spreading. Complexity, 2021, 2021, 1-15.	0.9	0
281	Urban spatial epidemic simulation model: A case study of the second COVIDâ€19 outbreak in Beijing, China. Transactions in GIS, 2022, 26, 297-316.	1.0	9
282	How Effective Is Social Distancing?. SSRN Electronic Journal, 0, , .	0.4	3
283	Covid-19 Public Opinion Analysis Based on LDA Topic Modeling and Data Visualization. Lecture Notes in Computer Science, 2020, , 224-234.	1.0	0
291	Predicting the effects of COVID-19 related interventions in urban settings by combining activity-based modelling, agent-based simulation, and mobile phone data. PLoS ONE, 2021, 16, e0259037.	1.1	33
292	Determining travel fluxes in epidemic areas. PLoS Computational Biology, 2021, 17, e1009473.	1.5	1
293	Citizen Assessments of Government Actions in the COVID-19 Outbreak in China. Chinese Public Administration Review, 2020, 11, 110-121.	0.3	1
294	Consumer Preferences for Car sharing: Evidence from a Mobility Mode Choice Experiment in Beijing. SSRN Electronic Journal, 0, , .	0.4	0
295	Optimal strategic pandemic control: human mobility and travel restriction. Mathematical Biosciences and Engineering, 2021, 18, 9525-9562.	1.0	0
296	Research advances in intervening opportunity class models for predicting human mobility. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 1-9.	0.2	3
298	Synergies Between COVID-19 and Climate Change Impacts and Responses. Journal of Extreme Events, 2021, 08, .	1.2	3
299	Effects of mobility restrictions during COVID19 in Italy. Scientific Reports, 2021, 11, 21783.	1.6	12

#	Article	IF	Citations
304	A Systematic Literature Review on the Interaction Between COVID-19 and Transportation. Lecture Notes in Computer Science, 2021, , 11-25.	1.0	1
305	Lockdowns lose one third of their impact on mobility in a month. SSRN Electronic Journal, 0, , .	0.4	0
306	Spatio-temporal modeling of COVID-19 prevalence and mortality using artificial neural network algorithms. Spatial and Spatio-temporal Epidemiology, 2022, 40, 100471.	0.9	27
307	Pandemic in the network society: Network readiness increases population vulnerability to COVID-19 in less developed countries. Acta Oeconomica, 2021, 71, 187-203.	0.2	2
308	Nonparametric estimation and inference for spatiotemporal epidemic models. Journal of Nonparametric Statistics, 2022, 34, 683-705.	0.4	5
309	Uncovering hidden dependency in weighted networks via information entropy. Physical Review Research, 2021, 3, .	1.3	5
310	Lockdowns lose one third of their impact on mobility in a month. Scientific Reports, 2021, 11, 22658.	1.6	9
311	On some fundamental challenges in monitoring epidemics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210117.	1.6	4
312	Bayesian network-based spatial predictive modelling reveals COVID-19 transmission dynamics in Eswatini. Spatial Information Research, 2022, 30, 183-194.	1.3	3
313	Tracking and Controlling the Spatiotemporal Spread of SARSâ€CoVâ€2 Lineage B.1.1.7 in COVIDâ€19 Reopenings. GeoHealth, 2021, 5, e2021GH000517.	1.9	7
314	Human mobility models reveal the underlying mechanism of seasonal movements across China. International Journal of Modern Physics C, 2022, 33, .	0.8	4
315	Network percolation reveals adaptive bridges of the mobility network response to COVID-19. PLoS ONE, 2021, 16, e0258868.	1.1	11
316	Global internet search trends related to gastrointestinal symptoms predict regional COVID-19 outbreaks. Journal of Infection, 2022, 84, 56-63.	1.7	8
317	Data science approaches to confronting the COVID-19 pandemic: a narrative review. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210127.	1.6	28
318	Percolation of temporal hierarchical mobility networks during COVID-19. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20210116.	1.6	5
319	Consumption values, anxiety and organic food purchasing behaviour considering the moderating role of sustainable consumption attitude. British Food Journal, 2022, 124, 3540-3562.	1.6	11
320	Chronicles from the new normal: Urban planning, mobility and land-use management in the face of the COVID-19 crisis. Transportation Research Interdisciplinary Perspectives, 2021, 12, 100503.	1.6	19
321	The Geographic Spread of COVID-19 Correlates with Structure of Social Networks as Measured by Facebook. SSRN Electronic Journal, 0, , .	0.4	2

#	Article	IF	Citations
322	Social, Economic and Demographic Factors Determining COVID-19 Incidence and Mortality. An Ecological Analysis of 172 Countries. SSRN Electronic Journal, 0, , .	0.4	0
323	Computational Experiments for Complex Social Systemsâ€"Part II: The Evaluation of Computational Models. IEEE Transactions on Computational Social Systems, 2022, 9, 1224-1236.	3.2	6
