

Qihao Weng

List of Publications by Year in descending order

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Version: 2024-02-01

186
papers

20,113
citations

12303

69
h-index

10708

138
g-index

218
all docs

218
docs citations

218
times ranked

13066
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An Automatic Cloud Detection Neural Network for High-Resolution Remote Sensing Imagery With Cloud-Snow Coexistence. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5. | 1.4 | 10 |
| 2 | Thick Clouds Removing From Multitemporal Landsat Images Using Spatiotemporal Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14. | 2.7 | 14 |
| 3 | Use of local climate zones to assess the spatiotemporal variations of urban vegetation phenology in Austin, Texas, USA. <i>GIScience and Remote Sensing</i> , 2022, 59, 393-409. | 2.4 | 16 |
| 4 | Desert landform detection and mapping using a semi-automated object-based image analysis approach. <i>Journal of Arid Environments</i> , 2022, 199, 104721. | 1.2 | 8 |
| 5 | Impact of temporal compositing on nighttime light data and its applications. <i>Remote Sensing of Environment</i> , 2022, 274, 113016. | 4.6 | 29 |
| 6 | A Comparison between Sentinel-2 and Landsat 8 OLI Satellite Images for Soil Salinity Distribution Mapping Using a Deep Learning Convolutional Neural Network. <i>Canadian Journal of Remote Sensing</i> , 2022, 48, 452-468. | 1.1 | 11 |
| 7 | Global 10-m impervious surface area mapping: A big earth data based extraction and updating approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 109, 102800. | 0.9 | 12 |
| 8 | Learning-Based Methods for Detection and Monitoring of Shallow Flood-Affected Areas: Impact of Shallow-Flood Spreading on Vegetation Density. <i>Canadian Journal of Remote Sensing</i> , 2022, 48, 481-503. | 1.1 | 10 |
| 9 | Distinctive roles of two- and three-dimensional urban structures in surface urban heat islands over the conterminous United States. <i>Urban Climate</i> , 2022, 44, 101230. | 2.4 | 7 |
| 10 | Operational earthquake-induced building damage assessment using CNN-based direct remote sensing change detection on superpixel level. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 112, 102899. | 0.9 | 8 |
| 11 | Characterizing urban land changes of 30 global megacities using nighttime light time series stacks. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 173, 10-23. | 4.9 | 55 |
| 12 | Post-War Urban Damage Mapping Using InSAR: The Case of Mosul City in Iraq. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 140. | 1.4 | 10 |
| 13 | Potential of Sun-Induced Chlorophyll Fluorescence for Indicating Mangrove Canopy Photosynthesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006159. | 1.3 | 13 |
| 14 | Exploring diurnal cycles of surface urban heat island intensity in Boston with land surface temperature data derived from GOES-R geostationary satellites. <i>Science of the Total Environment</i> , 2021, 763, 144224. | 3.9 | 36 |
| 15 | Automatic mapping of urban green spaces using a geospatial neural network. <i>GIScience and Remote Sensing</i> , 2021, 58, 624-642. | 2.4 | 22 |
| 16 | Urban Sprawl and Changes in Land-Use Efficiency in the Beijing-Tianjin-Hebei Region, China from 2000 to 2020: A Spatiotemporal Analysis Using Earth Observation Data. <i>Remote Sensing</i> , 2021, 13, 2850. | 1.8 | 22 |
| 17 | An automated deep learning convolutional neural network algorithm applied for soil salinity distribution mapping in Lake Urmia, Iran. <i>Science of the Total Environment</i> , 2021, 778, 146253. | 3.9 | 44 |
| 18 | Google Earth Engine for large-scale land use and land cover mapping: an object-based classification approach using spectral, textural and topographical factors. <i>GIScience and Remote Sensing</i> , 2021, 58, 914-928. | 2.4 | 57 |

