Jinfeng Wang

List of Publications by Year in descending order

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203 papers	9,160 citations	66234 42 h-index	49773 87 g-index
210 all docs	210 docs citations	210 times ranked	7088 citing authors

#	Article	IF	Citations
1	Geographical Detectorsâ€Based Health Risk Assessment and its Application in the Neural Tube Defects Study of the Heshun Region, China. International Journal of Geographical Information Science, 2010, 24, 107-127.	2.2	1,510
2	A measure of spatial stratified heterogeneity. Ecological Indicators, 2016, 67, 250-256.	2.6	1,042
3	Environmental health risk detection with GeogDetector. Environmental Modelling and Software, 2012, 33, 114-115.	1.9	350
4	An optimal parameters-based geographical detector model enhances geographic characteristics of explanatory variables for spatial heterogeneity analysis: cases with different types of spatial data. GIScience and Remote Sensing, 2020, 57, 593-610.	2.4	321
5	A review of spatial sampling. Spatial Statistics, 2012, 2, 1-14.	0.9	257
6	Optimal discretization for geographical detectors-based risk assessment. GIScience and Remote Sensing, 2013, 50, 78-92.	2.4	157
7	The association between consecutive daysâ€™ heat wave and cardiovascular disease mortality in Beijing, China. BMC Public Health, 2017, 17, 223.	1.2	153
8	Spatial Data Analysis. SpringerBriefs in Regional Science, 2011, , .	0.2	141
9	Air temperature retrieval from remote sensing data based on thermodynamics. Theoretical and Applied Climatology, 2005, 80, 37-48.	1.3	139
10	Spatial association between dissection density and environmental factors over the entire conterminous United States. Geophysical Research Letters, 2016, 43, 692-700.	1.5	126
11	Sample surveying to estimate the mean of a heterogeneous surface: reducing the error variance through zoning. International Journal of Geographical Information Science, 2010, 24, 523-543.	2.2	120
12	Driving forces and their interactions of built-up land expansion based on the geographical detector â€“ a case study of Beijing, China. International Journal of Geographical Information Science, 2016, 30, 2188-2207.	2.2	120
13	Investigation of residual fluoroquinolones in a soilâ€“vegetable system in an intensive vegetable cultivation area in Northern China. Science of the Total Environment, 2014, 468-469, 258-264.	3.9	110
14	High prevalence of NTDs in Shanxi Province: A combined epidemiological approach. Birth Defects Research Part A: Clinical and Molecular Teratology, 2007, 79, 702-707.	1.6	108
15	Mapping the increased minimum mortality temperatures in the context of global climate change. Nature Communications, 2019, 10, 4640.	5.8	105
16	Projecting heat-related excess mortality under climate change scenarios in China. Nature Communications, 2021, 12, 1039.	5.8	102
17	Determinants of the Incidence of Hand, Foot and Mouth Disease in China Using Geographically Weighted Regression Models. PLoS ONE, 2012, 7, e38978.	1.1	100
18	Geographical Detector-Based Risk Assessment of the Under-Five Mortality in the 2008 Wenchuan Earthquake, China. PLoS ONE, 2011, 6, e21427.	1.1	98

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19	Identification of Health Risks of Hand, Foot and Mouth Disease in China Using the Geographical Detector Technique. International Journal of Environmental Research and Public Health, 2014, 11, 3407-3423.	1.2	96
20	Influence of planting patterns on fluoroquinolone residues in the soil of an intensive vegetable cultivation area in northern China. Science of the Total Environment, 2013, 458-460, 63-69.	3.9	91
21	Assessment of Catastrophic Risk Using Bayesian Network Constructed from Domain Knowledge and Spatial Data. Risk Analysis, 2010, 30, 1157-1175.	1.5	90
22	Estimation of Citywide Air Pollution in Beijing. PLoS ONE, 2013, 8, e53400.	1.1	84
23	Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 4167-4174.	2.7	76
24	Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. Scientific Reports, 2016, 6, 20604.	1.6	76
25	Population Exposure to PM2.5 in the Urban Area of Beijing. PLoS ONE, 2013, 8, e63486.	1.1	72
26	Modelling and prediction of global non-communicable diseases. BMC Public Health, 2020, 20, 822.	1.2	66