325	A Theoretical Linguistic Fuzzy Rule-Based Compartmental Modeling for the COVID-19 Pandemic. International Journal of Fuzzy System Applications, 2022, 11, 1-22.	0.5	0
326	ExPrt: An Explainable Spatio-Temporal Framework for Prioritizing the COVID-19 Vaccination in India. SSRN Electronic Journal, 0, , .	0.4	0
327	Control-oriented Modelling of Spatial Interaction-driven Migration. , 2021, , .		1
328	Dynamic characteristics of the COVID-19 epidemic in Chinaâ€™s major cities. Annals of GIS, 0, , 1-12.	1.4	0
329	A queueingâ€theoretic framework for evaluating transmission risks in service facilities during a pandemic. Production and Operations Management, 2023, 32, 1453-1470.	2.1	5
330	Impact of the Urban Exodus Triggered by the COVID-19 Pandemic on the Shrinking Cities of the Osaka Metropolitan Area. Sustainability, 2022, 14, 1601.	1.6	8
331	RiskEstim: A Software Package to Quantify COVID-19 Importation Risk. Frontiers in Physics, 2022, 10, .	1.0	2
333	Complex Contact Network of Patients at the Beginning of an Epidemic Outbreak: An Analysis Based on 1218 COVID-19 Cases in China. International Journal of Environmental Research and Public Health, 2022, 19, 689.	1.2	9
334	Investigating the Impact of Situational Influences and Social Support on Social Commerce during the COVID-19 Pandemic. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 104-121.	3.1	14
335	Will multi-industry supply chains' resilience under the impact of COVID-19 pandemic be different? A perspective from China's highway freight transport. Transport Policy, 2022, 118, 165-178.	3.4	15
336	Reducing bias in risk indices for COVID-19. Geospatial Health, 2022, 17, .	0.3	2
337	Applications of GIS and geospatial analyses in COVID-19 research: A systematic review. F1000Research, 0, 9, 1379.	0.8	7
338	Estimating US Earnings Loss Associated with COVID-19 Based on Human Capital Calculation. International Journal of Environmental Research and Public Health, 2022, 19, 1015.	1.2	7
339	Quantitative Analysis of COVID-19 Pandemic Responses Based on an Improved SEIR-SD Model. Complexity, 2022, 2022, 1-18.	0.9	1
340	Using mobile phone big data to discover the spatial patterns of rural migrant workersâ€™ return to work in Chinaâ€™s three urban agglomerations in the post-COVID-19 era. Environment and Planning B: Urban Analytics and City Science, 2023, 50, 878-894.	1.0	5
341	The effects of Wuhan highway lockdown measures on the spread of COVID-19 in China. Transport Policy, 2022, 117, 169-180.	3.4	8

#	Article	IF	Citations
342	Exploring the impact of under-reported cases on the COVID-19 spatiotemporal distributions using healthcare workers infection data. Cities, 2022, 123, 103593.	2.7	2
343	The influence of mask use on the spread of COVID-19 during pandemic in New York City. Results in Physics, 2022, 34, 105224.	2.0	41
344	A knowledge graph-based method for epidemic contact tracing in public transportation. Transportation Research Part C: Emerging Technologies, 2022, 137, 103587.	3.9	15
345	The emergence, genomic diversity and global spread of SARS-CoV-2. Nature, 2021, 600, 408-418.	13.7	249
346	Analysis of the Impact of Interprovincial Migration on the First Wave of COVID-19 Transmission in China. SAGE Open, 2022, 12, 215824402210855.	0.8	0
347	The Social Scar of the Pandemic: Impacts of COVID-19 Exposure on Interpersonal Trust. SSRN Electronic Journal, 0, , .	0.4	0
348	Bigdata-based investigation of heterogeneous migration and population distribution. Europhysics Letters, 2022, 137, 12004.	0.7	2
349	Large university with high COVID-19 incidence is not associated with excess cases in non-student population. Scientific Reports, 2022, 12, 3313.	1.6	8
350	Shifting temporal dynamics of human mobility in the United States. Journal of Transport Geography, 2022, 99, 103295.	2.3	4
351	Social disparities in the first wave of COVID-19 incidence rates in Germany: a county-scale explainable machine learning approach. BMJ Open, 2022, 12, e049852.	0.8	7
352	The spatial dissemination of COVID-19 and associated socio-economic consequences. Journal of the Royal Society Interface, 2022, 19, 20210662.	1.5	4
353	A novel architecture of Web-GIS for mapping and analysis of echinococcosis in Poland. Applied Geomatics, 2022, 14, 181-198.	1.2	1
354	Identifying the shifting sources to predict the dynamics of COVID-19 in the U.S.. Chaos, 2022, 32, 033104.	1.0	2
355	Drivers and forecasts of multiple waves of the coronavirus disease 2019 pandemic: A systematic analysis based on an interpretable machine learning framework. Transboundary and Emerging Diseases, 2022, 69, .	1.3	4
356	Impact of socio-economic environment and its interaction on the initial spread of COVID-19 in mainland China. Geospatial Health, 2022, 17, .	0.3	1
