

Jinfeng Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5596330/publications.pdf>

Version: 2024-02-01

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 | 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. | 4.2 | 12 |
| 2 | Spatial rough set-based geographical detectors for nominal target variables. <i>Information Sciences</i> , 2022, 586, 525-539. | 4.0 | 10 |
| 3 | Causal inference in spatial statistics. <i>Spatial Statistics</i> , 2022, 50, 100621. | 0.9 | 4 |
| 4 | Surrounding road density of child care centers in Australia. <i>Scientific Data</i> , 2022, 9, 140. | 2.4 | 0 |
| 5 | Assessing work resumption in hospitals during the COVID-19 epidemic in China using multiscale geographically weighted regression. <i>Transactions in GIS</i> , 2022, 26, 2023-2040. | 1.0 | 2 |
| 6 | 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. | 1.4 | 3 |
| 7 | Unbalanced Risk of Pulmonary Tuberculosis in China at the Subnational Scale: Spatiotemporal Analysis. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e36242. | 1.2 | 4 |
| 8 | Lagged Effects of Exposure to Air Pollutants on the Risk of Pulmonary Tuberculosis in a Highly Polluted Region. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5752. | 1.2 | 4 |
| 9 | 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. | 7.2 | 17 |
| 10 | Spatial distribution of esophageal cancer mortality in China: a machine learning approach. <i>International Health</i> , 2021, 13, 70-79. | 0.8 | 9 |
| 11 | 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. | 2.2 | 5 |
| 12 | 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> , 2021, 35, 481-498. | 1.9 | 12 |
| 13 | Projecting heat-related excess mortality under climate change scenarios in China. <i>Nature Communications</i> , 2021, 12, 1039. | 5.8 | 102 |
| 14 | Seasonal association between viral causes of hospitalised acute lower respiratory infections and meteorological factors in China: a retrospective study. <i>Lancet Planetary Health</i> , The, 2021, 5, e154-e163. | 5.1 | 45 |
| 15 | Spatiotemporal heterogeneity and its determinants of COVID-19 transmission in typical labor export provinces of China. <i>BMC Infectious Diseases</i> , 2021, 21, 242. | 1.3 | 26 |
| 16 | Global spatiotemporal transmission patterns of human enterovirus 71 from 1963 to 2019. <i>Virus Evolution</i> , 2021, 7, . | 2.2 | 0 |
| 17 | Modeling the complete spatiotemporal spread of the COVID-19 epidemic in mainland China. <i>International Journal of Infectious Diseases</i> , 2021, 110, 247-257. | 1.5 | 7 |
| 18 | Rice supply flows and their determinants in China. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105812. | 5.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Spatial interpolation of marine environment data using P-MSN. <i>International Journal of Geographical Information Science</i> , 2020, 34, 577-603. | 2.2 | 9 |
| 20 | 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. | 3.9 | 1 |
| 21 | The spatial statistic trinity: A generic framework for spatial sampling and inference. <i>Environmental Modelling and Software</i> , 2020, 134, 104835. | 1.9 | 26 |
| 22 | 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. | 1.4 | 18 |
| 23 | Theoretical and empirical comparative evaluations on measures of map association. <i>Journal of Geographical Systems</i> , 2020, 22, 361-390. | 1.9 | 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. <i>International Journal of Infectious Diseases</i> , 2020, 96, 489-495. | 1.5 | 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. <i>GIScience and Remote Sensing</i> , 2020, 57, 593-610. | 2.4 | 321 |
| 26 | Modelling and prediction of global non-communicable diseases. <i>BMC Public Health</i> , 2020, 20, 822. | 1.2 | 66 |
| 27 | Incorporating spatial association into statistical classifiers: local pattern-based prior tuning. <i>International Journal of Geographical Information Science</i> , 2020, 34, 2077-2114. | 2.2 | 3 |
| 28 | Mapping the Spatialâ€™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, 1469. | 1.2 | 8 |
| 29 | 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. | 1.2 | 9 |
