Jinfeng Wang

List of Publications by Year
in descending order

203 papers	9,160 citations	66343 42 h-index	49909 87 g-index
210 all docs	210 docs citations	210 times ranked	7088 citing authors

#	Article	IF	Citations
1	Modeling the spatial relationship between rice cadmium and soil properties at a regional scale considering confounding effects and spatial heterogeneity. Chemosphere, 2022, 287, 132402.	8.2	12
2	Spatial rough set-based geographical detectors for nominal target variables. Information Sciences, 2022, 586, 525-539.	6.9	10
3	Causal inference in spatial statistics. Spatial Statistics, 2022, 50, 100621.	1.9	4
4	Surrounding road density of child care centers in Australia. Scientific Data, 2022, 9, 140.	5.3	0
5	Assessing work resumption in hospitals during the COVID‐19 epidemic in China using multiscale geographically weighted regression. Transactions in GIS, 2022, 26, 2023-2040.	2.3	2
6	A two-point machine learning method for the spatial prediction of soil pollution. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102742.	2.8	3
7	Unbalanced Risk of Pulmonary Tuberculosis in China at the Subnational Scale: Spatiotemporal Analysis. JMIR Public Health and Surveillance, 2022, 8, e36242.	2.6	4
8	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.	2.6	4
9	Encoder–Decoder Full Residual Deep Networks for Robust Regression and Spatiotemporal Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4217-4230.	11.3	17
10	Spatial distribution of esophageal cancer mortality in China: a machine learning approach. International Health, 2021, 13, 70-79.	2.0	9
11	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.	4.8	5
12	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.	4.0	12
13	Projecting heat-related excess mortality under climate change scenarios in China. Nature Communications, 2021, 12, 1039.	12.8	102
14	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.	11.4	45
15	Spatiotemporal heterogeneity and its determinants of COVID-19 transmission in typical labor export provinces of China. BMC Infectious Diseases, 2021, 21, 242.	2.9	26
16	Global spatiotemporal transmission patterns of human enterovirus 71 from 1963 to 2019. Virus Evolution, 2021, 7, .	4.9	0
17	Modeling the complete spatiotemporal spread of the COVID-19 epidemic in mainland China. International Journal of Infectious Diseases, 2021, 110, 247-257.	3.3	7
18	Rice supply flows and their determinants in China. Resources, Conservation and Recycling, 2021, 174, 105812.	10.8	8

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19	Spatial interpolation of marine environment data using P-MSN. International Journal of Geographical Information Science, 2020, 34, 577-603.	4.8	9
20	Spatiotemporal assessment of marine environmental monitoring programme based on DIN concentration in the Yangtze River estuary and its adjacent sea. Science of the Total Environment, 2020, 707, 135527.	8.0	1
21	The spatial statistic trinity: A generic framework for spatial sampling and inference. Environmental Modelling and Software, 2020, 134, 104835.	4.5	26
22	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.	3.1	18
23	Theoretical and empirical comparative evaluations on measures of map association. Journal of Geographical Systems, 2020, 22, 361-390.	3.1	1
24	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.	3.3	11
25	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.	5.9	321
26	Modelling and prediction of global non-communicable diseases. BMC Public Health, 2020, 20, 822.	2.9	66
27	Incorporating spatial association into statistical classifiers: local pattern-based prior tuning. International Journal of Geographical Information Science, 2020, 34, 2077-2114.	4.8	3
28	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.	2.6	8
29	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.	2.9	9
30	Spatiotemporal Analysis of Men Who Have Sex With Men in Mainland China: Social App Capture-Recapture Method. JMIR MHealth and UHealth, 2020, 8, e14800.	3.7	23
31	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.	8.0	36
32	Air pollution exposure associates with increased risk of neonatal jaundice. Nature Communications, 2019, 10, 3741.	12.8	48
33	Mapping the increased minimum mortality temperatures in the context of global climate change. Nature Communications, 2019, 10, 4640.	12.8	105
34	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.	5.3	18
35	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.	4.0	10
36	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.	7.5	10