357	Human mobility and COVID-19 transmission: a systematic review and future directions. Annals of GIS, 2022, 28, 501-514.	1.4	35
358	Epidemiological geography at work: An exploratory review about the overall findings of spatial analysis applied to the study of CoViD-19 propagation along the first pandemic year. Geo Journal, 2023, 88, 1103-1125.	1.7	1
359	Time for a voluntary crisis research service. Cell Death and Differentiation, 2022, 29, 888-890.	5.0	0

#	Article	IF	Citations
360	Controlling Epidemic Spread: Reducing Economic Losses with Targeted Closures. Management Science, 2022, 68, 3175-3195.	2.4	24
361	Moderating Effect of a Cross-Level Social Distancing Policy on the Disparity of COVID-19 Transmission in the United States. ISPRS International Journal of Geo-Information, 2022, 11, 229.	1.4	3
362	Estimating the effect of mobility on SARS-CoV-2 transmission during the first and second wave of the COVID-19 epidemic, Switzerland, March to December 2020. Eurosurveillance, 2022, 27, .	3.9	9
363	Emoji use in China: popularity patterns and changes due to COVID-19. Applied Intelligence, 2022, , 1-11.	3.3	6
364	Optimization of energy efficiency and COVID-19 pandemic control in different indoor environments. Energy and Buildings, 2022, 261, 111954.	3.1	26
365	High altitude Relieves transmission risks of COVID-19 through meteorological and environmental factors: Evidence from China. Environmental Research, 2022, 212, 113214.	3.7	17
366	Assessing work resumption in hospitals during the COVIDâ€19 epidemic in China using multiscale geographically weighted regression. Transactions in GIS, 2022, 26, 2023-2040.	1.0	2
367	Human mobility data and analysis for urban resilience: A systematic review. Environment and Planning B: Urban Analytics and City Science, 2022, 49, 1507-1535.	1.0	11
368	Analyzing COVID-19â€™s impact on the travel mobility of various social groups in Chinaâ€™s Greater Bay Area via mobile phone big data. Transportation Research, Part A: Policy and Practice, 2022, 159, 263-281.	2.0	18
369	Role of stay-at-home requests and travel restrictions in preventing the spread of COVID-19 in Japan. Transportation Research, Part A: Policy and Practice, 2022, 159, 1-16.	2.0	21
370	Looking into mobility in the Covid-19 â€˜eye of the stormâ€™: Simulating virus spread and urban resilience in the Wuhan city region travel flow network. Cities, 2022, 126, 103675.	2.7	10
372	Evaluating the impacts of non-pharmaceutical interventions on the transmission dynamics of COVID-19 in Canada based on mobile network. PLoS ONE, 2021, 16, e0261424.	1.1	5
373	Vaccinations, Mobility and COVID-19 Transmission. International Journal of Environmental Research and Public Health, 2022, 19, 97.	1.2	16
374	Spatiotemporal spread characteristics and influencing factors of COVIDâ€19 cases: Based on big data of population migration in China. Growth and Change, 2022, 53, 1694-1715.	1.3	6
375	Complexity of COVID-19 Dynamics. Entropy, 2022, 24, 50.	1.1	11
377	Contact network analysis of Covid-19 in tourist areasâ€”â€”Based on 333 confirmed cases in China. PLoS ONE, 2021, 16, e0261335.	1.1	5
378	Passenger-to-Car Assignment Optimization Model for High-Speed Railway with Risk of COVID-19 Transmission Consideration. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	7
379	Likely community transmission of COVID-19 infections between neighboring, persistent hotspots in Ontario, Canada. F1000Research, 0, 10, 1312.	0.8	1

#	Article	IF	Citations
380	Early Detection of COVID-19 Hotspots Using Spatio-Temporal Data. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 250-260.	7.3	3
381	Highly coordinated nationwide massive travel restrictions are central to effective mitigation and control of COVID-19 outbreaks in China. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2022, 478, 20220040.	1.0	10
382	Risk assessment for precise intervention of COVID-19 epidemic based on available big data and spatio-temporal simulation method: Empirical evidence from different public places in Guangzhou, China. Applied Geography, 2022, 143, 102702.	1.7	13
384	Key links in network interactions: Assessing route-specific travel restrictions in China during the Covid-19 pandemic. China Economic Review, 2022, , 101800.	2.1	1
385	COVID-19 distributes socially in China: A Bayesian spatial analysis. PLoS ONE, 2022, 17, e0267001.	1.1	3
387	Quantifying Covid-19 Pandemic Recovery Through Human Mobility Perspective: An Intra-City Study with the One-Wave Complete Process in Wuhan. SSRN Electronic Journal, 0, , .	0.4	0
388	Individual Misreporting in a Pandemic and Interventions: A Lab-Field Investigation. SSRN Electronic Journal, 0, , .	0.4	0