| 30 | 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. | 1.8 | 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. <i>Science of the Total Environment</i> , 2019, 648, 550-560. | 3.9 | 36 |
| 32 | Air pollution exposure associates with increased risk of neonatal jaundice. <i>Nature Communications</i> , 2019, 10, 3741. | 5.8 | 48 |
| 33 | Mapping the increased minimum mortality temperatures in the context of global climate change. <i>Nature Communications</i> , 2019, 10, 4640. | 5.8 | 105 |
| 34 | 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. | 2.7 | 18 |
| 35 | 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. | 1.9 | 10 |
| 36 | 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. | 3.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | 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, 376. | 1.2 | 19 |
| 38 | A new method to estimate the temperature-CVD mortality relationship. <i>Environmental Science and Pollution Research</i> , 2019, 26, 8895-8901. | 2.7 | 1 |
| 39 | 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. | 1.1 | 7 |
| 40 | 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. | 0.7 | 6 |
| 41 | A spatial heterogeneity-based rough set extension for spatial data. <i>International Journal of Geographical Information Science</i> , 2019, 33, 240-268. | 2.2 | 3 |
| 42 | Maternal exposure to ambient PM10 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. | 3.9 | 50 |
| 43 | 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. | 1.9 | 10 |
| 44 | Spatiotemporal evolution of the remotely sensed global continental PM2.5 concentration from 2000-2014 based on Bayesian statistics. <i>Environmental Pollution</i> , 2018, 238, 471-481. | 3.7 | 25 |
| 45 | Sandwich mapping of rodent density in Jilin Province, China. <i>Journal of Chinese Geography</i> , 2018, 28, 445-458. | 1.5 | 5 |
| 46 | 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. | 1.7 | 56 |
| 47 | 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. | 3.9 | 30 |
| 48 | Global land surface air temperature dynamics since 1880. <i>International Journal of Climatology</i> , 2018, 38, e466. | 1.5 | 25 |
| 49 | A New Method for Temperature Spatial Interpolation Based on Sparse Historical Stations. <i>Journal of Climate</i> , 2018, 31, 1757-1770. | 1.2 | 28 |
| 50 | 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. | 0.6 | 2 |
| 51 | 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. | 1.6 | 4 |
| 52 | 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. | 4.6 | 32 |
| 53 | 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. | 2.7 | 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. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1476. | 1.2 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Spatiotemporal Risk of Bacillary Dysentery and Sensitivity to Meteorological Factors in Hunan Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 47. | 1.2 | 19 |
| 56 | Modeling the Heterogeneity of Dengue Transmission in a City. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1128. | 1.2 | 18 |
| 57 | 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. | 1.2 | 28 |
| 58 | A Bayesian Space-Time Hierarchical Model for Remotely Sensed Lattice Data Based on Multiscale Homogeneous Statistical Units. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 2151-2161. | 2.3 | 4 |
| 59 | Estimating missing values in China's official socioeconomic statistics using progressive spatiotemporal Bayesian hierarchical modeling. <i>Scientific Reports</i> , 2018, 8, 10055. | 1.6 | 10 |
| 60 | A new method for assessing the risk of infectious disease outbreak. <i>Scientific Reports</i> , 2017, 7, 40084. | 1.6 | 23 |
| 61 | The association between consecutive days' heat wave and cardiovascular disease mortality in Beijing, China. <i>BMC Public Health</i> , 2017, 17, 223. | 1.2 | 153 |
| 62 | Spatial and temporal patterns of nasopharyngeal carcinoma mortality in China, 1973-2005. <i>Cancer Letters</i> , 2017, 401, 33-38. | 3.2 | 9 |
| 63 | Geographically weighted regression-based determinants of malaria incidences in northern China. <i>Transactions in GIS</i> , 2017, 21, 934-953. | 1.0 | 27 |