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37	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.	2.6	19
38	A new method to estimate the temperature-CVD mortality relationship. Environmental Science and Pollution Research, 2019, 26, 8895-8901.	5.3	1
39	Regional differences and spatial patterns of health status of the member states in the â€œBelt and Roadâ€• Initiative. PLoS ONE, 2019, 14, e0211264.	2.5	7
40	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.	1.5	6
41	A spatial heterogeneity-based rough set extension for spatial data. International Journal of Geographical Information Science, 2019, 33, 240-268.	4.8	3
42	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.	8.0	50
43	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.	4.0	10
44	Spatiotemporal evolution of the remotely sensed global continental PM2.5 concentration from 2000-2014 based on Bayesian statistics. Environmental Pollution, 2018, 238, 471-481.	7.5	25
45	Sandwich mapping of rodent density in Jilin Province, China. Journal of Chinese Geography, 2018, 28, 445-458.	3.9	5
46	A new integrated and homogenized global monthly land surface air temperature dataset for the period since 1900. Climate Dynamics, 2018, 50, 2513-2536.	3.8	56
47	Monitoring hand, foot and mouth disease by combining search engine query data and meteorological factors. Science of the Total Environment, 2018, 612, 1293-1299.	8.0	30
48	Global land surface air temperature dynamics since 1880. International Journal of Climatology, 2018, 38, e466.	3.5	25
49	A New Method for Temperature Spatial Interpolation Based on Sparse Historical Stations. Journal of Climate, 2018, 31, 1757-1770.	3.2	28
50	Optimization of Shanghai Marine Environmental Monitoring Sites in the Identification of Boundaries of Different Water Quality Grades. Journal of Ocean University of China, 2018, 17, 846-854.	1.2	2
51	Spatial and temporal characteristics of temperature effects on cardiovascular disease in Southern China using the Empirical Mode Decomposition method. Scientific Reports, 2018, 8, 14775.	3.3	4
52	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.	11.0	32
53	A better indicator to measure the effects of meteorological factors on cardiovascular mortality: heat index. Environmental Science and Pollution Research, 2018, 25, 22842-22849.	5.3	20
54	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.	2.6	25

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55	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.	2.6	19
56	Modeling the Heterogeneity of Dengue Transmission in a City. International Journal of Environmental Research and Public Health, 2018, 15, 1128.	2.6	18
57	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.	2.9	28
58	A Bayesian Space–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.	4.9	4
59	Estimating missing values in China's official socioeconomic statistics using progressive spatiotemporal Bayesian hierarchical modeling. Scientific Reports, 2018, 8, 10055.	3.3	10
60	A new method for assessing the risk of infectious disease outbreak. Scientific Reports, 2017, 7, 40084.	3.3	23
61	The association between consecutive days' heat wave and cardiovascular disease mortality in Beijing, China. BMC Public Health, 2017, 17, 223.	2.9	153
62	Spatial and temporal patterns of nasopharyngeal carcinoma mortality in China, 1973–2005. Cancer Letters, 2017, 401, 33-38.	7.2	9
63	Geographically weighted regression–based determinants of malaria incidences in northern China. Transactions in GIS, 2017, 21, 934-953.	2.3	27
64	Probabilistic assessment of high concentrations of particulate matter (PM 10) in Beijing, China. Atmospheric Pollution Research, 2017, 8, 1143-1150.	3.8	9
65	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.	1.9	36
66	The potential benefits of location-specific biometeorological indexes. International Journal of Biometeorology, 2017, 61, 1695-1698.	3.0	7
67	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.	9.1	11
68	Prolonged continuous exposure to high fine particulate matter associated with cardiovascular and respiratory disease mortality in Beijing, China. Atmospheric Environment, 2017, 168, 1-7.	4.1	27
69	Optimization of Shanghai marine environment monitoring sites by integrating spatial correlation and stratified heterogeneity. Acta Oceanologica Sinica, 2017, 36, 111-121.	1.0	9
70	Spatiotemporal epidemic characteristics and risk factor analysis of malaria in Yunnan Province, China. BMC Public Health, 2017, 17, 66.	2.9	25
71	Uncertainty of Spatial Information and Spatial Analysis. Springer Geography, 2017, , 511-522.	0.4	1
72	Using Spatial Analysis to Understand the Spatial Heterogeneity of Disability Employment in China. Transactions in GIS, 2017, 21, 647-660.	2.3	11