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| 19 | An assessment of urbanization sustainability in China between 1990 and 2015 using land use efficiency indicators. <i>Npj Urban Sustainability</i> , 2021, 1, . | 3.7 | 50 |
| 20 | A large-scale change monitoring of wetlands using time series Landsat imagery on Google Earth Engine: a case study in Newfoundland. <i>GIScience and Remote Sensing</i> , 2020, 57, 1102-1124. | 2.4 | 87 |
| 21 | Multi-scale three-dimensional detection of urban buildings using aerial LiDAR data. <i>GIScience and Remote Sensing</i> , 2020, 57, 1125-1143. | 2.4 | 14 |
| 22 | The Second Generation Canadian Wetland Inventory Map at 10 Meters Resolution Using Google Earth Engine. <i>Canadian Journal of Remote Sensing</i> , 2020, 46, 360-375. | 1.1 | 46 |
| 23 | Modeling the Effect of Green Roof Systems and Photovoltaic Panels for Building Energy Savings to Mitigate Climate Change. <i>Remote Sensing</i> , 2020, 12, 2402. | 1.8 | 27 |
| 24 | Spatiotemporal Variation of Surface Urban Heat Islands in Relation to Land Cover Composition and Configuration: A Multi-Scale Case Study of Xi'an, China. <i>Remote Sensing</i> , 2020, 12, 2713. | 1.8 | 56 |
| 25 | Generating high spatial and temporal soil moisture data by disaggregation of SMAP product and its assessment in different land covers. <i>GIScience and Remote Sensing</i> , 2020, 57, 1046-1056. | 2.4 | 3 |
| 26 | Use of Local Climate Zones to investigate surface urban heat islands in Texas. <i>GIScience and Remote Sensing</i> , 2020, 57, 1083-1101. | 2.4 | 46 |
| 27 | Modeling outdoor thermal comfort using satellite imagery: A principle component analysis-based approach. <i>Ecological Indicators</i> , 2020, 117, 106555. | 2.6 | 38 |
| 28 | Modeling the spatial variation of urban land surface temperature in relation to environmental and anthropogenic factors: a case study of Tehran, Iran. <i>GIScience and Remote Sensing</i> , 2020, 57, 483-496. | 2.4 | 40 |
| 29 | Remotely Sensed Urban Surface Ecological Index (RSUSEI): An Analytical Framework for Assessing the Surface Ecological Status in Urban Environments. <i>Remote Sensing</i> , 2020, 12, 2029. | 1.8 | 41 |
| 30 | Characterizing the 3-D urban morphology transformation to understand urban-form dynamics: A case study of Austin, Texas, USA. <i>Landscape and Urban Planning</i> , 2020, 203, 103881. | 3.4 | 36 |
| 31 | Correcting the Pixel Blooming Effect (PiBE) of DMSP-OLS nighttime light imagery. <i>Remote Sensing of Environment</i> , 2020, 240, 111707. | 4.6 | 15 |
| 32 | Surface anthropogenic heat islands in six megacities: An assessment based on a triple-source surface energy balance model. <i>Remote Sensing of Environment</i> , 2020, 242, 111751. | 4.6 | 61 |
| 33 | Investigating Spatiotemporal Patterns of Surface Urban Heat Islands in the Hangzhou Metropolitan Area, China, 2000–2015. <i>Remote Sensing</i> , 2019, 11, 1553. | 1.8 | 18 |
| 34 | An assessment of global electric power consumption using the Defense Meteorological Satellite Program-Operational Linescan System nighttime light imagery. <i>Energy</i> , 2019, 189, 116351. | 4.5 | 22 |
| 35 | A PCA-OLS Model for Assessing the Impact of Surface Biophysical Parameters on Land Surface Temperature Variations. <i>Remote Sensing</i> , 2019, 11, 2094. | 1.8 | 33 |
| 36 | Combinational shadow index for building shadow extraction in urban areas from Sentinel-2A MSI imagery. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 78, 53-65. | 1.4 | 27 |