| 64 | Probabilistic assessment of high concentrations of particulate matter (PM 10) in Beijing, China. <i>Atmospheric Pollution Research</i> , 2017, 8, 1143-1150. | 1.8 | 9 |
| 65 | 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. | 0.9 | 36 |
| 66 | The potential benefits of location-specific biometeorological indexes. <i>International Journal of Biometeorology</i> , 2017, 61, 1695-1698. | 1.3 | 7 |
| 67 | 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. | 4.6 | 11 |
| 68 | 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. | 1.9 | 27 |
| 69 | Optimization of Shanghai marine environment monitoring sites by integrating spatial correlation and stratified heterogeneity. <i>Acta Oceanologica Sinica</i> , 2017, 36, 111-121. | 0.4 | 9 |
| 70 | Spatiotemporal epidemic characteristics and risk factor analysis of malaria in Yunnan Province, China. <i>BMC Public Health</i> , 2017, 17, 66. | 1.2 | 25 |
| 71 | Uncertainty of Spatial Information and Spatial Analysis. <i>Springer Geography</i> , 2017, , 511-522. | 0.3 | 1 |
| 72 | Using Spatial Analysis to Understand the Spatial Heterogeneity of Disability Employment in China. <i>Transactions in GIS</i> , 2017, 21, 647-660. | 1.0 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | 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. | 1.7 | 50 |
| 74 | An Ensemble Spatiotemporal Model for Predicting PM2.5 Concentrations. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 549. | 1.2 | 26 |
| 75 | Spatial-temporal detection of risk factors for bacillary dysentery in Beijing, Tianjin and Hebei, China. <i>BMC Public Health</i> , 2017, 17, 743. | 1.2 | 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. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2017, 29, 487-495. | 0.7 | 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. <i>Water (Switzerland)</i> , 2016, 8, 11. | 1.2 | 20 |
| 79 | Analysis of Spatiotemporal Characteristics of Pandemic SARS Spread in Mainland China. <i>BioMed Research International</i> , 2016, 2016, 1-12. | 0.9 | 18 |
| 80 | Estimation of Areal Mean Rainfall in Remote Areas Using B-SHADE Model. <i>Advances in Meteorology</i> , 2016, 2016, 1-13. | 0.6 | 5 |
| 81 | Modeling Heterogeneity in Direct Infectious Disease Transmission in a Compartmental Model. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 253. | 1.2 | 18 |
| 82 | Temporal Trends in Geographical Variation in Breast Cancer Mortality in China, 1973â€“2005: An Analysis of Nationwide Surveys on Cause of Death. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 963. | 1.2 | 14 |
| 83 | Towards Identifying and Reducing the Bias of Disease Information Extracted from Search Engine Data. <i>PLoS Computational Biology</i> , 2016, 12, e1004876. | 1.5 | 19 |
| 84 | Temporal and Spatial Analysis of Neural Tube Defects and Detection of Geographical Factors in Shanxi Province, China. <i>PLoS ONE</i> , 2016, 11, e0150332. | 1.1 | 33 |
| 85 | Spatial association between dissection density and environmental factors over the entire conterminous United States. <i>Geophysical Research Letters</i> , 2016, 43, 692-700. | 1.5 | 126 |
| 86 | Spatial distribution estimation of malaria in northern China and its scenarios in 2020, 2030, 2040 and 2050. <i>Malaria Journal</i> , 2016, 15, 345. | 0.8 | 29 |
| 87 | A measure of spatial stratified heterogeneity. <i>Ecological Indicators</i> , 2016, 67, 250-256. | 2.6 | 1,042 |
| 88 | Assessment of pollutant mean concentrations in the Yangtze estuary based on MSN theory. <i>Marine Pollution Bulletin</i> , 2016, 113, 216-223. | 2.3 | 6 |
| 89 | Estimation of daily PM 2.5 concentration and its relationship with meteorological conditions in Beijing. <i>Journal of Environmental Sciences</i> , 2016, 48, 161-168. | 3.2 | 64 |
| 90 | Evaluating soil evaporation parameterizations at near-instantaneous scales using surface dryness indices. <i>Journal of Hydrology</i> , 2016, 541, 1199-1211. | 2.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Predicting malaria vector distribution under climate change scenarios in China: Challenges for malaria elimination. <i>Scientific Reports</i> , 2016, 6, 20604. | 1.6 | 76 |