389	Exploring the complex structural evolution of global primary product trade network. Regional Sustainability, 2022, 3, 82-94.	1.1	1
390	Research on Spatial-temporal Spread and Risk Profile of the COVID-19 Epidemic Based on Mobile Phone Trajectory Data. Frontiers in Big Data, 2022, 5, 705698.	1.8	1
391	Assessing the spread risk of COVID-19 associated with multi-mode transportation networks in China. Fundamental Research, 2023, 3, 305-310.	1.6	3
392	SARS-CoV-2 Dissemination Using a Network of the US Counties. SN Operations Research Forum, 2022, 3, .	0.6	3
393	Hybrid Deep Learning Techniques for Predicting Complex Phenomena: A Review on COVID-19. AI, 2022, 3, 416-433.	2.1	11
394	Illuminated border: Spatiotemporal analysis of COVID-19 pressure in the Sino-Burma border from the perspective of nighttime light. International Journal of Applied Earth Observation and Geoinformation, 2022, 109, 102774.	0.9	5
395	The Relationship between Prevention and Panic from COVID-19, Ethical Principles, Life Expectancy, Anxiety, Depression and Stress. International Journal of Environmental Research and Public Health, 2022, 19, 5841.	1.2	6
396	Impact of the COVID-19 Epidemic on Population Mobility Networks in the Beijingâ€“Tianjinâ€“Hebei Urban Agglomeration from a Resilience Perspective. Land, 2022, 11, 675.	1.2	11
397	Traffic Data-Empowered XGBoost-LSTM Framework for Infectious Disease Prediction. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 774-785.	4.7	5
398	The spatiotemporal evolution of COVID-19 in China and its impact on urban economic resilience. China Economic Review, 2022, 74, 101806.	2.1	55
399	Variability scaling and capacity planning in Covid-19 pandemic. Fundamental Research, 2023, 3, 627-639.	1.6	0

#	Article	IF	Citations
400	Characteristics of Spatial and Temporal Distribution and Influencing Factors of COVID-19â€"A Case Study of Shijiazhuang City. Advances in Applied Mathematics, 2022, 11, 2747-2763.	0.0	0
401	Quantifying Mobility Perturbation in Americaâ€™s Cities during COVID-19: A Network-Based Approach. , 2022, , .		0
402	Analysis of the impact of non-compulsory measures on human mobility in Japan during the COVID-19 pandemic. Cities, 2022, 127, 103751.	2.7	5
403	Influential Factors of Intercity Patient Mobility and its Network Structure in China. SSRN Electronic Journal, 0, , .	0.4	0
404	The Shock, the Coping, the Resilience: How Smartphone Application Use Reveals Covid-19 Lockdown Effects on Human Behaviour. SSRN Electronic Journal, 0, , .	0.4	0
405	Modelling: Understanding pandemics and how to control them. Epidemics, 2022, 39, 100588.	1.5	8
406	A longitudinal study of the impact of university student return to campus on the SARS-CoV-2 seroprevalence among the community members. Scientific Reports, 2022, 12, .	1.6	8
407	Quantifying human mixing patterns in Chinese provinces outside Hubei after the 2020 lockdown was lifted. BMC Infectious Diseases, 2022, 22, .	1.3	2
408	The Impact of China's Paired Assistance Policy on the COVID-19 Crisisâ€"An Empirical Case Study of Hubei Province. Frontiers in Public Health, 2022, 10, .	1.3	0
409	Exploring the Relationship among Human Activities, COVID-19 Morbidity, and At-Risk Areas Using Location-Based Social Media Data: Knowledge about the Early Pandemic Stage in Wuhan. International Journal of Environmental Research and Public Health, 2022, 19, 6523.	1.2	4
410	Spatiotemporal disparities in regional public risk perception of COVID-19 using Bayesian Spatiotemporally Varying Coefficients (STVC) series models across Chinese cities. International Journal of Disaster Risk Reduction, 2022, 77, 103078.	1.8	11
411	Risk Assessment and Prevention Strategy of Virus Infection in the Context of University Resumption. Buildings, 2022, 12, 806.	1.4	2
412	Potential fields and fluctuation-dissipation relations derived from human flow in urban areas modeled by a network of electric circuits. Scientific Reports, 2022, 12, .	1.6	0
413	Evaluating the policy of closing bars and restaurants in CataluÃ±a and its effects on mobility and COVID19 incidence. Scientific Reports, 2022, 12, .	1.6	6
414	Applying a Population Flowâ€"Based Spatial Weight Matrix in Spatial Econometric Models: Conceptual Framework and Application to COVID-19 Transmission Analysis. Annals of the American Association of Geographers, 2022, 112, 2266-2286.	1.5	3
415	Evolution of cooperation with time-varying tags and heterogeneous immigration dynamics. International Journal of Modern Physics C, 0, , .	0.8	2
416	Strategy evaluation and optimization with an artificial society towards a Pareto optimum. Innovation(China), 2022, , 100274.	5.2	2
