

Jinfeng Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

196
papers

5,782
citations

38
h-index

69
g-index

210
ext. papers

7,384
ext. citations

4.7
avg, IF

6.17
L-index

#	Paper	IF	Citations
196	Causal inference in spatial statistics. <i>Spatial Statistics</i> , 2022 , 100621	2.2	1
195	Spatial rough set-based geographical detectors for nominal target variables. <i>Information Sciences</i> , 2022 , 586, 525-539	7.7	0
194	Modeling the spatial relationship between rice cadmium and soil properties at a regional scale considering confounding effects and spatial heterogeneity. <i>Chemosphere</i> , 2022 , 287, 132402	8.4	2
193	Surrounding road density of child care centers in Australia.. <i>Scientific Data</i> , 2022 , 9, 140	8.2	
192	A two-point machine learning method for the spatial prediction of soil pollution. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022 , 108, 102742	7.3	0
191	Encoder-Decoder Full Residual Deep Networks for Robust Regression and Spatiotemporal Estimation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 4217-4230	10.3	8
190	Seasonal association between viral causes of hospitalised acute lower respiratory infections and meteorological factors in China: a retrospective study. <i>Lancet Planetary Health, The</i> , 2021 , 5, e154-e163	9.8	15
189	Spatiotemporal heterogeneity and its determinants of COVID-19 transmission in typical labor export provinces of China. <i>BMC Infectious Diseases</i> , 2021 , 21, 242	4	13
188	Spatial distribution of esophageal cancer mortality in China: a machine learning approach. <i>International Health</i> , 2021 , 13, 70-79	2.4	4
187	Space-time disease mapping by combining Bayesian maximum entropy and Kalman filter: the BME-Kalman approach. <i>International Journal of Geographical Information Science</i> , 2021 , 35, 466-489	4.1	0
186	Projecting heat-related excess mortality under climate change scenarios in China. <i>Nature Communications</i> , 2021 , 12, 1039	17.4	21
185	Modeling the complete spatiotemporal spread of the COVID-19 epidemic in mainland China. <i>International Journal of Infectious Diseases</i> , 2021 , 110, 247-257	10.5	2
184	Rice supply flows and their determinants in China. <i>Resources, Conservation and Recycling</i> , 2021 , 174, 105812		1
183	Theoretical and empirical comparative evaluations on measures of map association. <i>Journal of Geographical Systems</i> , 2020 , 22, 361-390	1.8	0
182	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. <i>International Journal of Infectious Diseases</i> , 2020 , 96, 489-495	10.5	10
181	An optimal parameters-based geographical detector model enhances geographic characteristics of explanatory variables for spatial heterogeneity analysis: cases with different types of spatial data. <i>GIScience and Remote Sensing</i> , 2020 , 57, 593-610	4.8	68
180	Modelling and prediction of global non-communicable diseases. <i>BMC Public Health</i> , 2020 , 20, 822	4.1	24