| 92 | 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. | 1.2 | 16 |
| 93 | Modelling input-output flows of severe acute respiratory syndrome in mainland China. <i>BMC Public Health</i> , 2016, 16, 191. | 1.2 | 7 |
| 94 | Driving forces and their interactions of built-up land expansion based on the geographical detector “a case study of Beijing, China. <i>International Journal of Geographical Information Science</i> , 2016, 30, 2188-2207. | 2.2 | 120 |
| 95 | Detecting nominal variables’ spatial associations using conditional probabilities of neighboring surface objects’ categories. <i>Information Sciences</i> , 2016, 329, 701-718. | 4.0 | 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. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5918-5933. | 1.2 | 21 |
| 98 | Spatiotemporal Interpolation of Rainfall by Combining BME Theory and Satellite Rainfall Estimates. <i>Atmosphere</i> , 2015, 6, 1307-1326. | 1.0 | 21 |
| 99 | Accessibility of Catering Service Venues and Adolescent Drinking in Beijing, China. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 7208-7219. | 1.2 | 1 |
| 100 | Evaluation of Sampling Methods for Validation of Remotely Sensed Fractional Vegetation Cover. <i>Remote Sensing</i> , 2015, 7, 16164-16182. | 1.8 | 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. <i>BMC Public Health</i> , 2015, 15, 71. | 1.2 | 25 |
| 102 | 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. | 2.2 | 22 |
| 103 | Sandwich mapping of diseases with a small sample in a stratified heterogeneous domain. <i>Annals of GIS</i> , 2015, 21, 169-173. | 1.4 | 1 |
| 104 | Spatio-temporal analysis of malaria vectors in national malaria surveillance sites in China. <i>Parasites and Vectors</i> , 2015, 8, 146. | 1.0 | 25 |
| 105 | Using robust Bayesian network to estimate the residuals of fluoroquinolone antibiotic in soil. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17540-17549. | 2.7 | 3 |
| 106 | Spatial-Temporal Variation and Primary Ecological Drivers of <i>Anopheles sinensis</i> Human Biting Rates in Malaria Epidemic-Prone Regions of China. <i>PLoS ONE</i> , 2015, 10, e0116932. | 1.1 | 19 |
| 107 | Visualized Exploratory Spatiotemporal Analysis of Hand-Foot-Mouth Disease in Southern China. <i>PLoS ONE</i> , 2015, 10, e0143411. | 1.1 | 18 |
| 108 | Spatiotemporal Analysis of Ambient Air Pollution Exposure and Respiratory Infections Cases in Beijing. <i>Central European Journal of Public Health</i> , 2015, 23, 73-76. | 0.4 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | 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, 3407-3423. | 1.2 | 96 |
| 110 | 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, 3982-3994. | 1.2 | 60 |
| 111 | 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, 19095-19114. | 2.1 | 37 |
| 112 | A new estimate of the China temperature anomaly series and uncertainty assessment in 1900â€“2006. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1-9. | 1.2 | 58 |
| 113 | Spatialâ€“temporal pattern and risk factor analysis of bacillary dysentery in the Beijingâ€“Tianjinâ€“Tangshan urban region of China. <i>BMC Public Health</i> , 2014, 14, 998. | 1.2 | 32 |
| 114 | Spatial pattern of severe acute respiratory syndrome in-out flow in 2003 in Mainland China. <i>BMC Infectious Diseases</i> , 2014, 14, 721. | 1.3 | 7 |
| 115 | Environmental controls on cultivated soybean phenotypic traits across China. <i>Agriculture, Ecosystems and Environment</i> , 2014, 192, 12-18. | 2.5 | 11 |
| 116 | Spatiotemporal pattern of handâ€“footâ€“mouth disease in China: an analysis of empirical orthogonal functions. <i>Public Health</i> , 2014, 128, 367-375. | 1.4 | 13 |
| 117 | A method for extracting rules from spatial data based on rough fuzzy sets. <i>Knowledge-Based Systems</i> , 2014, 57, 28-40. | 4.0 | 43 |
| 118 | Spatial data discretization methods for geocomputation. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2014, 26, 432-440. | 1.4 | 16 |