27	Multiple mechanisms underlie rapid expansion of an invasive alien plant. New Phytologist, 2011, 191, 828-839.	3.5	64
28	Estimation of daily PM 2.5 concentration and its relationship with meteorological conditions in Beijing. Journal of Environmental Sciences, 2016, 48, 161-168.	3.2	64
29	Distribution of Aedes albopictus (Diptera: Culicidae) in Northwestern China. Vector-Borne and Zoonotic Diseases, 2011, 11, 1181-1186.	0.6	63
30	Exploratory spatial data analysis for the identification of risk factors to birth defects. BMC Public Health, 2004, 4, 23.	1.2	60
31	Understanding the spatial diffusion process of severe acute respiratory syndrome in Beijing. Public Health, 2005, 119, 1080-1087.	1.4	60
32	The Lag Effects and Vulnerabilities of Temperature Effects on Cardiovascular Disease Mortality in a Subtropical Climate Zone in China. International Journal of Environmental Research and Public Health, 2014, 11, 3982-3994.	1.2	60
33	Spatiotemporal analysis of indigenous and imported dengue fever cases in Guangdong province, China. BMC Infectious Diseases, 2012, 12, 132.	1.3	59
34	A new estimate of the China temperature anomaly series and uncertainty assessment in 1900â€“2006. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1-9.	1.2	58
35	A new integrated and homogenized global monthly land surface air temperature dataset for the period since 1900. Climate Dynamics, 2018, 50, 2513-2536.	1.7	56
36	Spatial dynamics of an epidemic of severe acute respiratory syndrome in an urban area. Bulletin of the World Health Organization, 2006, 84, 965-968.	1.5	55

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37	Spatial and temporal characteristics of particulate matter in Beijing, China using the Empirical Mode Decomposition method. Science of the Total Environment, 2013, 458-460, 70-80.	3.9	53
38	Spatial estimation of antibiotic residues in surface soils in a typical intensive vegetable cultivation area in China. Science of the Total Environment, 2012, 430, 126-131.	3.9	51
39	Design-based spatial sampling: Theory and implementation. Environmental Modelling and Software, 2013, 40, 280-288.	1.9	50
40	Comparisons of Time Series of Annual Mean Surface Air Temperature for China since the 1900s: Observations, Model Simulations, and Extended Reanalysis. Bulletin of the American Meteorological Society, 2017, 98, 699-711.	1.7	50
41	Maternal exposure to ambient PM10 during pregnancy increases the risk of congenital heart defects: Evidence from machine learning models. Science of the Total Environment, 2018, 630, 1-10.	3.9	50
42	Air pollution exposure associates with increased risk of neonatal jaundice. Nature Communications, 2019, 10, 3741.	5.8	48
43	An information-fusion method to identify pattern of spatial heterogeneity for improving the accuracy of estimation. Stochastic Environmental Research and Risk Assessment, 2008, 22, 689-704.	1.9	45
44	Seasonal association between viral causes of hospitalised acute lower respiratory infections and meteorological factors in China: a retrospective study. Lancet Planetary Health, The, 2021, 5, e154-e163.	5.1	45
45	A method for extracting rules from spatial data based on rough fuzzy sets. Knowledge-Based Systems, 2014, 57, 28-40.	4.0	43
46	Evaluation of Sampling Methods for Validation of Remotely Sensed Fractional Vegetation Cover. Remote Sensing, 2015, 7, 16164-16182.	1.8	40
47	Sandwich Estimation for Multi-Unit Reporting on a Stratified Heterogeneous Surface. Environment and Planning A, 2013, 45, 2515-2534.	2.1	39
48	Interpolation of Missing Temperature Data at Meteorological Stations Using P-BSHADE*. Journal of Climate, 2013, 26, 7452-7463.	1.2	39
49	Spatial analysis of neural tube defects in a rural coal mining area. International Journal of Environmental Health Research, 2010, 20, 439-450.	1.3	38
50	Cities evolution tree and applications to predicting urban growth. Population and Environment, 2012, 33, 186-201.	1.3	38
51	Optimal Water Resource Allocation in Arid and Semi-Arid Areas. Water Resources Management, 2008, 22, 239-258.	1.9	37
52	A spatial sampling optimization package using MSN theory. Environmental Modelling and Software, 2011, 26, 546-548.	1.9	37