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73	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.	3.3	50
74	An Ensemble Spatiotemporal Model for Predicting PM2.5 Concentrations. International Journal of Environmental Research and Public Health, 2017, 14, 549.	2.6	26
75	Spatial-temporal detection of risk factors for bacillary dysentery in Beijing, Tianjin and Hebei, China. BMC Public Health, 2017, 17, 743.	2.9	35
76	Biased Sentinel Hospital Area Disease Estimator. , 2017, , 245-261.		0
77	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.	2.2	13
78	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.	2.7	20
79	Analysis of Spatiotemporal Characteristics of Pandemic SARS Spread in Mainland China. BioMed Research International, 2016, 2016, 1-12.	1.9	18
80	Estimation of Areal Mean Rainfall in Remote Areas Using B-SHADE Model. Advances in Meteorology, 2016, 2016, 1-13.	1.6	5
81	Modeling Heterogeneity in Direct Infectious Disease Transmission in a Compartmental Model. International Journal of Environmental Research and Public Health, 2016, 13, 253.	2.6	18
82	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.	2.6	14
83	Towards Identifying and Reducing the Bias of Disease Information Extracted from Search Engine Data. PLoS Computational Biology, 2016, 12, e1004876.	3.2	19
84	Temporal and Spatial Analysis of Neural Tube Defects and Detection of Geographical Factors in Shanxi Province, China. PLoS ONE, 2016, 11, e0150332.	2.5	33
85	Spatial association between dissection density and environmental factors over the entire conterminous United States. Geophysical Research Letters, 2016, 43, 692-700.	4.0	126
86	Spatial distribution estimation of malaria in northern China and its scenarios in 2020, 2030, 2040 and 2050. Malaria Journal, 2016, 15, 345.	2.3	29
87	A measure of spatial stratified heterogeneity. Ecological Indicators, 2016, 67, 250-256.	6.3	1,042
88	Assessment of pollutant mean concentrations in the Yangtze estuary based on MSN theory. Marine Pollution Bulletin, 2016, 113, 216-223.	5.0	6
89	Estimation of daily PM 2.5 concentration and its relationship with meteorological conditions in Beijing. Journal of Environmental Sciences, 2016, 48, 161-168.	6.1	64
90	Evaluating soil evaporation parameterizations at near-instantaneous scales using surface dryness indices. Journal of Hydrology, 2016, 541, 1199-1211.	5.4	15

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91	Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. Scientific Reports, 2016, 6, 20604.	3.3	76
92	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.	2.9	16
93	Modelling input-output flows of severe acute respiratory syndrome in mainland China. BMC Public Health, 2016, 16, 191.	2.9	7
94	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.	4.8	120
95	Detecting nominal variablesâ€™ spatial associations using conditional probabilities of neighboring surface objectsâ€™ categories. Information Sciences, 2016, 329, 701-718.	6.9	8
96	Estimation of precipitation in remote areas using B-SHADE model. , 2015, , .		0
97	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.	2.6	21
98	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. Atmosphere, 2015, 6, 1307-1326.	2.3	21
99	Accessibility of Catering Service Venues and Adolescent Drinking in Beijing, China. International Journal of Environmental Research and Public Health, 2015, 12, 7208-7219.	2.6	1
100	Evaluation of Sampling Methods for Validation of Remotely Sensed Fractional Vegetation Cover. Remote Sensing, 2015, 7, 16164-16182.	4.0	40
101	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.	2.9	25
102	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.	4.8	22
103	Sandwich mapping of diseases with a small sample in a stratified heterogeneous domain. Annals of GIS, 2015, 21, 169-173.	3.1	1
104	Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. Parasites and Vectors, 2015, 8, 146.	2.5	25
105	Using robust Bayesian network to estimate the residuals of fluoroquinolone antibiotic in soil. Environmental Science and Pollution Research, 2015, 22, 17540-17549.	5.3	3
106	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.	2.5	19
107	Visualized Exploratory Spatiotemporal Analysis of Hand-Foot-Mouth Disease in Southern China. PLoS ONE, 2015, 10, e0143411.	2.5	18
108	Spatiotemporal Analysis of Ambient Air Pollution Exposure and Respiratory Infections Cases in Beijing. Central European Journal of Public Health, 2015, 23, 73-76.	1.1	6