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| 37 | Integrating UAV optical imagery and LiDAR data for assessing the spatial relationship between mangrove and inundation across a subtropical estuarine wetland. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 149, 146-156. | 4.9 | 68 |
| 38 | A physical model-based method for retrieving urban land surface temperatures under cloudy conditions. Remote Sensing of Environment, 2019, 230, 111191. | 4.6 | 51 |
| 39 | Tidal and Meteorological Influences on the Growth of Invasive Spartina alterniflora: Evidence from UAV Remote Sensing. Remote Sensing, 2019, 11, 1208. | 1.8 | 46 |
| 40 | Assessment of urban environmental change using multi-source remote sensing time series (2000â€“2016): A comparative analysis in selected megacities in Eurasia. Science of the Total Environment, 2019, 684, 567-577. | 3.9 | 55 |
| 41 | Linking In Situ Photochemical Reflectance Index Measurements With Mangrove Carbon Dynamics in a Subtropical Coastal Wetland. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1714-1730. | 1.3 | 13 |
| 42 | Developing a new cross-sensor calibration model for DMSP-OLS and Suomi-NPP VIIRS night-light imageries. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 153, 36-47. | 4.9 | 114 |
| 43 | Modeling the effect of climate change on building energy demand in Los Angeles county by using a GIS-based high spatial- and temporal-resolution approach. Energy, 2019, 176, 641-655. | 4.5 | 28 |
| 44 | Homogeneity Distance Classification Algorithm (HDCA): A Novel Algorithm for Satellite Image Classification. Remote Sensing, 2019, 11, 546. | 1.8 | 11 |
| 45 | Temporal variations of artificial nighttime lights and their implications for urbanization in the conterminous United States, 2013â€“2017. Remote Sensing of Environment, 2019, 225, 160-174. | 4.6 | 71 |
| 46 | Characterizing the spatial pattern of annual urban growth by using time series Landsat imagery. Science of the Total Environment, 2019, 666, 274-284. | 3.9 | 70 |
| 47 | Normalizing land surface temperature for environmental parameters in mountainous and urban areas of a cold semi-arid climate. Science of the Total Environment, 2019, 650, 515-529. | 3.9 | 55 |
| 48 | Statistical analysis of surface urban heat island intensity variations: A case study of Babol city, Iran. GIScience and Remote Sensing, 2019, 56, 576-604. | 2.4 | 70 |
| 49 | Application of airborne remote sensing data on mapping local climate zones: Cases of three metropolitan areas of Texas, U.S.. Computers, Environment and Urban Systems, 2019, 74, 175-193. | 3.3 | 35 |
| 50 | Geographic object-based image analysis (GEOBIA): emerging trends and future opportunities. GIScience and Remote Sensing, 2018, 55, 159-182. | 2.4 | 205 |
| 51 | Responses of urban heat island in Atlanta to different land-use scenarios. Theoretical and Applied Climatology, 2018, 133, 123-135. | 1.3 | 51 |
| 52 | High spatial- and temporal-resolution anthropogenic heat discharge estimation in Los Angeles County, California. Journal of Environmental Management, 2018, 206, 1274-1286. | 3.8 | 39 |
| 53 | Characterizing Urban Landscape by Using Fractal-based Texture Information. Photogrammetric Engineering and Remote Sensing, 2018, 84, 695-710. | 0.3 | 4 |
| 54 | Scaling Effect of Fused ASTER-MODIS Land Surface Temperature in an Urban Environment. Sensors, 2018, 18, 4058. | 2.1 | 21 |