179	Incorporating spatial association into statistical classifiers: local pattern-based prior tuning. <i>International Journal of Geographical Information Science</i> , 2020 , 34, 2077-2114	4.1	3
178	Mapping the Spatial-Temporal Distribution and Migration Patterns of Men Who Have Sex with Men in Mainland China: A Web-Based Study. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
177	Integration of a Kalman filter in the geographically weighted regression for modeling the transmission of hand, foot and mouth disease. <i>BMC Public Health</i> , 2020 , 20, 479	4.1	5
176	Spatiotemporal Analysis of Men Who Have Sex With Men in Mainland China: Social App Capture-Recapture Method. <i>JMIR MHealth and UHealth</i> , 2020 , 8, e14800	5.5	6
175	Spatial interpolation of marine environment data using P-MSN. <i>International Journal of Geographical Information Science</i> , 2020 , 34, 577-603	4.1	7
174	Spatiotemporal assessment of marine environmental monitoring programme based on DIN concentration in the Yangtze River estuary and its adjacent sea. <i>Science of the Total Environment</i> , 2020 , 707, 135527	10.2	1
173	The spatial statistic trinity: A generic framework for spatial sampling and inference. <i>Environmental Modelling and Software</i> , 2020 , 134, 104835	5.2	11
172	Spatiotemporally Varying Coefficients (STVC) model: a Bayesian local regression to detect spatial and temporal nonstationarity in variables relationships. <i>Annals of GIS</i> , 2020 , 26, 277-291	4.1	12
171	Risk assessment of the step-by-step return-to-work policy in Beijing following the COVID-19 epidemic peak. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 35, 1-18	3.5	7
170	The lag effect of water pollution on the mortality rate for esophageal cancer in a rapidly industrialized region in China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 32852-32858	5.1	8
169	Disease relative risk downscaling model to localize spatial epidemiologic indicators for mapping hand, foot, and mouth disease over China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 1815-1833	3.5	6
168	A spatiotemporal interpolation method for the assessment of pollutant concentrations in the Yangtze River estuary and adjacent areas from 2004 to 2013. <i>Environmental Pollution</i> , 2019 , 252, 501-510	8.3	4
167	Modification Effects of Population Expansion, Ageing, and Adaptation on Heat-Related Mortality Risks Under Different Climate Change Scenarios in Guangzhou, China. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
166	A new method to estimate the temperature-CVD mortality relationship. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 8895-8901	5.1	0
165	Regional differences and spatial patterns of health status of the member states in the "Belt and Road" Initiative. <i>PLoS ONE</i> , 2019 , 14, e0211264	3.7	3
164	Exploring spatiotemporal nonstationary effects of climate factors on hand, foot, and mouth disease using Bayesian Spatiotemporally Varying Coefficients (STVC) model in Sichuan, China. <i>Science of the Total Environment</i> , 2019 , 648, 550-560	10.2	29
163	Air pollution exposure associates with increased risk of neonatal jaundice. <i>Nature Communications</i> , 2019 , 10, 3741	17.4	20
162	Mapping the increased minimum mortality temperatures in the context of global climate change. <i>Nature Communications</i> , 2019 , 10, 4640	17.4	50

161	Application of sandwich spatial estimation method in cancer mapping: A case study for breast cancer mortality in the Chinese mainland, 2005. <i>Statistical Methods in Medical Research</i> , 2019 , 28, 3609-3626	2.3	2
160	A spatial heterogeneity-based rough set extension for spatial data. <i>International Journal of Geographical Information Science</i> , 2019 , 33, 240-268	4.1	2
159	Maternal exposure to ambient PM during pregnancy increases the risk of congenital heart defects: Evidence from machine learning models. <i>Science of the Total Environment</i> , 2018 , 630, 1-10	10.2	33
158	Using a Bayesian belief network model for early warning of death and severe risk of HFMD in Hunan province, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1531-1544	3.5	5
157	Spatiotemporal evolution of the remotely sensed global continental PM concentration from 2000-2014 based on Bayesian statistics. <i>Environmental Pollution</i> , 2018 , 238, 471-481	9.3	19
156	Sandwich mapping of rodent density in Jilin Province, China. <i>Journal of Chinese Geography</i> , 2018 , 28, 445-458	3.7	4
155	A new integrated and homogenized global monthly land surface air temperature dataset for the period since 1900. <i>Climate Dynamics</i> , 2018 , 50, 2513-2536	4.2	35
154	Monitoring hand, foot and mouth disease by combining search engine query data and meteorological factors. <i>Science of the Total Environment</i> , 2018 , 612, 1293-1299	10.2	26
153	Risk Assessment and Mapping of Hand, Foot, and Mouth Disease at the County Level in Mainland China Using Spatiotemporal Zero-Inflated Bayesian Hierarchical Models. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	17
152	Modeling the Heterogeneity of Dengue Transmission in a City. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	9
151	A spatiotemporal mixed model to assess the influence of environmental and socioeconomic factors on the incidence of hand, foot and mouth disease. <i>BMC Public Health</i> , 2018 , 18, 274	4.1	22
150	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018 , 11, 2151-2161	4.7	4
149	Estimating missing values in China's official socioeconomic statistics using progressive spatiotemporal Bayesian hierarchical modeling. <i>Scientific Reports</i> , 2018 , 8, 10055	4.9	7
148	Global land surface air temperature dynamics since 1880. <i>International Journal of Climatology</i> , 2018 , 38, e466-e474	3.5	15
147	A New Method for Temperature Spatial Interpolation Based on Sparse Historical Stations. <i>Journal of Climate</i> , 2018 , 31, 1757-1770	4.4	14
146	Optimization of Shanghai Marine Environmental Monitoring Sites in the Identification of Boundaries of Different Water Quality Grades. <i>Journal of Ocean University of China</i> , 2018 , 17, 846-854	1	2
145	Spatial and temporal characteristics of temperature effects on cardiovascular disease in Southern China using the Empirical Mode Decomposition method. <i>Scientific Reports</i> , 2018 , 8, 14775	4.9	2
144	Estimation of PM2.5 concentrations at a high spatiotemporal resolution using constrained mixed-effect bagging models with MAIAC aerosol optical depth. <i>Remote Sensing of Environment</i> , 2018 , 217, 573-586	13.2	22