417	COVID-19 lockdown introduces human mobility pattern changes for both Guangdong-Hong Kong-Macao greater bay area and the San Francisco bay area. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102848.	0.9	2

#	Article	IF	Citations
418	Estimating unconfirmed COVID-19 infection cases and multiple waves of pandemic progression with consideration of testing capacity and non-pharmaceutical interventions: A dynamic spreading model. Information Sciences, 2022, 607, 418-439.	4.0	5
419	Structural changes in intercity mobility networks of China during the COVID-19 outbreak: A weighted stochastic block modeling analysis. Computers, Environment and Urban Systems, 2022, 96, 101846.	3.3	12
420	Data-driven contact network models of COVID-19 reveal trade-offs between costs and infections for optimal local containment policies. Cities, 2022, 128, 103805.	2.7	0
422	Tourism demand forecasting from the perspective of mobility: a brand-new predictive variable generated from intercity population mobility big data. Asia Pacific Journal of Tourism Research, 2022, 27, 526-546.	1.8	9
423	What Affects Perceived Health Risk Attitude During the Pandemic: Evidence From Migration and Dining Behavior in China. International Regional Science Review, 2023, 46, 127-148.	1.0	3
424	Resilience and recovery of public transport use during COVID-19. Npj Urban Sustainability, 2022, 2, .	3.7	17
425	Study on the Risk of Transmission of COVID-19 Based on Population Migration. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	0
426	Modeling the External, Internal, and Multi-Center Transmission of Infectious Diseases: The COVID-19 Case. Journal of Social Computing, 2022, 3, 171-181.	1.5	2
427	Clustering and mapping the first COVID-19 outbreak in France. BMC Public Health, 2022, 22, .	1.2	7
428	Socially Connected Neighborhoods and the Spread of Sexually Transmitted Infections. Demography, 2022, 59, 1299-1323.	1.2	3
429	A Social Media Infodemic-Based Prediction Model for the Number of Severe and Critical COVID-19 Patients in the Lockdown Area. International Journal of Environmental Research and Public Health, 2022, 19, 8109.	1.2	2
430	Analyzing the Effect of Social Distancing Policies on Traffic at Sinchon Station, South Korea, during the COVID-19 Pandemic in 2020 and 2021. International Journal of Environmental Research and Public Health, 2022, 19, 8535.	1.2	1
431	Likely community transmission of COVID-19 infections between neighboring, persistent hotspots in Ontario, Canada. F1000Research, 0, 10, 1312.	0.8	0
432	Spatial Syndromic Surveillance and COVID-19 in the U.S.: Local Cluster Mapping for Pandemic Preparedness. International Journal of Environmental Research and Public Health, 2022, 19, 8931.	1.2	3
433	Perspectives from remote sensing to investigate the COVID-19 pandemic: A future-oriented approach. Frontiers in Public Health, 0, 10, .	1.3	4
434	High-Precision Population Spatialization in Metropolises Based on Ensemble Learning: A Case Study of Beijing, China. Remote Sensing, 2022, 14, 3654.	1.8	7
435	Mobility and Dissemination of COVID-19 in Portugal: Correlations and Estimates from Googleâ€™s Mobility Data. Data, 2022, 7, 107.	1.2	3
436	Monitoring supply networks from mobile phone data for estimating the systemic risk of an economy. Scientific Reports, 2022, 12, .	1.6	6

#	Article	IF	Citations
438	Evaluation of the Spatial Effect of Network Resilience in the Yangtze River Delta: An Integrated Framework for Regional Collaboration and Governance under Disruption. Land, 2022, 11, 1359.	1.2	5
439	The Socio-Economic Factors of the Covid-19 Pandemic in Turkey: A Spatial Perspective. , 0, , .		0
441	Spatial mobility patterns and COVIDâ€19 incidence: A regional analysis of the second wave in the Netherlands. Regional Science Policy and Practice, 2022, 14, 21-40.	0.8	2
442	A mechanistic spatioâ€temporal modeling of COVIDâ€19 data. Biometrical Journal, 2023, 65, .	0.6	7
443	Inside out: human mobility big data show how COVID-19 changed the urban network structure in the Seoul Metropolitan Area. Cambridge Journal of Regions, Economy and Society, 0, , .	1.7	1
444	The Impact of Sustainable Development of Cold Chain Logistics on Chinaâ€™s COVID-19 Pandemic. Sustainability, 2022, 14, 10358.	1.6	1
445	Analysis of the Geographic Transmission Differences of COVID-19 in China Caused by Population Movement and Population Density. Bulletin of Mathematical Biology, 2022, 84, .	0.9	3
446	Zooming into mobility to understand cities: A review of mobility-driven urban studies. Cities, 2022, 130, 103939.	2.7	8
447	Characterizing pandemic waves: A latent class analysis of COVID-19 spread across US counties. Pattern Recognition Letters, 2022, 162, 31-39.	2.6	2