| 119 | 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. | 1.3 | 9 |
| 120 | Investigation of residual fluoroquinolones in a soilâ€“vegetable system in an intensive vegetable cultivation area in Northern China. <i>Science of the Total Environment</i> , 2014, 468-469, 258-264. | 3.9 | 110 |
| 121 | A Spatial and Temporal Analysis of Japanese Encephalitis in Mainland China, 1963â€“1975: A Period without Japanese Encephalitis Vaccination. <i>PLoS ONE</i> , 2014, 9, e99183. | 1.1 | 19 |
| 122 | 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. | 1.9 | 9 |
| 123 | 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. | 3.9 | 53 |
| 124 | A B-SHADE based best linear unbiased estimation tool for biased samples. <i>Environmental Modelling and Software</i> , 2013, 48, 93-97. | 1.9 | 12 |
| 125 | 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, 63-69. | 3.9 | 91 |
| 126 | Design-based spatial sampling: Theory and implementation. <i>Environmental Modelling and Software</i> , 2013, 40, 280-288. | 1.9 | 50 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Model-driven development of covariances for spatiotemporal environmental health assessment. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 815-831. | 1.3 | 14 |
| 128 | Spatiotemporal Transmission and Determinants of Typhoid and Paratyphoid Fever in Hongta District, Yunnan Province, China. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2112. | 1.3 | 25 |
| 129 | Sandwich Estimation for Multi-Unit Reporting on a Stratified Heterogeneous Surface. <i>Environment and Planning A</i> , 2013, 45, 2515-2534. | 2.1 | 39 |
| 130 | Optimal discretization for geographical detectors-based risk assessment. <i>GIScience and Remote Sensing</i> , 2013, 50, 78-92. | 2.4 | 157 |
| 131 | Interpolation of Missing Temperature Data at Meteorological Stations Using P-BSHADE*. <i>Journal of Climate</i> , 2013, 26, 7452-7463. | 1.2 | 39 |
| 132 | Estimation of Citywide Air Pollution in Beijing. <i>PLoS ONE</i> , 2013, 8, e53400. | 1.1 | 84 |
| 133 | Spatiotemporal Infectious Disease Modeling: A BME-SIR Approach. <i>PLoS ONE</i> , 2013, 8, e72168. | 1.1 | 33 |
| 134 | Population Exposure to PM2.5 in the Urban Area of Beijing. <i>PLoS ONE</i> , 2013, 8, e63486. | 1.1 | 72 |
| 135 | A review of spatial sampling. <i>Spatial Statistics</i> , 2012, 2, 1-14. | 0.9 | 257 |
| 136 | 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, 184-196. | 1.3 | 2 |
| 137 | Spatiotemporal analysis of indigenous and imported dengue fever cases in Guangdong province, China. <i>BMC Infectious Diseases</i> , 2012, 12, 132. | 1.3 | 59 |
| 138 | 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. | 1.0 | 7 |
| 139 | A spatial model to predict the incidence of neural tube defects. <i>BMC Public Health</i> , 2012, 12, 951. | 1.2 | 9 |
| 140 | Determinants of the Incidence of Hand, Foot and Mouth Disease in China Using Geographically Weighted Regression Models. <i>PLoS ONE</i> , 2012, 7, e38978. | 1.1 | 100 |
| 141 | A spatial scan statistic for nonisotropic two-level risk cluster. <i>Statistics in Medicine</i> , 2012, 31, 177-187. | 0.8 | 6 |
| 142 | Cities evolution tree and applications to predicting urban growth. <i>Population and Environment</i> , 2012, 33, 186-201. | 1.3 | 38 |
| 143 | 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. | 1.3 | 1 |
| 144 | A Bayesian Method to Mine Spatial Data Sets to Evaluate the Vulnerability of Human Beings to Catastrophic Risk. <i>Risk Analysis</i> , 2012, 32, 1072-1092. | 1.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Environmental health risk detection with GeogDetector. Environmental Modelling and Software, 2012, 33, 114-115. | 1.9 | 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. | 3.9 | 51 |
| 147 | Sampling Survey of Heavy Metal in Soil Using SSSI. Lecture Notes in Geoinformation and Cartography, 2012, , 15-26. | 0.5 | 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. | 0.9 | 27 |
| 150 | Geographical Detector-Based Risk Assessment of the Under-Five Mortality in the 2008 Wenchuan Earthquake, China. PLoS ONE, 2011, 6, e21427. | 1.1 | 98 |