143	A better indicator to measure the effects of meteorological factors on cardiovascular mortality: heat index. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 22842-22849	5.1	8
142	A new method for assessing the risk of infectious disease outbreak. <i>Scientific Reports</i> , 2017 , 7, 40084	4.9	17
141	The association between consecutive days' heat wave and cardiovascular disease mortality in Beijing, China. <i>BMC Public Health</i> , 2017 , 17, 223	4.1	72
140	Spatial and temporal patterns of nasopharyngeal carcinoma mortality in China, 1973-2005. <i>Cancer Letters</i> , 2017 , 401, 33-38	9.9	6
139	Geographically weighted regression-based determinants of malaria incidences in northern China. <i>Transactions in GIS</i> , 2017 , 21, 934-953	2.1	22
138	Probabilistic assessment of high concentrations of particulate matter (PM10) in Beijing, China. <i>Atmospheric Pollution Research</i> , 2017 , 8, 1143-1150	4.5	7
137	Understanding the inconsistent relationships between socioeconomic factors and poverty incidence across contiguous poverty-stricken regions in China: Multilevel modelling. <i>Spatial Statistics</i> , 2017 , 21, 406-420	2.2	25
136	The potential benefits of location-specific biometeorological indexes. <i>International Journal of Biometeorology</i> , 2017 , 61, 1695-1698	3.7	3
135	Hand, foot, and mouth disease in mainland China before it was listed as category C disease in May, 2008. <i>Lancet Infectious Diseases</i> , 2017 , 17, 1017-1018	25.5	10
134	Spatial-temporal detection of risk factors for bacillary dysentery in Beijing, Tianjin and Hebei, China. <i>BMC Public Health</i> , 2017 , 17, 743	4.1	23
133	Biased Sentinel Hospital Area Disease Estimator 2017 , 245-261		
132	Spatiotemporal Risk of Bacillary Dysentery and Sensitivity to Meteorological Factors in Hunan Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 15,	4.6	18
131	Prolonged continuous exposure to high fine particulate matter associated with cardiovascular and respiratory disease mortality in Beijing, China. <i>Atmospheric Environment</i> , 2017 , 168, 1-7	5.3	17
130	Optimization of Shanghai marine environment monitoring sites by integrating spatial correlation and stratified heterogeneity. <i>Acta Oceanologica Sinica</i> , 2017 , 36, 111-121	1	7
129	Spatiotemporal epidemic characteristics and risk factor analysis of malaria in Yunnan Province, China. <i>BMC Public Health</i> , 2017 , 17, 66	4.1	16
128	Uncertainty of Spatial Information and Spatial Analysis. <i>Springer Geography</i> , 2017 , 511-522	0.4	0
127	Using Spatial Analysis to Understand the Spatial Heterogeneity of Disability Employment in China. <i>Transactions in GIS</i> , 2017 , 21, 647-660	2.1	8
126	Comparisons of Time Series of Annual Mean Surface Air Temperature for China since the 1900s: Observations, Model Simulations, and Extended Reanalysis. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 699-711	6.1	40