448	An Analysis of Changes in County-Level Travel Behavior Considering COVID-19â€“Related Travel Restrictions, Immunization Patterns, and Political Leanings. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	0.8	4
449	The resilience of national highway transportation in China under the COVID-19 outbreak. , 2023, , 311-319.		0
450	Influential factors of intercity patient mobility and its network structure in China. Cities, 2023, 132, 103975.	2.7	12
451	Sentiment-Based Spatiotemporal Prediction Framework for Pandemic Outbreaks Awareness Using Social Networks Data Classification. IEEE Access, 2022, 10, 76434-76469.	2.6	2
452	Implicit privacy preservation: a framework based on data generation. , 2022, 1, 2022008.		0
453	Urban Change in Cities During the COVID-19 Pandemic: An Analysis of the Nexus of Factors from Around the World. Lecture Notes in Networks and Systems, 2022, , 1048-1058.	0.5	0
454	Understanding the Necessity and Economic Benefits of Lockdown Measures to Contain COVID-19. IEEE Transactions on Computational Social Systems, 2022, , 1-13.	3.2	2
455	Epidemic Modeling ofÂtheÂSpatiotemporal Spread ofÂCOVID-19 overÂanÂIntercity Population Mobility Network. Lecture Notes in Computer Science, 2022, , 147-159.	1.0	0
456	Spatialâ€“Temporal Urban Mobility Pattern Analysis During COVID-19 Pandemic. IEEE Transactions on Computational Social Systems, 2024, 11, 38-50.	3.2	3

#	Article	IF	Citations
457	Reflections on Chinaâ€™s primary care response to COVID-19: roles, limitations and implications. Primary Health Care Research and Development, 2022, 23, .	0.5	5
458	Identifying spreading influence nodes for social networks. Frontiers of Engineering Management, 2022, 9, 520-549.	3.3	10
459	Sports Participation and Anti-Epidemic: Empirical Evidence on the Influence of Regular Physical Activity on the COVID-19 Pandemic in Mainland China. International Journal of Environmental Research and Public Health, 2022, 19, 10689.	1.2	1
460	Changing weekend effects of air pollutants in Beijing under 2020 COVID-19 lockdown controls. Npj Urban Sustainability, 2022, 2, .	3.7	4
462	Predicting onset risk of COVID-19 symptom to support healthy travel route planning in the new normal of long-term coexistence with SARS-CoV-2. Environment and Planning B: Urban Analytics and City Science, 0, , 239980832211277.	1.0	0
463	Night-Time Skyglow Dynamics during the COVID-19 Epidemic in Guangbutun Region of Wuhan City. Remote Sensing, 2022, 14, 4451.	1.8	3
464	Time series cross-correlation between home range and number of infected people during the COVID-19 pandemic in a suburban city. PLoS ONE, 2022, 17, e0267335.	1.1	4
465	Quantitative assessment of the effects of resource optimization and ICU admission policy on COVID-19 mortalities. Physical Review Research, 2022, 4, .	1.3	2
466	Mitigating virus spread through dynamic control of community-based social interactions for infection rate and cost. Social Network Analysis and Mining, 2022, 12, .	1.9	2
467	Global transmission of COVID-19 â€" A gravity model approach. International Journal of Modern Physics C, 2023, 34, .	0.8	3
468	Simulating the effects of mobility restrictions in the spread of SARS-CoV-2 in metropolitan areas in Portugal. PLoS ONE, 2022, 17, e0274286.	1.1	1
469	A tale of two Americas: Socio-economic mobility gaps within and across American cities before and during the pandemic. Cities, 2022, 131, 104006.	2.7	5
470	Spatiotemporal patterns of the daily relative risk of COVID-19 in China. Journal of Chinese Geography, 2021, 31, 1039-1058.	1.5	0
471	Modeling the spatial relationship of Covid-19 with factors and determining hotspots: A GIS-based spatial regression approach. AIP Conference Proceedings, 2022, , .	0.3	0
472	Modeling the number of COVID-19 cases in St. Petersburg in the period 2020â€"2022. ZdorovÊ¹e Megapolisa, 2022, 3, 30-38.	0.1	1
473	Simulation and forecasting models of COVID-19 taking into account spatio-temporal dynamic characteristics: A review. Frontiers in Public Health, 0, 10, .	1.3	7
474	Human mobility variations in response to restriction policies during the COVID-19 pandemic: An analysis from the Virus Watch community cohort in England, UK. Frontiers in Public Health, 0, 10, .	1.3	5
475	Go To Travel campaign and the geographic spread of COVID-19 in Japan. BMC Infectious Diseases, 2022, 22, .	1.3	5

#	Article	IF	Citations
476	The health benefit of physical exercise on COVID-19 pandemic: Evidence from mainland China. PLoS ONE, 2022, 17, e0275425.	1.1	0
477	Ultrasensitive NO Sensor Based on a Nickel Single-Atom Electrocatalyst for Preliminary Screening of COVID-19. ACS Sensors, 2022, 7, 3422-3429.	4.0	9