53	Hybrid Optimal Design of the Eco-Hydrological Wireless Sensor Network in the Middle Reach of the Heihe River Basin, China. Sensors, 2014, 14, 19095-19114.	2.1	37
54	Area Disease Estimation Based on Sentinel Hospital Records. PLoS ONE, 2011, 6, e23428.	1.1	36

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55	Understanding the inconsistent relationships between socioeconomic factors and poverty incidence across contiguous poverty-stricken regions in China: Multilevel modelling. Spatial Statistics, 2017, 21, 406-420.	0.9	36
56	Exploring spatiotemporal nonstationary effects of climate factors on hand, foot, and mouth disease using Bayesian Spatiotemporally Varying Coefficients (STVC) model in Sichuan, China. Science of the Total Environment, 2019, 648, 550-560.	3.9	36
57	Analysis of the geographic distribution of HFRS in Liaoning Province between 2000 and 2005. BMC Public Health, 2007, 7, 207.	1.2	35
58	Spatial-temporal detection of risk factors for bacillary dysentery in Beijing, Tianjin and Hebei, China. BMC Public Health, 2017, 17, 743.	1.2	35
59	Spatial heterogeneity of the driving forces of cropland change in China. Science in China Series D: Earth Sciences, 2005, 48, 2231-2240.	0.9	34
60	Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. BMC Public Health, 2010, 10, 52.	1.2	33
61	Using rough set theory to identify villages affected by birth defects: the example of Heshun, Shanxi, China. International Journal of Geographical Information Science, 2010, 24, 559-576.	2.2	33
62	Spatiotemporal Infectious Disease Modeling: A BME-SIR Approach. PLoS ONE, 2013, 8, e72168.	1.1	33
63	Temporal and Spatial Analysis of Neural Tube Defects and Detection of Geographical Factors in Shanxi Province, China. PLoS ONE, 2016, 11, e0150332.	1.1	33
64	Super-Resolution Reconstruction of Remote Sensing Images Using Multifractal Analysis. Sensors, 2009, 9, 8669-8683.	2.1	32
65	Risk assessment of human neural tube defects using a Bayesian belief network. Stochastic Environmental Research and Risk Assessment, 2010, 24, 93-100.	1.9	32
66	Integration of GP and GA for mapping population distribution. International Journal of Geographical Information Science, 2010, 24, 47-67.	2.2	32
67	Spatialâ€“temporal pattern and risk factor analysis of bacillary dysentery in the Beijingâ€“Tianjinâ€“Tangshan urban region of China. BMC Public Health, 2014, 14, 998.	1.2	32
68	Estimation of PM2.5 concentrations at a high spatiotemporal resolution using constrained mixed-effect bagging models with MAIAC aerosol optical depth. Remote Sensing of Environment, 2018, 217, 573-586.	4.6	32
69	Using spatial analysis and Bayesian network to model the vulnerability and make insurance pricing of catastrophic risk. International Journal of Geographical Information Science, 2010, 24, 1759-1784.	2.2	30
70	Monitoring hand, foot and mouth disease by combining search engine query data and meteorological factors. Science of the Total Environment, 2018, 612, 1293-1299.	3.9	30
71	Spatial distribution estimation of malaria in northern China and its scenarios in 2020, 2030, 2040 and 2050. Malaria Journal, 2016, 15, 345.	0.8	29
72	A New Method for Temperature Spatial Interpolation Based on Sparse Historical Stations. Journal of Climate, 2018, 31, 1757-1770.	1.2	28

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73	A spatiotemporal mixed model to assess the influence of environmental and socioeconomic factors on the incidence of hand, foot and mouth disease. BMC Public Health, 2018, 18, 274.	1.2	28
74	A spatial scan statistic for multiple clusters. Mathematical Biosciences, 2011, 233, 135-142.	0.9	27
75	Geographically weighted regressionâ€based determinants of malaria incidences in northern China. Transactions in GIS, 2017, 21, 934-953.	1.0	27
76	Prolonged continuous exposure to high fine particulate matter associated with cardiovascular and respiratory disease mortality in Beijing, China. Atmospheric Environment, 2017, 168, 1-7.	1.9	27
77	An Ensemble Spatiotemporal Model for Predicting PM2.5 Concentrations. International Journal of Environmental Research and Public Health, 2017, 14, 549.	1.2	26
78	The spatial statistic trinity: A generic framework for spatial sampling and inference. Environmental Modelling and Software, 2020, 134, 104835.	1.9	26