125	An Ensemble Spatiotemporal Model for Predicting PM Concentrations. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	19
124	Trends in geographical disparities for cervical cancer mortality in China from 1973 to 2013: a subnational spatio-temporal study. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2017 , 29, 487-495	3.8	8
123	Estimation of daily PM concentration and its relationship with meteorological conditions in Beijing. <i>Journal of Environmental Sciences</i> , 2016 , 48, 161-168	6.4	48
122	Evaluating soil evaporation parameterizations at near-instantaneous scales using surface dryness indices. <i>Journal of Hydrology</i> , 2016 , 541, 1199-1211	6	12
121	Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. <i>Scientific Reports</i> , 2016 , 6, 20604	4.9	58
120	Niche modeling predictions of the potential distribution of <i>Marmota himalayana</i> , the host animal of plague in Yushu County of Qinghai. <i>BMC Public Health</i> , 2016 , 16, 183	4.1	7
119	Modelling input-output flows of severe acute respiratory syndrome in mainland China. <i>BMC Public Health</i> , 2016 , 16, 191	4.1	5
118	Driving forces and their interactions of built-up land expansion based on the geographical detector χ^2 case study of Beijing, China. <i>International Journal of Geographical Information Science</i> , 2016 , 30, 2188-2207	4.1	68
117	Detecting nominal variables spatial associations using conditional probabilities of neighboring surface objects categories. <i>Information Sciences</i> , 2016 , 329, 701-718	7.7	6
116	Land Use/Cover Change Impacts on Water Table Change over 25 Years in a Desert-Oasis Transition Zone of the Heihe River Basin, China. <i>Water (Switzerland)</i> , 2016 , 8, 11	3	14
115	Analysis of Spatiotemporal Characteristics of Pandemic SARS Spread in Mainland China. <i>BioMed Research International</i> , 2016 , 2016, 7247983	3	15
114	Estimation of Areal Mean Rainfall in Remote Areas Using B-SHADE Model. <i>Advances in Meteorology</i> , 2016 , 2016, 1-13	1.7	1
113	Modeling Heterogeneity in Direct Infectious Disease Transmission in a Compartmental Model. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	13
112	Temporal Trends in Geographical Variation in Breast Cancer Mortality in China, 1973-2005: An Analysis of Nationwide Surveys on Cause of Death. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	10
111	Towards Identifying and Reducing the Bias of Disease Information Extracted from Search Engine Data. <i>PLoS Computational Biology</i> , 2016 , 12, e1004876	5	13
110	Temporal and Spatial Analysis of Neural Tube Defects and Detection of Geographical Factors in Shanxi Province, China. <i>PLoS ONE</i> , 2016 , 11, e0150332	3.7	20
109	Spatial association between dissection density and environmental factors over the entire conterminous United States. <i>Geophysical Research Letters</i> , 2016 , 43, 692-700	4.9	77
108	Spatial distribution estimation of malaria in northern China and its scenarios in 2020, 2030, 2040 and 2050. <i>Malaria Journal</i> , 2016 , 15, 345	3.6	24

107	A measure of spatial stratified heterogeneity. <i>Ecological Indicators</i> , 2016 , 67, 250-256	5.8	554
106	Assessment of pollutant mean concentrations in the Yangtze estuary based on MSN theory. <i>Marine Pollution Bulletin</i> , 2016 , 113, 216-223	6.7	5
105	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. <i>BMC Public Health</i> , 2015 , 15, 71	4.1	21
104	A stratified optimization method for a multivariate marine environmental monitoring network in the Yangtze River estuary and its adjacent sea. <i>International Journal of Geographical Information Science</i> , 2015 , 29, 1332-1349	4.1	19
103	Sandwich mapping of diseases with a small sample in a stratified heterogeneous domain. <i>Annals of GIS</i> , 2015 , 21, 169-173	4.1	
102	Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. <i>Parasites and Vectors</i> , 2015 , 8, 146	4	22
101	Using robust Bayesian network to estimate the residuals of fluoroquinolone antibiotic in soil. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 17540-9	5.1	3
100	Cardiovascular mortality associated with low and high temperatures: determinants of inter-region vulnerability in China. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 5918-33	4.6	16
99	Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. <i>Atmosphere</i> , 2015 , 6, 1307-1326	2.7	15
98	Accessibility of Catering Service Venues and Adolescent Drinking in Beijing, China. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7208-19	4.6	1
97	Evaluation of Sampling Methods for Validation of Remotely Sensed Fractional Vegetation Cover. <i>Remote Sensing</i> , 2015 , 7, 16164-16182	5	26
96	Spatial-temporal variation and primary ecological drivers of Anopheles sinensis human biting rates in malaria epidemic-prone regions of China. <i>PLoS ONE</i> , 2015 , 10, e0116932	3.7	13
95	Visualized Exploratory Spatiotemporal Analysis of Hand-Foot-Mouth Disease in Southern China. <i>PLoS ONE</i> , 2015 , 10, e0143411	3.7	12
94	Spatiotemporal analysis of ambient air pollution exposure and respiratory infections cases in Beijing. <i>Central European Journal of Public Health</i> , 2015 , 23, 73-6	1.2	6
93	A method for extracting rules from spatial data based on rough fuzzy sets. <i>Knowledge-Based Systems</i> , 2014 , 57, 28-40	7.3	32
92	Spatial data discretization methods for geocomputation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014 , 26, 432-440	7.3	11
91	Comparison of spatial sampling strategies for ground sampling and validation of MODIS LAI products. <i>International Journal of Remote Sensing</i> , 2014 , 35, 7230-7244	3.1	8
90	Investigation of residual fluoroquinolones in a soil-vegetable system in an intensive vegetable cultivation area in Northern China. <i>Science of the Total Environment</i> , 2014 , 468-469, 258-64	10.2	80