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|----|--|-----|-----------|
| 55 | Essential Urban Variables from Satellite Observations: An Introduction. , 2018, , . | | 2 |
| 56 | A Geographically Weighted Regression Analysis of the Underlying Factors Related to the Surface Urban Heat Island Phenomenon. Remote Sensing, 2018, 10, 1428. | 1.8 | 83 |
| 57 | Variability in annual temperature cycle in the urban areas of the United States as revealed by MODIS imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 146, 65-73. | 4.9 | 77 |
| 58 | A new source of multi-spectral high spatial resolution night-time light imageryâ€™JL1-3B. Remote Sensing of Environment, 2018, 215, 300-312. | 4.6 | 113 |
| 59 | Spatiotemporally enhancing time-series DMSP/OLS nighttime light imagery for assessing large-scale urban dynamics. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 128, 1-15. | 4.9 | 69 |
| 60 | An evaluation of monthly impervious surface dynamics by fusing Landsat and MODIS time series in the Pearl River Delta, China, from 2000 to 2015. Remote Sensing of Environment, 2017, 201, 99-114. | 4.6 | 100 |
| 61 | Estimation of hourly and daily evapotranspiration and soil moisture using downscaled LST over various urban surfaces. GIScience and Remote Sensing, 2017, 54, 95-117. | 2.4 | 60 |
| 62 | A Hybrid Approach for Three-Dimensional Building Reconstruction in Indianapolis from LiDAR Data. Remote Sensing, 2017, 9, 310. | 1.8 | 33 |
| 63 | Monitoring Urban Clusters Expansion in the Middle Reaches of the Yangtze River, China, Using Time-Series Nighttime Light Images. Remote Sensing, 2017, 9, 1007. | 1.8 | 35 |
| 64 | A Review on Remote Sensing of Urban Heat and Cool Islands. Land, 2017, 6, 38. | 1.2 | 100 |
| 65 | An Analysis of the Discrepancies between MODIS and INSAT-3D LSTs in High Temperatures. Remote Sensing, 2017, 9, 347. | 1.8 | 6 |
| 66 | Evaluation of ASTER-Like Daily Land Surface Temperature by Fusing ASTER and MODIS Data during the HiWATER-MUSOEXE. Remote Sensing, 2016, 8, 75. | 1.8 | 33 |
| 67 | Seasonal Variations of the Surface Urban Heat Island in a Semi-Arid City. Remote Sensing, 2016, 8, 352. | 1.8 | 167 |
| 68 | Estimating Tree Frontal Area in Urban Areas Using Terrestrial LiDAR Data. Remote Sensing, 2016, 8, 401. | 1.8 | 1 |
| 69 | Monitoring Urban Dynamics in the Southeast U.S.A. Using Time-Series DMSP/OLS Nightlight Imagery. Remote Sensing, 2016, 8, 578. | 1.8 | 69 |
| 70 | Temporally extrapolating object-based threshold for updating urban extents from nighttime light data. , 2016, , . | | 0 |
| 71 | Updating urban extents with nighttime light imagery by using an object-based thresholding method. Remote Sensing of Environment, 2016, 187, 1-13. | 4.6 | 101 |
| 72 | Evaluation of the correlation between remotely sensing-based and GIS-based anthropogenic heat discharge in Los Angeles County, USA. , 2016, , . | | 1 |

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|----|--|-----|-----------|
| 73 | Consistent land surface temperature data generation from irregularly spaced Landsat imagery. <i>Remote Sensing of Environment</i> , 2016, 184, 175-187. | 4.6 | 62 |
| 74 | Remote sensors for and sensing of urban areas: Current state and next decade. , 2016, , . | | 0 |
| 75 | Annual dynamics of impervious surface in the Pearl River Delta, China, from 1988 to 2013, using time series Landsat imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 113, 86-96. | 4.9 | 126 |
| 76 | A time series analysis of urbanization induced land use and land cover change and its impact on land surface temperature with Landsat imagery. <i>Remote Sensing of Environment</i> , 2016, 175, 205-214. | 4.6 | 357 |
| 77 | World energy consumption pattern as revealed by DMSP-OLS nighttime light imagery. <i>GIScience and Remote Sensing</i> , 2016, 53, 265-282. | 2.4 | 67 |
| 78 | Detecting urban-scale dynamics of electricity consumption at Chinese cities using time-series DMSP-OLS (Defense Meteorological Satellite Program-Operational Linescan System) nighttime light imageries. <i>Energy</i> , 2016, 100, 177-189. | 4.5 | 96 |
| 79 | High-Resolution Satellite Mapping of Fine Particulates Based on Geographically Weighted Regression. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2016, 13, 495-499. | 1.4 | 126 |
| 80 | Assessing the Impacts of Urbanization-Associated Land Use/Cover Change on Land Surface Temperature and Surface Moisture: A Case Study in the Midwestern United States. <i>Remote Sensing</i> , 2015, 7, 4880-4898. | 1.8 | 87 |
| 81 | The Role of Vegetation in Mitigating Urban Land Surface Temperatures: A Case Study of Munich, Germany during the Warm Season. <i>Sustainability</i> , 2015, 7, 4689-4706. | 1.6 | 125 |
| 82 | Improving Urban Impervious Surface Mapping by Linear Spectral Mixture Analysis and Using Spectral Indices. <i>Canadian Journal of Remote Sensing</i> , 2015, 41, 577-586. | 1.1 | 34 |
| 83 | Population Estimation of Urban Residential Communities Using Remotely Sensed Morphologic Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1111-1115. | 1.4 | 51 |
| 84 | An Automated Method to Parameterize Segmentation Scale by Enhancing Intra-segment Homogeneity and Inter-segment Heterogeneity. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1282-1286. | 1.4 | 48 |
| 85 | Model-Driven Reconstruction of 3-D Buildings Using LiDAR Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1541-1545. | 1.4 | 23 |
| 86 | Temporal Dynamics of Land Surface Temperature From Landsat TIR Time Series Images. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 2175-2179. | 1.4 | 24 |
| 87 | Modeling of Anthropogenic Heat Flux Using HJ-1B Chinese Small Satellite Image: A Study of Heterogeneous Urbanized Areas in Hong Kong. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1466-1470. | 1.4 | 60 |
| 88 | An object-based approach to delineate wetlands across landscapes of varied disturbance with high spatial resolution satellite imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 109, 30-46. | 4.9 | 80 |
| 89 | Downscaling GOES Land Surface Temperature for Assessing Heat Wave Health Risks. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015, 12, 1605-1609. | 1.4 | 17 |
| 90 | Use of earth observation data for applications in public health. <i>Geocarto International</i> , 2014, 29, 3-16. | 1.7 | 17 |