| 151 | Area Disease Estimation Based on Sentinel Hospital Records. PLoS ONE, 2011, 6, e23428. | 1.1 | 36 |
| 152 | Multiple mechanisms underlie rapid expansion of an invasive alien plant. New Phytologist, 2011, 191, 828-839. | 3.5 | 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. | 1.9 | 9 |
| 154 | A spatial sampling optimization package using MSN theory. Environmental Modelling and Software, 2011, 26, 546-548. | 1.9 | 37 |
| 155 | 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 |
| 156 | Distribution of <i>Aedes albopictus</i> (Diptera: Culicidae) in Northwestern China. Vector-Borne and Zoonotic Diseases, 2011, 11, 1181-1186. | 0.6 | 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. | 1.9 | 32 |
| 160 | Estimating spatial attribute means in a GIS environment. Science China Earth Sciences, 2010, 53, 181-188. | 2.3 | 5 |
| 161 | Spatio-temporal evolution of Beijing 2003 SARS epidemic. Science China Earth Sciences, 2010, 53, 1017-1028. | 2.3 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Assessing local determinants of neural tube defects in the Heshun Region, Shanxi Province, China. BMC Public Health, 2010, 10, 52. | 1.2 | 33 |
| 164 | Assessment of Catastrophic Risk Using Bayesian Network Constructed from Domain Knowledge and Spatial Data. Risk Analysis, 2010, 30, 1157-1175. | 1.5 | 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. | 2.2 | 33 |
| 166 | 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 |
| 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. | 2.2 | 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. | 2.2 | 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. | 2.2 | 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. | 2.2 | 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. | 1.3 | 7 |
| 174 | Sampling and Kriging Spatial Means: Efficiency and Conditions. Sensors, 2009, 9, 5224-5240. | 2.1 | 24 |
| 175 | Super-Resolution Reconstruction of Remote Sensing Images Using Multifractal Analysis. Sensors, 2009, 9, 8669-8683. | 2.1 | 32 |
| 176 | Identifying environmental risk factors for human neural tube defects before and after folic acid supplementation. BMC Public Health, 2009, 9, 391. | 1.2 | 16 |
| 177 | Modeling Spatial Means of Surfaces With Stratified Nonhomogeneity. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 4167-4174. | 2.7 | 76 |
| 178 | Optimal Water Resource Allocation in Arid and Semi-Arid Areas. Water Resources Management, 2008, 22, 239-258. | 1.9 | 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. | 1.9 | 45 |
| 180 | Improving Tsunami Warning Systems with Remote Sensing and Geographical Information System Input. Risk Analysis, 2008, 28, 1653-1668. | 1.5 | 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. | 1.3 | 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. | 2.2 | 19 |
| 184 | Analysis of the geographic distribution of HFERS in Liaoning Province between 2000 and 2005. BMC Public Health, 2007, 7, 207. | 1.2 | 35 |
| 185 | Bayesian mapping of neural tube defects prevalence in Heshun County, Shanxi Province, China during 1998-2001. Journal of Zhejiang University: Science A, 2007, 8, 921-925. | 1.3 | 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. | 0.2 | 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. | 0.6 | 15 |
| 190 | Local Neural Networks of Space-Time Predicting Modeling for Lattice Data in GIS. Lecture Notes in Computer Science, 2006, , 1192-1201. | 1.0 | 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. | 1.5 | 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. | 1.3 | 139 |
| 195 | Typhoon insurance pricing with spatial decision support tools. International Journal of Geographical Information Science, 2005, 19, 363-384. | 2.2 | 23 |
| 196 | Understanding the spatial diffusion process of severe acute respiratory syndrome in Beijing. Public Health, 2005, 119, 1080-1087. | 1.4 | 60 |
| 197 | Exploratory spatial data analysis for the identification of risk factors to birth defects. BMC Public Health, 2004, 4, 23. | 1.2 | 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. | 1.0 | 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 |