79	Spatiotemporal heterogeneity and its determinants of COVID-19 transmission in typical labor export provinces of China. BMC Infectious Diseases, 2021, 21, 242.	1.3	26
80	Spatiotemporal Transmission and Determinants of Typhoid and Paratyphoid Fever in Hongta District, Yunnan Province, China. PLoS Neglected Tropical Diseases, 2013, 7, e2112.	1.3	25
81	A study of spatiotemporal delay in hand, foot and mouth disease in response to weather variations based on SVD: a case study in Shandong Province, China. BMC Public Health, 2015, 15, 71.	1.2	25
82	Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. Parasites and Vectors, 2015, 8, 146.	1.0	25
83	Spatiotemporal epidemic characteristics and risk factor analysis of malaria in Yunnan Province, China. BMC Public Health, 2017, 17, 66.	1.2	25
84	Spatiotemporal evolution of the remotely sensed global continental PM2.5 concentration from 2000-2014 based on Bayesian statistics. Environmental Pollution, 2018, 238, 471-481.	3.7	25
85	Global land surface air temperature dynamics since 1880. International Journal of Climatology, 2018, 38, e466.	1.5	25
86	Risk Assessment and Mapping of Hand, Foot, and Mouth Disease at the County Level in Mainland China Using Spatiotemporal Zero-Inflated Bayesian Hierarchical Models. International Journal of Environmental Research and Public Health, 2018, 15, 1476.	1.2	25
87	Sampling and Kriging Spatial Means: Efficiency and Conditions. Sensors, 2009, 9, 5224-5240.	2.1	24
88	Typhoon insurance pricing with spatial decision support tools. International Journal of Geographical Information Science, 2005, 19, 363-384.	2.2	23
89	Spatio-temporal evolution of Beijing 2003 SARS epidemic. Science China Earth Sciences, 2010, 53, 1017-1028.	2.3	23
90	A new method for assessing the risk of infectious disease outbreak. Scientific Reports, 2017, 7, 40084.	1.6	23

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91	Spatiotemporal Analysis of Men Who Have Sex With Men in Mainland China: Social App Capture-Recapture Method. JMIR MHealth and UHealth, 2020, 8, e14800.	1.8	23
92	A stratified optimization method for a multivariate marine environmental monitoring network in the Yangtze River estuary and its adjacent sea. International Journal of Geographical Information Science, 2015, 29, 1332-1349.	2.2	22
93	Arsenic levels in the soil and risk of birth defects: a population-based case-control study using GIS technology. Journal of Environmental Health, 2011, 74, 20-5.	0.5	22
94	Cardiovascular Mortality Associated with Low and High Temperatures: Determinants of Inter-Region Vulnerability in China. International Journal of Environmental Research and Public Health, 2015, 12, 5918-5933.	1.2	21
95	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. Atmosphere, 2015, 6, 1307-1326.	1.0	21
96	A Bayesian Method to Mine Spatial Data Sets to Evaluate the Vulnerability of Human Beings to Catastrophic Risk. Risk Analysis, 2012, 32, 1072-1092.	1.5	20
97	Land Use/Cover Change Impacts on Water Table Change over 25 Years in a Desert-Oasis Transition Zone of the Heihe River Basin, China. Water (Switzerland), 2016, 8, 11.	1.2	20
98	A better indicator to measure the effects of meteorological factors on cardiovascular mortality: heat index. Environmental Science and Pollution Research, 2018, 25, 22842-22849.	2.7	20
99	A traffic cellular automata model based on road network grids and its spatial and temporal resolutionâ€™s influences on simulation. Simulation Modelling Practice and Theory, 2007, 15, 864-878.	2.2	19
100	Towards Identifying and Reducing the Bias of Disease Information Extracted from Search Engine Data. PLoS Computational Biology, 2016, 12, e1004876.	1.5	19
101	Spatiotemporal Risk of Bacillary Dysentery and Sensitivity to Meteorological Factors in Hunan Province, China. International Journal of Environmental Research and Public Health, 2018, 15, 47.	1.2	19
102	Modification Effects of Population Expansion, Ageing, and Adaptation on Heat-Related Mortality Risks Under Different Climate Change Scenarios in Guangzhou, China. International Journal of Environmental Research and Public Health, 2019, 16, 376.	1.2	19
103	A Spatial and Temporal Analysis of Japanese Encephalitis in Mainland China, 1963â€“1975: A Period without Japanese Encephalitis Vaccination. PLoS ONE, 2014, 9, e99183.	1.1	19