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109	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.	2.6	96
110	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.	2.6	60
111	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.	3.8	37
112	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.	3.3	58
113	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.	2.9	32
114	Spatial pattern of severe acute respiratory syndrome in-out flow in 2003 in Mainland China. BMC Infectious Diseases, 2014, 14, 721.	2.9	7
115	Environmental controls on cultivated soybean phenotypic traits across China. Agriculture, Ecosystems and Environment, 2014, 192, 12-18.	5.3	11
116	Spatiotemporal pattern of handâ€"footâ€"mouth disease in China: an analysis of empirical orthogonal functions. Public Health, 2014, 128, 367-375.	2.9	13
117	A method for extracting rules from spatial data based on rough fuzzy sets. Knowledge-Based Systems, 2014, 57, 28-40.	7.1	43
118	Spatial data discretization methods for geocomputation. International Journal of Applied Earth Observation and Geoinformation, 2014, 26, 432-440.	2.8	16
119	Comparison of spatial sampling strategies for ground sampling and validation of MODIS LAI products. International Journal of Remote Sensing, 2014, 35, 7230-7244.	2.9	9
120	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.	8.0	110
121	A Spatial and Temporal Analysis of Japanese Encephalitis in Mainland China, 1963â€"1975: A Period without Japanese Encephalitis Vaccination. PLoS ONE, 2014, 9, e99183.	2.5	19
122	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.	4.0	9
123	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.	8.0	53
124	A B-SHADE based best linear unbiased estimation tool for biased samples. Environmental Modelling and Software, 2013, 48, 93-97.	4.5	12
125	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.	8.0	91
126	Design-based spatial sampling: Theory and implementation. Environmental Modelling and Software, 2013, 40, 280-288.	4.5	50

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127	Model-driven development of covariances for spatiotemporal environmental health assessment. Environmental Monitoring and Assessment, 2013, 185, 815-831.	2.7	14
128	Spatiotemporal Transmission and Determinants of Typhoid and Paratyphoid Fever in Hongta District, Yunnan Province, China. PLoS Neglected Tropical Diseases, 2013, 7, e2112.	3.0	25
129	Sandwich Estimation for Multi-Unit Reporting on a Stratified Heterogeneous Surface. Environment and Planning A, 2013, 45, 2515-2534.	3.6	39
130	Optimal discretization for geographical detectors-based risk assessment. GIScience and Remote Sensing, 2013, 50, 78-92.	5.9	157
131	Interpolation of Missing Temperature Data at Meteorological Stations Using P-BSHADE*. Journal of Climate, 2013, 26, 7452-7463.	3.2	39
132	Estimation of Citywide Air Pollution in Beijing. PLoS ONE, 2013, 8, e53400.	2.5	84
133	Spatiotemporal Infectious Disease Modeling: A BME-SIR Approach. PLoS ONE, 2013, 8, e72168.	2.5	33
134	Population Exposure to PM2.5 in the Urban Area of Beijing. PLoS ONE, 2013, 8, e63486.	2.5	72
135	A review of spatial sampling. Spatial Statistics, 2012, 2, 1-14.	1.9	257
136	Exploring geological and socio-demographic factors associated with under-five mortality in the Wenchuan earthquake using neural network model. International Journal of Environmental Health Research, 2012, 22, 184-196.	2.7	2
137	Spatiotemporal analysis of indigenous and imported dengue fever cases in Guangdong province, China. BMC Infectious Diseases, 2012, 12, 132.	2.9	59
138	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.	1.5	7
139	A spatial model to predict the incidence of neural tube defects. BMC Public Health, 2012, 12, 951.	2.9	9
140	Determinants of the Incidence of Hand, Foot and Mouth Disease in China Using Geographically Weighted Regression Models. PLoS ONE, 2012, 7, e38978.	2.5	100
141	A spatial scan statistic for nonisotropic two€level risk cluster. Statistics in Medicine, 2012, 31, 177-187.	1.6	6
142	Cities evolution tree and applications to predicting urban growth. Population and Environment, 2012, 33, 186-201.	3.0	38
143	Adaptive modeling of the human-environment relationship applied to estimation of the population carrying capacity in an earthquake zone. Population and Environment, 2012, 33, 233-242.	3.0	1
144	A Bayesian Method to Mine Spatial Data Sets to Evaluate the Vulnerability of Human Beings to Catastrophic Risk. Risk Analysis, 2012, 32, 1072-1092.	2.7	20