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| 91 | A comparative study of NPP-VIIRS and DMSP-OLS nighttime light imagery for derivation of urban demographic metrics. , 2014, , . | | 6 |
| 92 | Remote sensing detection of the spatial pattern of urban air pollution in Los Angeles. , 2014, , . | | 0 |
| 93 | Assessing solar potential of commercial and residential buildings in Indianapolis using LiDAR and GIS modeling. , 2014, , . | | 3 |
| 94 | Assessing Intra-Urban Surface Energy Fluxes Using Remotely Sensed ASTER Imagery and Routine Meteorological Data: A Case Study in Indianapolis, U.S.A.. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4046-4057. | 2.3 | 42 |
| 95 | Generating daily land surface temperature at Landsat resolution by fusing Landsat and MODIS data. Remote Sensing of Environment, 2014, 145, 55-67. | 4.6 | 399 |
| 96 | Modeling annual parameters of clear-sky land surface temperature variations and evaluating the impact of cloud cover using time series of Landsat TIR data. Remote Sensing of Environment, 2014, 140, 267-278. | 4.6 | 111 |
| 97 | Modeling diurnal land temperature cycles over Los Angeles using downscaled GOES imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 97, 78-88. | 4.9 | 75 |
| 98 | Urban Land Cover Classification With Airborne Hyperspectral Data: What Features to Use?. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3998-4009. | 2.3 | 54 |
| 99 | What Is Special about Global Urban Remote Sensing?. Taylor & Francis Series in Remote Sensing Applications, 2014, , 1-12. | 0.0 | 2 |
| 100 | Global Urban Observation and Information: GEOâ€™s Effort to Address the Impacts of Human Settlements. Taylor & Francis Series in Remote Sensing Applications, 2014, , 15-34. | 0.0 | 4 |
| 101 | An evaluation of fractal characteristics of urban landscape in Indianapolis, USA, using multi-sensor satellite images. International Journal of Remote Sensing, 2013, 34, 804-823. | 1.3 | 10 |
| 102 | Estimating LST Using a Vegetation-Cover-Based Thermal Sharpening Technique. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1249-1252. | 1.4 | 3 |
| 103 | Downscaling Geostationary Land Surface Temperature Imagery for Urban Analysis. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1253-1257. | 1.4 | 60 |
| 104 | Geographical applications of remote sensing. Geocarto International, 2013, 28, 561-561. | 1.7 | 1 |
| 105 | Landscape metrics for analysing urbanization-induced land use and land cover changes. Geocarto International, 2013, 28, 582-593. | 1.7 | 51 |
| 106 | Estimating Composite Curve Number Using an Improved SCS-CN Method with Remotely Sensed Variables in Guangzhou, China. Remote Sensing, 2013, 5, 1425-1438. | 1.8 | 78 |
| 107 | Special Section Guest Editorial: Advances in Remote Sensing for Monitoring Global Environmental Changes. Journal of Applied Remote Sensing, 2012, 6, 061799. | 0.6 | 0 |
| 108 | Remote sensing of impervious surfaces in the urban areas: Requirements, methods, and trends. Remote Sensing of Environment, 2012, 117, 34-49. | 4.6 | 841 |