89	Identification of health risks of hand, foot and mouth disease in China using the geographical detector technique. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 3407-2346	4.6	74
88	The lag effects and vulnerabilities of temperature effects on cardiovascular disease mortality in a subtropical climate zone in China. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 3982-94	4.6	48
87	Hybrid optimal design of the eco-hydrological wireless sensor network in the middle reach of the Heihe River Basin, China. <i>Sensors</i> , 2014 , 14, 19095-114	3.8	34
86	A new estimate of the China temperature anomaly series and uncertainty assessment in 1900-2006. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 1-9	4.4	43
85	Spatial-temporal pattern and risk factor analysis of bacillary dysentery in the Beijing-Tianjin-Tangshan urban region of China. <i>BMC Public Health</i> , 2014 , 14, 998	4.1	26
84	Spatial pattern of severe acute respiratory syndrome in-out flow in 2003 in Mainland China. <i>BMC Infectious Diseases</i> , 2014 , 14, 721	4	6
83	Environmental controls on cultivated soybean phenotypic traits across China. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 192, 12-18	5.7	8
82	Spatiotemporal pattern of hand-foot-mouth disease in China: an analysis of empirical orthogonal functions. <i>Public Health</i> , 2014 , 128, 367-75	4	8
81	A spatial and temporal analysis of Japanese encephalitis in mainland China, 1963-1975: a period without Japanese encephalitis vaccination. <i>PLoS ONE</i> , 2014 , 9, e99183	3.7	14
80	Using spatial multilevel regression analysis to assess soil type contextual effects on neural tube defects. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1695-1708	3.5	9
79	Spatial and temporal characteristics of particulate matter in Beijing, China using the Empirical Mode Decomposition method. <i>Science of the Total Environment</i> , 2013 , 458-460, 70-80	10.2	45
78	A B-SHADE based best linear unbiased estimation tool for biased samples. <i>Environmental Modelling and Software</i> , 2013 , 48, 93-97	5.2	8
77	Influence of planting patterns on fluoroquinolone residues in the soil of an intensive vegetable cultivation area in northern China. <i>Science of the Total Environment</i> , 2013 , 458-460, 63-9	10.2	73
76	Design-based spatial sampling: Theory and implementation. <i>Environmental Modelling and Software</i> , 2013 , 40, 280-288	5.2	41
75	Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 815-31	3.1	12
74	Spatiotemporal transmission and determinants of typhoid and paratyphoid fever in Hongta District, Yunnan Province, China. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2112	4.8	21
73	Sandwich Estimation for Multi-Unit Reporting on a Stratified Heterogeneous Surface. <i>Environment and Planning A</i> , 2013 , 45, 2515-2534	2.7	31
72	Optimal discretization for geographical detectors-based risk assessment. <i>GIScience and Remote Sensing</i> , 2013 , 50, 78-92	4.8	81

71	Interpolation of Missing Temperature Data at Meteorological Stations Using P-BSHADE*. <i>Journal of Climate</i> , 2013 , 26, 7452-7463	4.4	30
70	Estimation of citywide air pollution in Beijing. <i>PLoS ONE</i> , 2013 , 8, e53400	3.7	70
69	Spatiotemporal infectious disease modeling: a BME-SIR approach. <i>PLoS ONE</i> , 2013 , 8, e72168	3.7	27
68	Population exposure to PM2.5 in the urban area of Beijing. <i>PLoS ONE</i> , 2013 , 8, e63486	3.7	63
67	Environmental health risk detection with GeogDetector. <i>Environmental Modelling and Software</i> , 2012 , 33, 114-115	5.2	185
66	Spatial estimation of antibiotic residues in surface soils in a typical intensive vegetable cultivation area in China. <i>Science of the Total Environment</i> , 2012 , 430, 126-31	10.2	45
65	A review of spatial sampling. <i>Spatial Statistics</i> , 2012 , 2, 1-14	2.2	191
64	Exploring geological and socio-demographic factors associated with under-five mortality in the Wenchuan earthquake using neural network model. <i>International Journal of Environmental Health Research</i> , 2012 , 22, 184-96	3.6	2
63	Spatiotemporal analysis of indigenous and imported dengue fever cases in Guangdong province, China. <i>BMC Infectious Diseases</i> , 2012 , 12, 132	4	48
62	Assessing the quality of training data in the supervised classification of remotely sensed imagery: a correlation analysis. <i>Journal of Spatial Science</i> , 2012 , 57, 135-152	1.6	7
61	A spatial model to predict the incidence of neural tube defects. <i>BMC Public Health</i> , 2012 , 12, 951	4.1	8
60	Determinants of the incidence of hand, foot and mouth disease in China using geographically weighted regression models. <i>PLoS ONE</i> , 2012 , 7, e38978	3.7	85
59	A spatial scan statistic for nonisotropic two-level risk cluster. <i>Statistics in Medicine</i> , 2012 , 31, 177-87	2.3	6
58	Cities evolution tree and applications to predicting urban growth. <i>Population and Environment</i> , 2012 , 33, 186-201	4	23
57	Adaptive modeling of the human-environment relationship applied to estimation of the population carrying capacity in an earthquake zone. <i>Population and Environment</i> , 2012 , 33, 233-242	4	1
56	A Bayesian method to mine spatial data sets to evaluate the vulnerability of human beings to catastrophic risk. <i>Risk Analysis</i> , 2012 , 32, 1072-92	3.9	16
55	Sampling Survey of Heavy Metal in Soil Using SSSI. <i>Lecture Notes in Geoinformation and Cartography</i> , 2012 , 15-26	0.3	
54	A spatial scan statistic for multiple clusters. <i>Mathematical Biosciences</i> , 2011 , 233, 135-42	3.9	24