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145	Environmental health risk detection with GeogDetector. Environmental Modelling and Software, 2012, 33, 114-115.	4.5	350
146	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.	8.0	51
147	Sampling Survey of Heavy Metal in Soil Using SSSI. Lecture Notes in Geoinformation and Cartography, 2012, , 15-26.	1.0	0
148	PSO/ACO algorithm-based risk assessment of human neural tube defects in Heshun County, China. Biomedical and Environmental Sciences, 2012, 25, 569-76.	0.2	1
149	A spatial scan statistic for multiple clusters. Mathematical Biosciences, 2011, 233, 135-142.	1.9	27
150	Geographical Detector-Based Risk Assessment of the Under-Five Mortality in the 2008 Wenchuan Earthquake, China. PLoS ONE, 2011, 6, e21427.	2.5	98
151	Area Disease Estimation Based on Sentinel Hospital Records. PLoS ONE, 2011, 6, e23428.	2.5	36
152	Multiple mechanisms underlie rapid expansion of an invasive alien plant. New Phytologist, 2011, 191, 828-839.	7.3	64
153	A comparison of methods for spatial relative risk mapping of human neural tube defects. Stochastic Environmental Research and Risk Assessment, 2011, 25, 99-106.	4.0	9
154	A spatial sampling optimization package using MSN theory. Environmental Modelling and Software, 2011, 26, 546-548.	4.5	37
155	Mapping under-five mortality in the Wenchuan earthquake using hierarchical Bayesian modeling. International Journal of Environmental Health Research, 2011, 21, 364-371.	2.7	5
156	Distribution of *Aedes albopictus* (Diptera: Culicidae) in Northwestern China. Vector-Borne and Zoonotic Diseases, 2011, 11, 1181-1186.	1.5	63
157	Spatial Data Analysis. SpringerBriefs in Regional Science, 2011, , .	0.2	141
158	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
159	Risk assessment of human neural tube defects using a Bayesian belief network. Stochastic Environmental Research and Risk Assessment, 2010, 24, 93-100.	4.0	32
160	Estimating spatial attribute means in a GIS environment. Science China Earth Sciences, 2010, 53, 181-188.	5.2	5
161	Spatio-temporal evolution of Beijing 2003 SARS epidemic. Science China Earth Sciences, 2010, 53, 1017-1028.	5.2	23
162	The novel H1N1 Influenza A global airline transmission and early warning without travel containments. Science Bulletin, 2010, 55, 3030-3036.	1.7	18