104	Spatial-Temporal Variation and Primary Ecological Drivers of Anopheles sinensis Human Biting Rates in Malaria Epidemic-Prone Regions of China. PLoS ONE, 2015, 10, e0116932.	1.1	19
105	The novel H1N1 Influenza A global airline transmission and early warning without travel containments. Science Bulletin, 2010, 55, 3030-3036.	1.7	18
106	Analysis of Spatiotemporal Characteristics of Pandemic SARS Spread in Mainland China. BioMed Research International, 2016, 2016, 1-12.	0.9	18
107	Modeling Heterogeneity in Direct Infectious Disease Transmission in a Compartmental Model. International Journal of Environmental Research and Public Health, 2016, 13, 253.	1.2	18
108	Modeling the Heterogeneity of Dengue Transmission in a City. International Journal of Environmental Research and Public Health, 2018, 15, 1128.	1.2	18

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109	The lag effect of water pollution on the mortality rate for esophageal cancer in a rapidly industrialized region in China. Environmental Science and Pollution Research, 2019, 26, 32852-32858.	2.7	18
110	Spatiotemporally Varying Coefficients (STVC) model: a Bayesian local regression to detect spatial and temporal nonstationarity in variables relationships. Annals of GIS, 2020, 26, 277-291.	1.4	18
111	Visualized Exploratory Spatiotemporal Analysis of Hand-Foot-Mouth Disease in Southern China. PLoS ONE, 2015, 10, e0143411.	1.1	18
112	Encoderâ€“Decoder Full Residual Deep Networks for Robust Regression and Spatiotemporal Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4217-4230.	7.2	17
113	Identifying environmental risk factors for human neural tube defects before and after folic acid supplementation. BMC Public Health, 2009, 9, 391.	1.2	16
114	Spatial data discretization methods for geocomputation. International Journal of Applied Earth Observation and Geoinformation, 2014, 26, 432-440.	1.4	16
115	Niche modeling predictions of the potential distribution of Marmota himalayana, the host animal of plague in Yushu County of Qinghai. BMC Public Health, 2016, 16, 183.	1.2	16
116	A geological analysis for the environmental cause of human birth defects based on GIS. Toxicological and Environmental Chemistry, 2006, 88, 551-559.	0.6	15
117	Evaluating soil evaporation parameterizations at near-instantaneous scales using surface dryness indices. Journal of Hydrology, 2016, 541, 1199-1211.	2.3	15
118	Model-driven development of covariances for spatiotemporal environmental health assessment. Environmental Monitoring and Assessment, 2013, 185, 815-831.	1.3	14
119	Temporal Trends in Geographical Variation in Breast Cancer Mortality in China, 1973â€“2005: An Analysis of Nationwide Surveys on Cause of Death. International Journal of Environmental Research and Public Health, 2016, 13, 963.	1.2	14
120	An integrated regionalization of earthquake, flood, and drought hazards in China. Transactions in GIS, 1997, 2, 25-44.	1.0	13
121	Improving Tsunami Warning Systems with Remote Sensing and Geographical Information System Input. Risk Analysis, 2008, 28, 1653-1668.	1.5	13
122	Spatiotemporal pattern of handâ€“footâ€“mouth disease in China: an analysis of empirical orthogonal functions. Public Health, 2014, 128, 367-375.	1.4	13
123	Trends in geographical disparities for cervical cancer mortality in China from 1973 to 2013: a subnational spatio-temporal study. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2017, 29, 487-495.	0.7	13
124	A B-SHADE based best linear unbiased estimation tool for biased samples. Environmental Modelling and Software, 2013, 48, 93-97.	1.9	12
125	Risk assessment of the step-by-step return-to-work policy in Beijing following the COVID-19 epidemic peak. Stochastic Environmental Research and Risk Assessment, 2021, 35, 481-498.	1.9	12
126	Modeling the spatial relationship between rice cadmium and soil properties at a regional scale considering confounding effects and spatial heterogeneity. Chemosphere, 2022, 287, 132402.	4.2	12

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127	The retrieval of two-dimensional distribution of the earthâ€™s surface aerodynamic roughness using SAR image and TM thermal infrared image. Science in China Series D: Earth Sciences, 2004, 47, 1134-1146.	0.9	11