478	Cities in a pandemic: Evidence from China. Journal of Regional Science, 2023, 63, 379-408.	2.1	1
479	Using mobile network data to color epidemic risk maps. , 2022, , .		1
480	Population flow based spatial-temporal eigenvector filtering modeling for exploring effects of health risk factors on COVID-19. Sustainable Cities and Society, 2022, 87, 104256.	5.1	8
481	Investigating the two-way relationship between mobility flows and COVID-19 cases. Economic Modelling, 2023, 118, 106083.	1.8	6
482	Exploring the Effect of Social Media and Spatial Characteristics During the COVID-19 Pandemic in China. IEEE Transactions on Network Science and Engineering, 2023, 10, 553-564.	4.1	4
483	Exploring the Impact of Localized COVID-19 Events on Intercity Mobility during the Normalized Prevention and Control Period in China. International Journal of Environmental Research and Public Health, 2022, 19, 14421.	1.2	0
484	Use of temporal contact graphs to understand the evolution of COVID-19 through contact tracing data. Communications Physics, 2022, 5, .	2.0	3
485	COVID-19, traffic demand, and activity restriction in China: A national assessment. Travel Behaviour & Society, 2023, 31, 10-23.	2.4	8
486	Global Distribution, Dispersal Patterns, and Trend of Several Omicron Subvariants of SARS-CoV-2 across the Globe. Tropical Medicine and Infectious Disease, 2022, 7, 373.	0.9	19
487	Telemedicine and Digital Public Health in Pandemic Times. Advances in Healthcare Information Systems and Administration Book Series, 2022, , 118-137.	0.2	0
488	Future behaviours decision-making regarding travel avoidance during COVID-19 outbreaks. Scientific Reports, 2022, 12, .	1.6	2
489	Quantifying COVID-19 recovery process from a human mobility perspective: An intra-city study in Wuhan. Cities, 2023, 132, 104104.	2.7	4
490	Reactiveâ€“diffusion epidemic model on human mobility networks: Analysis and applications to COVID-19 in China. Physica A: Statistical Mechanics and Its Applications, 2023, 609, 128337.	1.2	5
491	Leveraging Human Mobility Data for Efficient Parameter Estimation in Epidemic Models of COVID-19. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 763-773.	4.7	2
492	Spatio-Temporal Variations of the COVID-19 Epidemic in Mexico. , 2022, , .		0
493	Machine learning based regional epidemic transmission risks precaution in digital society. Scientific Reports, 2022, 12, .	1.6	1

#	Article	IF	Citations
494	Improving epidemic risk maps using mobility information from mobile network data. , 2022, , .		0
495	The Apple Mobility Trends Data in Human Mobility Patterns during Restrictions and Prediction of COVID-19: A Systematic Review and Meta-Analysis. Healthcare (Switzerland), 2022, 10, 2425.	1.0	5
496	Modelling the propagation of infectious disease via transportation networks. Scientific Reports, 2022, 12, .	1.6	0
497	Social Behavior and COVID-19: Analysis of the Social Factors behind Compliance with Interventions across the United States. International Journal of Environmental Research and Public Health, 2022, 19, 15716.	1.2	3
498	Do governmental policy interventions help urban economic recovery? Experimental evidence from China's provinces governance amid the COVIDâ€19 pandemic. Growth and Change, 2023, 54, 507-528.	1.3	1
499	Social implications of Covid-19: Its impact on general trust, political trust, and trust in physicians in China. Social Science and Medicine, 2023, 317, 115629.	1.8	4
500	Changes in mobility amid the COVID-19 pandemic in Sapporo City, Japan: An investigation through the relationship between spatiotemporal population density and urban facilities. Transportation Research Interdisciplinary Perspectives, 2023, 17, 100744.	1.6	2
501	The impact of COVID-19 on mobility choices in Switzerland. Transportation Research, Part A: Policy and Practice, 2023, 169, 103582.	2.0	7
502	A dataset to assess mobility changes in Chile following local quarantines. Scientific Data, 2023, 10, .	2.4	2
503	Replacing discontinued Big Tech mobility reports: a penetration-based analysis. Scientific Reports, 2023, 13, .	1.6	2
504	Mapping Population Distribution with High Spatiotemporal Resolution in Beijing Using Baidu Heat Map Data. Remote Sensing, 2023, 15, 458.	1.8	10
505	A new method for spatio-temporal transmission prediction of COVID-19. Chaos, Solitons and Fractals, 2023, 167, 112996.	2.5	6
506	Improved air quality leads to enhanced vegetation growth during the COVIDâ€“19 lockdown in India. Applied Geography, 2023, 151, 102869.	1.7	7
507	The Effect of Domestic Air Travel on the Spread of COVID-19 in the U.S.. Applied Economics Letters, 0, , 1-4.	1.0	0