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| 109 | Enhancing temporal resolution of satellite imagery for public health studies: A case study of West Nile Virus outbreak in Los Angeles in 2007. <i>Remote Sensing of Environment</i> , 2012, 117, 57-71. | 4.6 | 129 |
| 110 | Mapping impervious surface expansion using medium-resolution satellite image time series: a case study in the Yangtze River Delta, China. <i>International Journal of Remote Sensing</i> , 2012, 33, 7609-7628. | 1.3 | 88 |
| 111 | Environmental Factors and Risk Areas of West Nile Virus in Southern California, 2007-2009. <i>Environmental Modeling and Assessment</i> , 2012, 17, 441-452. | 1.2 | 8 |
| 112 | Estimation of the relationship between remotely sensed anthropogenic heat discharge and building energy use. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2012, 67, 65-72. | 4.9 | 90 |
| 113 | Modeling Urban Heat Islands and Their Relationship With Impervious Surface and Vegetation Abundance by Using ASTER Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4080-4089. | 2.7 | 113 |
| 114 | Impervious surface area extraction from IKONOS imagery using an object-based fuzzy method. <i>Geocarto International</i> , 2011, 26, 3-20. | 1.7 | 91 |
| 115 | Identification and analysis of urban surface temperature patterns in Greater Athens, Greece, using MODIS imagery. <i>Remote Sensing of Environment</i> , 2011, 115, 3080-3090. | 4.6 | 110 |
| 116 | Collective Sensing: Integrating Geospatial Technologies to Understand Urban Systems—An Overview. <i>Remote Sensing</i> , 2011, 3, 1743-1776. | 1.8 | 99 |
| 117 | Simulating the impacts of future land use and climate changes on surface water quality in the Des Plaines River watershed, Chicago Metropolitan Statistical Area, Illinois. <i>Science of the Total Environment</i> , 2011, 409, 4387-4405. | 3.9 | 129 |
| 118 | Geographic incidence of human West Nile virus in northern Virginia, USA, in relation to incidence in birds and variations in urban environment. <i>Science of the Total Environment</i> , 2011, 409, 4235-4241. | 3.9 | 22 |
| 119 | Assessing Urban Environmental Quality Change of Indianapolis, United States, by the Remote Sensing and GIS Integration. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2011, 4, 43-55. | 2.3 | 77 |
| 120 | Per-pixel vs. object-based classification of urban land cover extraction using high spatial resolution imagery. <i>Remote Sensing of Environment</i> , 2011, 115, 1145-1161. | 4.6 | 1,040 |
| 121 | Estimating impervious surfaces from medium spatial resolution imagery: a comparison between fuzzy classification and LSMA. <i>International Journal of Remote Sensing</i> , 2011, 32, 5645-5663. | 1.3 | 22 |
| 122 | Fine-scale population estimation: how Landsat ETM+ imagery can improve population distribution mapping. <i>Canadian Journal of Remote Sensing</i> , 2010, 36, 155-165. | 1.1 | 14 |
| 123 | Assessing Surface Water Quality and Its Relation with Urban Land Cover Changes in the Lake Calumet Area, Greater Chicago. <i>Environmental Management</i> , 2010, 45, 1096-1111. | 1.2 | 112 |
| 124 | Bias-corrected rational polynomial coefficients for high accuracy geo-positioning of QuickBird stereo imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2010, 65, 218-226. | 4.9 | 106 |
| 125 | Analysis of surface radiation budget during the summer and winter in the metropolitan area of Beijing, China. <i>Journal of Applied Remote Sensing</i> , 2010, 4, 043513. | 0.6 | 18 |
| 126 | Estimation of impervious surfaces of Beijing, China, with spectral normalized images using linear spectral mixture analysis and artificial neural network. <i>Geocarto International</i> , 2010, 25, 231-253. | 1.7 | 10 |