128	Environmental controls on cultivated soybean phenotypic traits across China. Agriculture, Ecosystems and Environment, 2014, 192, 12-18.	2.5	11
129	Hand, foot, and mouth disease in mainland China before it was listed as category C disease in May, 2008. Lancet Infectious Diseases, The, 2017, 17, 1017-1018.	4.6	11
130	Using Spatial Analysis to Understand the Spatial Heterogeneity of Disability Employment in China. Transactions in GIS, 2017, 21, 647-660.	1.0	11
131	First, second and potential third generation spreads of the COVID-19 epidemic in mainland China: an early exploratory study incorporating location-based service data of mobile devices. International Journal of Infectious Diseases, 2020, 96, 489-495.	1.5	11
132	Using a Bayesian belief network model for early warning of death and severe risk of HFMD in Hunan province, China. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1531-1544.	1.9	10
133	Disease relative risk downscaling model to localize spatial epidemiologic indicators for mapping hand, foot, and mouth disease over China. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1815-1833.	1.9	10
134	A spatiotemporal interpolation method for the assessment of pollutant concentrations in the Yangtze River estuary and adjacent areas from 2004 to 2013. Environmental Pollution, 2019, 252, 501-510.	3.7	10
135	Estimating missing values in Chinaâ€™s official socioeconomic statistics using progressive spatiotemporal Bayesian hierarchical modeling. Scientific Reports, 2018, 8, 10055.	1.6	10
136	Spatial rough set-based geographical detectors for nominal target variables. Information Sciences, 2022, 586, 525-539.	4.0	10
137	Prediction of Neural Tube Defect Using Support Vector Machine. Biomedical and Environmental Sciences, 2010, 23, 167-172.	0.2	9
138	A comparison of methods for spatial relative risk mapping of human neural tube defects. Stochastic Environmental Research and Risk Assessment, 2011, 25, 99-106.	1.9	9
139	A spatial model to predict the incidence of neural tube defects. BMC Public Health, 2012, 12, 951.	1.2	9
140	Using spatial multilevel regression analysis to assess soil type contextual effects on neural tube defects. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1695-1708.	1.9	9
141	Comparison of spatial sampling strategies for ground sampling and validation of MODIS LAI products. International Journal of Remote Sensing, 2014, 35, 7230-7244.	1.3	9
142	Spatial and temporal patterns of nasopharyngeal carcinoma mortality in China, 1973â€“2005. Cancer Letters, 2017, 401, 33-38.	3.2	9
143	Probabilistic assessment of high concentrations of particulate matter (PM 10) in Beijing, China. Atmospheric Pollution Research, 2017, 8, 1143-1150.	1.8	9
144	Optimization of Shanghai marine environment monitoring sites by integrating spatial correlation and stratified heterogeneity. Acta Oceanologica Sinica, 2017, 36, 111-121.	0.4	9

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145	Spatial interpolation of marine environment data using P-MSN. International Journal of Geographical Information Science, 2020, 34, 577-603.	2.2	9
146	Integration of a Kalman filter in the geographically weighted regression for modeling the transmission of hand, foot and mouth disease. BMC Public Health, 2020, 20, 479.	1.2	9
147	Spatial distribution of esophageal cancer mortality in China: a machine learning approach. International Health, 2021, 13, 70-79.	0.8	9
148	Analysis of geographical clustering of birth defects in Heshun county, Shanxi province. International Journal of Environmental Health Research, 2008, 18, 243-252.	1.3	8
149	Detecting nominal variablesâ€™ spatial associations using conditional probabilities of neighboring surface objectsâ€™ categories. Information Sciences, 2016, 329, 701-718.	4.0	8
150	Mapping the Spatialâ€“Temporal Distribution and Migration Patterns of Men Who Have Sex with Men in Mainland China: A Web-Based Study. International Journal of Environmental Research and Public Health, 2020, 17, 1469.	1.2	8
151	Rice supply flows and their determinants in China. Resources, Conservation and Recycling, 2021, 174, 105812.	5.3	8
