

# Hanqiu Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

5,266  
citations

394421  
19  
h-index

395702  
33  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of normalised difference water index (NDWI) to enhance open water features in remotely sensed imagery. <i>International Journal of Remote Sensing</i> , 2006, 27, 3025-3033.	2.9	3,361
2	A new remote sensing index for assessing the spatial heterogeneity in urban ecological quality: A case from Fuzhou City, China. <i>Ecological Indicators</i> , 2018, 89, 11-21.	6.3	294
3	Analysis of Impervious Surface and its Impact on Urban Heat Environment using the Normalized Difference Impervious Surface Index (NDISI). <i>Photogrammetric Engineering and Remote Sensing</i> , 2010, 76, 557-565.	0.6	270
4	Prediction of ecological effects of potential population and impervious surface increases using a remote sensing based ecological index (RSEI). <i>Ecological Indicators</i> , 2018, 93, 730-740.	6.3	234
5	Detecting Ecological Changes with a Remote Sensing Based Ecological Index (RSEI) Produced Time Series and Change Vector Analysis. <i>Remote Sensing</i> , 2019, 11, 2345.	4.0	220
6	Extraction of Urban Built-up Land Features from Landsat Imagery Using a Thematicoriented Index Combination Technique. <i>Photogrammetric Engineering and Remote Sensing</i> , 2007, 73, 1381-1391.	0.6	184
7	Urban Expansion and Heat Island Dynamics in the Quanzhou Region, China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009, 2, 74-79.	4.9	83
8	The impact of impervious surface development on land surface temperature in a subtropical city: Xiamen, China. <i>International Journal of Climatology</i> , 2013, 33, 1873-1883.	3.5	76
9	A new remote sensing index based on the pressure-state-response framework to assess regional ecological change. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5381-5393.	5.3	65
10	Derivation of Tasseled Cap Transformation Coefficients for Sentinel-2 MSI At-Sensor Reflectance Data. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4038-4048.	4.9	43
11	Rule-based impervious surface mapping using high spatial resolution imagery. <i>International Journal of Remote Sensing</i> , 2013, 34, 27-44.	2.9	41
12	Estimating ground-level PM2.5 over a coastal region of China using satellite AOD and a combined model. <i>Journal of Cleaner Production</i> , 2019, 227, 472-482.	9.3	39
13	Estimating PM2.5 concentrations in Yangtze River Delta region of China using random forest model and the Top-of-Atmosphere reflectance. <i>Journal of Environmental Management</i> , 2020, 272, 111061.	7.8	36
14	Development of a fine-scale discomfort index map and its application in measuring living environments using remotely-sensed thermal infrared imagery. <i>Energy and Buildings</i> , 2017, 150, 598-607.	6.7	35
15	Predicting effect of forthcoming population growth-induced impervious surface increase on regional thermal environment: Xiong'an New Area, North China. <i>Building and Environment</i> , 2018, 136, 98-106.	6.9	27
16	Built-up land mapping capabilities of the ASTER and Landsat ETM+ sensors in coastal areas of southeastern China. <i>Advances in Space Research</i> , 2013, 52, 1437-1449.	2.6	26
17	Characterizing bi-temporal patterns of land surface temperature using landscape metrics based on sub-pixel classifications from Landsat TM/ETM+. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 42, 87-96.	2.8	26
18	Assessment of consistency in forest-dominated vegetation observations between ASTER and Landsat ETM+ images in subtropical coastal areas of southeastern China. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 1-9.	4.8	20

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19	Incorporating residual temperature and specific humidity in predicting weather-dependent warm-season electricity consumption. <i>Environmental Research Letters</i> , 2017, 12, 024021.	5.2	19
20	Impervious Surface Information Extraction Based on Hyperspectral Remote Sensing Imagery. <i>Remote Sensing</i> , 2017, 9, 550.	4.0	19
21	A Remote Sensing Based Method to Detect Soil Erosion in Forests. <i>Remote Sensing</i> , 2019, 11, 513.	4.0	19
22	Remote sensing-based assessment of vegetation damage by a strong typhoon (Meranti) in Xiamen Island, China. <i>Natural Hazards</i> , 2018, 93, 1231-1249.	3.4	18
23	Lockdown effects on total suspended solids concentrations in the Lower Min River (China) during COVID-19 using time-series remote sensing images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 98, 102301.	2.8	18
24	The impact of building height on urban thermal environment in summer: A case study of Chinese megacities. <i>PLoS ONE</i> , 2021, 16, e0247786.	2.5	16
25	Markov chain analysis of vertical facies sequences using a computer software package (SAVFS): Courtmacsherry Formation (Tournaisian), Southern Ireland. <i>Computers and Geosciences</i> , 1998, 24, 131-139.	4.2	14
26	Spatial variability of urban climate in response to quantitative trait of land cover based on GWR model. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 194.	2.7	13
27	Dynamic of soil exposure intensity and its effect on thermal environment change. <i>International Journal of Climatology</i> , 2014, 34, 902-910.	3.5	11
28	Estimating spatial variability of ground-level PM2.5 based on a satellite-derived aerosol optical depth product: Fuzhou, China. <i>Atmospheric Pollution Research</i> , 2018, 9, 1194-1203.	3.8	11
29	Anthropogenic Heat Flux Estimation Based on Luojia 1-01 New Nighttime Light Data: A Case Study of Jiangsu Province, China. <i>Remote Sensing</i> , 2020, 12, 3707.	4.0	10
30	Estimating PM2.5 concentrations in contiguous eastern coastal zone of China using MODIS AOD and a two-stage random forest model. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021, , .	1.3	5
31	Fast Extraction of Built-up Land Information from Remote Sensing Imagery. <i>Geo-information Science</i> , 2010, 12, 574-579.	0.1	4
32	Comparison of Landsat-7 ETM+ and ASTER NDVI measurements. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
33	A study on the quantitative relationship between impervious surface and land surface temperature based on remote sensing technology. , 2016, , .		2
34	Automatic Absolute Radiometric Normalization of Satellite Imagery with ENVI/IDL Programming. , 2009, , .		1
35	The influence of urban reconstruction in urban heat island effect: Cangxia area of Fuzhou City, China. , 2010, , .		1
36	Remote sensing of urban expansion and heat island effect in Jinjiang estuary area of Fujian, China. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Urban major road extraction from IKONOS imagery based on modified texture progressing analysis technique. Proceedings of SPIE, 2009, , .	0.8	0
38	Remote sensing of impervious surface dynamics of Xiamen City, southeastern China. , 2011, , .		0
39	Urban road network extraction from IKONOS imagery based on multi-resolution analysis. , 2016, , .		0