53	Geographical detector-based risk assessment of the under-five mortality in the 2008 Wenchuan earthquake, China. <i>PLoS ONE</i> , 2011 , 6, e21427	3.7	78
52	Area disease estimation based on sentinel hospital records. <i>PLoS ONE</i> , 2011 , 6, e23428	3.7	28
51	Multiple mechanisms underlie rapid expansion of an invasive alien plant. <i>New Phytologist</i> , 2011 , 191, 828-839	9.8	52
50	A comparison of methods for spatial relative risk mapping of human neural tube defects. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 99-106	3.5	9
49	A spatial sampling optimization package using MSN theory. <i>Environmental Modelling and Software</i> , 2011 , 26, 546-548	5.2	30
48	Mapping under-five mortality in the Wenchuan earthquake using hierarchical Bayesian modeling. <i>International Journal of Environmental Health Research</i> , 2011 , 21, 364-71	3.6	5
47	Distribution of <i>Aedes albopictus</i> (Diptera: Culicidae) in northwestern China. <i>Vector-Borne and Zoonotic Diseases</i> , 2011 , 11, 1181-6	2.4	48
46	Spatial Data Analysis. <i>SpringerBriefs in Regional Science</i> , 2011 ,	0.3	75
45	Arsenic levels in the soil and risk of birth defects: a population-based case-control study using GIS technology. <i>Journal of Environmental Health</i> , 2011 , 74, 20-5	0.4	22
44	Using rough set theory to identify villages affected by birth defects: the example of Heshun, Shanxi, China. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 559-576	4.1	28
43	Spatial analysis of neural tube defects in a rural coal mining area. <i>International Journal of Environmental Health Research</i> , 2010 , 20, 439-50	3.6	32
42	2010 ,		1
41	Integration of GP and GA for mapping population distribution. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 47-67	4.1	25
40	Sample surveying to estimate the mean of a heterogeneous surface: reducing the error variance through zoning. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 523-543	4.1	92
39	Prediction of neural tube defect using support vector machine. <i>Biomedical and Environmental Sciences</i> , 2010 , 23, 167-72	1.1	7
38	Geographical Detectors-Based Health Risk Assessment and its Application in the Neural Tube Defects Study of the Heshun Region, China. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 107-127	4.1	75 ⁸
37	Using spatial analysis and Bayesian network to model the vulnerability and make insurance pricing of catastrophic risk. <i>International Journal of Geographical Information Science</i> , 2010 , 24, 1759-1784	4.1	22
36	Risk assessment of human neural tube defects using a Bayesian belief network. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 93-100	3.5	29

35	Estimating spatial attribute means in a GIS environment. <i>Science China Earth Sciences</i> , 2010 , 53, 181-188	4.6	4
34	Spatio-temporal evolution of Beijing 2003 SARS epidemic. <i>Science China Earth Sciences</i> , 2010 , 53, 1017-1028	4.28	17
33	The novel H1N1 Influenza A global airline transmission and early warning without travel containments. <i>Science Bulletin</i> , 2010 , 55, 3030-3036		15
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