508	Losses of Life Expectancy and Productivity Associated with COVID-19 Pandemic in Canada: Policy Implication for Future Communicable Disease Control. International Journal of Environmental Research and Public Health, 2023, 20, 2419.	1.2	0
509	Flow and access: Driving forces of COVID-19 spreading in the first stage around Hubei, China. PLoS ONE, 2023, 18, e0280323.	1.1	0
510	High-Resolution Data on Human Behavior for Effective COVID-19 Policy-Making â€" Wuhan City, Hubei Province, China, January 1â€"February 29, 2020. China CDC Weekly, 2023, 5, 76-81.	1.0	3
511	Predicting factors affecting business operations during pandemic COVID-19. Kybernetes, 2023, ahead-of-print, .	1.2	1

#	Article	IF	Citations
512	A general urban spreading pattern of COVID-19 and its underlying mechanism. Npj Urban Sustainability, 2023, 3, .	3.7	2
513	Percolation transitions in urban mobility networks in America's 50 largest cities. Sustainable Cities and Society, 2023, 91, 104435.	5.1	3
514	The formation and proximity mechanism of population flow networks under multiple traffic in China. Cities, 2023, 136, 104211.	2.7	4
515	Cross-regional analysis of the association between human mobility and COVID-19 infection in Southeast Asia during the transitional period of â€œliving with COVID-19â€• Health and Place, 2023, 81, 103000.	1.5	5
516	Signal propagation in complex networks. Physics Reports, 2023, 1017, 1-96.	10.3	50
517	The social scar of the pandemic: Impacts of COVID-19 exposure on interpersonal trust. Journal of Asian Economics, 2023, 86, 101609.	1.2	2
518	Interaction between travel restriction policies and the spread of COVID-19. Transport Policy, 2023, 136, 209-227.	3.4	3
519	Modeling and multi-objective optimal control of reaction-diffusion COVID-19 system due to vaccination and patient isolation. Applied Mathematical Modelling, 2023, 118, 556-591.	2.2	4
520	Economic and Socio-Cultural Impacts of Recreational Activities by COVID-19. Advanced Series in Management, 2023, 30, 187-209.	0.8	0
521	Why Did Urban Exodus Occur during the COVID-19 Pandemic from the Perspective of Residential Preference of Each Type of Household? Case of Japanese Metropolitan Areas. Sustainability, 2023, 15, 3315.	1.6	4
522	Mobility and the spatial spread of sars-cov-2 in Belgium. Mathematical Biosciences, 2023, 360, 108957.	0.9	4
523	Exploring the Potential of Big Data Analytics in Urban Epidemiology Control: A Comprehensive Study Using CiteSpace. International Journal of Environmental Research and Public Health, 2023, 20, 3930.	1.2	5
524	Allocation of emergency medical resources for epidemic diseases considering the heterogeneity of epidemic areas. Frontiers in Public Health, 0, 11, .	1.3	0
525	People Flow Trend Estimation Approach and Quantitative Explanation Based on the Scene Level Deep Learning of Street View Images. Remote Sensing, 2023, 15, 1362.	1.8	0
526	Epidemic Diffusion Network of Spain: A Mobility Model to Characterize the Transmission Routes of Disease. International Journal of Environmental Research and Public Health, 2023, 20, 4356.	1.2	1
527	Effect of cities and distance on COVID-19 spreading in the United States. Physical Review E, 2023, 107, .	0.8	1
528	Modeling the dynamics of key integrated indicators for the COVID-19 spread in St. Petersburg. ZdorovÊ¹e Megapolisa, 2023, 4, 83-89.	0.1	0
529	COVID-19 and labour market resilience: evidence from large-scale recruitment behaviour. Regional Studies, 2024, 58, 45-60.	2.5	0

#	Article	IF	Citations
530	An evaluation framework for operational interventions on urban mass public transport during a pandemic. Scientific Reports, 2023, 13, .	1.6	2
531	Risk assessment of infectious disease epidemic based on fuzzy Bayesian network. Risk Analysis, 2024, 44, 40-53.	1.5	0
532	Resilience patterns of human mobility in response to extreme urban floods. National Science Review, 2023, 10, .	4.6	4
533	Time tracing the earliest case of local pandemic resurgence. Frontiers in Physics, 0, 11, .	1.0	0
534	Geographic disparities and temporal changes of COVID-19 incidence risks in North Dakota, United States. BMC Public Health, 2023, 23, .	1.2	1
573	The Influence of COVID-19 on Transport Mode Shift: A Case of African International Students in Wuhan-China. , 2023, , .		0
591	Construction and Simulation of Major Infectious Disease Transmission Model Based on Individual-Place Interaction. Communications in Computer and Information Science, 2023, , 178-195.	0.4	0
601	Spatio-temporal dynamics and distributional trend analysis of African swine fever outbreaks (2020â€“2021) in North-East India. Tropical Animal Health and Production, 2024, 56, .	0.5	0
608	Disease Spread Control in Cruise Ships: Monitoring, Simulation, and Decision Making. , 2024, , 93-141.		0