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| 127 | Spatio-temporal modelling and analysis of urban heat islands by using Landsat TM and ETM+ imagery. <i>International Journal of Remote Sensing</i> , 2009, 30, 3531-3548. | 1.3 | 69 |
| 128 | Geometric Processing of QuickBird Stereo Imageries for Urban Land Use Mapping: A Case Study in Shanghai, China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009, 2, 61-66. | 2.3 | 23 |
| 129 | Foreword to the Issue on Remote Sensing of Regional Land Use and Land Cover. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009, 2, 50-53. | 2.3 | 4 |
| 130 | An examination of the effect of landscape pattern, land surface temperature, and socioeconomic conditions on WNV dissemination in Chicago. <i>Environmental Monitoring and Assessment</i> , 2009, 159, 143-161. | 1.3 | 40 |
| 131 | Urban heat island monitoring and analysis using a non-parametric model: A case study of Indianapolis. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009, 64, 86-96. | 4.9 | 144 |
| 132 | Thermal infrared remote sensing for urban climate and environmental studies: Methods, applications, and trends. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2009, 64, 335-344. | 4.9 | 883 |
| 133 | Estimating impervious surfaces from medium spatial resolution imagery using the self-organizing map and multi-layer perceptron neural networks. <i>Remote Sensing of Environment</i> , 2009, 113, 2089-2102. | 4.6 | 232 |
| 134 | Spatial-temporal dynamics of land surface temperature in relation to fractional vegetation cover and land use/cover in the Tabriz urban area, Iran. <i>Remote Sensing of Environment</i> , 2009, 113, 2606-2617. | 4.6 | 359 |
| 135 | Estimating impervious surfaces using linear spectral mixture analysis with multitemporal ASTER images. <i>International Journal of Remote Sensing</i> , 2009, 30, 4807-4830. | 1.3 | 88 |
| 136 | Extraction of urban impervious surfaces from an IKONOS image. <i>International Journal of Remote Sensing</i> , 2009, 30, 1297-1311. | 1.3 | 155 |
| 137 | Landscape as a continuum: an examination of the urban landscape structures and dynamics of Indianapolis City, 1991-2000, by using satellite images. <i>International Journal of Remote Sensing</i> , 2009, 30, 2547-2577. | 1.3 | 51 |
| 138 | Application of Association Rule Mining for Exploring the Relationship between Urban Land Surface Temperature and Biophysical/Social Parameters. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009, 75, 385-396. | 0.3 | 27 |
| 139 | Scaling Effect on the Relationship between Landscape Pattern and Land Surface Temperature. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009, 75, 291-304. | 0.3 | 103 |
| 140 | Seasonal variations in the relationship between landscape pattern and land surface temperature in Indianapolis, USA. <i>Environmental Monitoring and Assessment</i> , 2008, 144, 199-219. | 1.3 | 122 |
| 141 | Spatio-temporal analysis of the relationship between WNV dissemination and environmental variables in Indianapolis, USA. <i>International Journal of Health Geographics</i> , 2008, 7, 66. | 1.2 | 43 |
| 142 | Medium Spatial Resolution Satellite Imagery for Estimating and Mapping Urban Impervious Surfaces Using LSMA and ANN. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 2397-2406. | 2.7 | 127 |
| 143 | Introduction to the Issue on Remote Sensing of Human Settlements: Status and Challenges. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2008, 1, 82-86. | 2.3 | 12 |
| 144 | The Spatial Variations of Urban Land Surface Temperatures: Pertinent Factors, Zoning Effect, and Seasonal Variability. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2008, 1, 154-166. | 2.3 | 83 |

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