152	A knowledgeâ€based similarity classifier to stratify sample units to improve the estimation precision. International Journal of Remote Sensing, 2009, 30, 1207-1234.	1.3	7
153	Assessing the quality of training data in the supervised classification of remotely sensed imagery: a correlation analysis. Journal of Spatial Science, 2012, 57, 135-152.	1.0	7
154	Spatial pattern of severe acute respiratory syndrome in-out flow in 2003 in Mainland China. BMC Infectious Diseases, 2014, 14, 721.	1.3	7
155	Modelling input-output flows of severe acute respiratory syndrome in mainland China. BMC Public Health, 2016, 16, 191.	1.2	7
156	The potential benefits of location-specific biometeorological indexes. International Journal of Biometeorology, 2017, 61, 1695-1698.	1.3	7
157	Regional differences and spatial patterns of health status of the member states in the â€œBelt and Roadâ€• Initiative. PLoS ONE, 2019, 14, e0211264.	1.1	7
158	Modeling the complete spatiotemporal spread of the COVID-19 epidemic in mainland China. International Journal of Infectious Diseases, 2021, 110, 247-257.	1.5	7
159	Optimal decision-making model of spatial sampling for survey of Chinaâ€™s land with remotely sensed data. Science in China Series D: Earth Sciences, 2005, 48, 752-764.	0.9	6
160	A spatial scan statistic for nonisotropic twoâ€level risk cluster. Statistics in Medicine, 2012, 31, 177-187.	0.8	6
161	Assessment of pollutant mean concentrations in the Yangtze estuary based on MSN theory. Marine Pollution Bulletin, 2016, 113, 216-223.	2.3	6
162	Application of sandwich spatial estimation method in cancer mapping: A case study for breast cancer mortality in the Chinese mainland, 2005. Statistical Methods in Medical Research, 2019, 28, 3609-3626.	0.7	6

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163	Spatiotemporal Analysis of Ambient Air Pollution Exposure and Respiratory Infections Cases in Beijing. Central European Journal of Public Health, 2015, 23, 73-76.	0.4	6
164	Wavelet-based filter for SAR speckle reduction and the comparative evaluation on its performance. , 2003, 4886, 279.		5
165	Estimating spatial attribute means in a GIS environment. Science China Earth Sciences, 2010, 53, 181-188.	2.3	5
166	Mapping under-five mortality in the Wenchuan earthquake using hierarchical Bayesian modeling. International Journal of Environmental Health Research, 2011, 21, 364-371.	1.3	5
167	Estimation of Areal Mean Rainfall in Remote Areas Using B-SHADE Model. Advances in Meteorology, 2016, 2016, 1-13.	0.6	5
168	Sandwich mapping of rodent density in Jilin Province, China. Journal of Chinese Geography, 2018, 28, 445-458.	1.5	5
169	Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. International Journal of Geographical Information Science, 2021, 35, 466-489.	2.2	5
170	A marginal revenue equilibrium model for spatial water allocation. Science in China Series D: Earth Sciences, 2002, 45, 201.	0.9	4
171	Modelling for registration of remotely sensed imagery when reference control points contain error. Science in China Series D: Earth Sciences, 2006, 49, 739-746.	0.9	4
172	Spatial and temporal characteristics of temperature effects on cardiovascular disease in Southern China using the Empirical Mode Decomposition method. Scientific Reports, 2018, 8, 14775.	1.6	4
173	A Bayesian Spaceâ€“Time Hierarchical Model for Remotely Sensed Lattice Data Based on Multiscale Homogeneous Statistical Units. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2151-2161.	2.3	4
174	A Simple Model for Assessing Output Uncertainty in Stochastic Simulation Systems. , 2007, , 337-347.		4
175	Causal inference in spatial statistics. Spatial Statistics, 2022, 50, 100621.	0.9	4
176	Unbalanced Risk of Pulmonary Tuberculosis in China at the Subnational Scale: Spatiotemporal Analysis. JMIR Public Health and Surveillance, 2022, 8, e36242.	1.2	4
177	Lagged Effects of Exposure to Air Pollutants on the Risk of Pulmonary Tuberculosis in a Highly Polluted Region. International Journal of Environmental Research and Public Health, 2022, 19, 5752.	1.2	4
178	Application of GIS-based spatial filtering method for neural tube defects disease mapping. Wuhan University Journal of Natural Sciences, 2007, 12, 1125-1130.	0.2	3
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