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163	Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. BMC Public Health, 2010, 10, 52.	2.9	33
164	Assessment of Catastrophic Risk Using Bayesian Network Constructed from Domain Knowledge and Spatial Data. Risk Analysis, 2010, 30, 1157-1175.	2.7	90
165	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.	4.8	33
166	Spatial analysis of neural tube defects in a rural coal mining area. International Journal of Environmental Health Research, 2010, 20, 439-450.	2.7	38
167	Spatial analysis on the layout of groundwater quality monitoring network. , 2010, , .		1
168	Integration of GP and GA for mapping population distribution. International Journal of Geographical Information Science, 2010, 24, 47-67.	4.8	32
169	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.	4.8	120
170	Prediction of Neural Tube Defect Using Support Vector Machine. Biomedical and Environmental Sciences, 2010, 23, 167-172.	0.2	9
171	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.	4.8	1,510
172	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.	4.8	30
173	A knowledgeâ€based similarity classifier to stratify sample units to improve the estimation precision. International Journal of Remote Sensing, 2009, 30, 1207-1234.	2.9	7
174	Sampling and Kriging Spatial Means: Efficiency and Conditions. Sensors, 2009, 9, 5224-5240.	3.8	24
175	Super-Resolution Reconstruction of Remote Sensing Images Using Multifractal Analysis. Sensors, 2009, 9, 8669-8683.	3.8	32
176	Identifying environmental risk factors for human neural tube defects before and after folic acid supplementation. BMC Public Health, 2009, 9, 391.	2.9	16
177	Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 4167-4174.	6.3	76
178	Optimal Water Resource Allocation in Arid and Semi-Arid Areas. Water Resources Management, 2008, 22, 239-258.	3.9	37
179	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.	4.0	45
180	Improving Tsunami Warning Systems with Remote Sensing and Geographical Information System Input. Risk Analysis, 2008, 28, 1653-1668.	2.7	13

#	ARTICLE	IF	CITATIONS
181	Analysis of geographical clustering of birth defects in Heshun county, Shanxi province. International Journal of Environmental Health Research, 2008, 18, 243-252.	2.7	8
182	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
183	A traffic cellular automata model based on road network grids and its spatial and temporal resolution's influences on simulation. Simulation Modelling Practice and Theory, 2007, 15, 864-878.	3.8	19
184	Analysis of the geographic distribution of HFRS in Liaoning Province between 2000 and 2005. BMC Public Health, 2007, 7, 207.	2.9	35
185	Bayesian mapping of neural tube defects prevalence in Heshun County, Shanxi Province, China during 1998¼2001. Journal of Zhejiang University: Science A, 2007, 8, 921-925.	2.4	1
186	Application of GIS-based spatial filtering method for neural tube defects disease mapping. Wuhan University Journal of Natural Sciences, 2007, 12, 1125-1130.	0.4	3
187	A Simple Model for Assessing Output Uncertainty in Stochastic Simulation Systems. , 2007, , 337-347.		4
188	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
189	A geological analysis for the environmental cause of human birth defects based on GIS. Toxicological and Environmental Chemistry, 2006, 88, 551-559.	1.2	15
190	Local Neural Networks of Space-Time Predicting Modeling for Lattice Data in GIS. Lecture Notes in Computer Science, 2006, , 1192-1201.	1.3	1
191	Spatial dynamics of an epidemic of severe acute respiratory syndrome in an urban area. Bulletin of the World Health Organization, 2006, 84, 965-968.	3.3	55
192	Optimal decision-making model of spatial sampling for survey of China's land with remotely sensed data. Science in China Series D: Earth Sciences, 2005, 48, 752-764.	0.9	6
193	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
194	Air temperature retrieval from remote sensing data based on thermodynamics. Theoretical and Applied Climatology, 2005, 80, 37-48.	2.8	139
195	Typhoon insurance pricing with spatial decision support tools. International Journal of Geographical Information Science, 2005, 19, 363-384.	4.8	23
196	Understanding the spatial diffusion process of severe acute respiratory syndrome in Beijing. Public Health, 2005, 119, 1080-1087.	2.9	60
197	Exploratory spatial data analysis for the identification of risk factors to birth defects. BMC Public Health, 2004, 4, 23.	2.9	60
198	The retrieval of two-dimensional distribution of the earth'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

#	Article	IF	Citations
199	Wavelet-based filter for SAR speckle reduction and the comparative evaluation on its performance. , 2003, 4886, 279.		5
200	A marginal revenue equilibrium model for spatial water allocation. Science in China Series D: Earth Sciences, 2002, 45, 201.	0.9	4
201	An integrated regionalization of earthquake, flood, and drought hazards in China. Transactions in GIS, 1997, 2, 25-44.	2.3	13
202	The multiple classifiers combination method for improving the accuracy of remotely sensed data classification. , 0, , .		1
203	Exploring the scale effect in land cover mapping from remotely sensed data: the statistical separability-based method. , 0, , .		1