

Yongming Xu

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,227
citations

394286

19
h-index

395590

33
g-index

48
all docs

48
docs citations

48
times ranked

1481
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping maximum urban air temperature on hot summer days. <i>Remote Sensing of Environment</i> , 2014, 154, 38-45.	4.6	163
2	A comparison of urban heat islands mapped using skin temperature, air temperature, and apparent temperature (Humidex), for the greater Vancouver area. <i>Science of the Total Environment</i> , 2016, 544, 929-938.	3.9	136
3	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM2.5. <i>Environmental Pollution</i> , 2018, 242, 1417-1426.	3.7	125
4	Reconstruction of the land surface temperature time series using harmonic analysis. <i>Computers and Geosciences</i> , 2013, 61, 126-132.	2.0	94
5	Estimating daily maximum air temperature from MODIS in British Columbia, Canada. <i>International Journal of Remote Sensing</i> , 2014, 35, 8108-8121.	1.3	88
6	Revisiting Recent Elevation-Dependent Warming on the Tibetan Plateau Using Satellite-Based Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8511-8521.	1.2	54
7	Progressive Distributed and Parallel Similarity Retrieval of Large CT Image Sequences in Mobile Telemedicine Networks. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-13.	0.8	54
8	Spatial and Temporal Variations of Land Surface Temperature Over the Tibetan Plateau Based on Harmonic Analysis. <i>Mountain Research and Development</i> , 2013, 33, 85-94.	0.4	53
9	Mapping Monthly Air Temperature in the Tibetan Plateau From MODIS Data Based on Machine Learning Methods. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 345-354.	2.3	53
10	Study on the estimation of near-surface air temperature from MODIS data by statistical methods. <i>International Journal of Remote Sensing</i> , 2012, 33, 7629-7643.	1.3	49
11	Assessment of surface urban heat island across China's three main urban agglomerations. <i>Theoretical and Applied Climatology</i> , 2018, 133, 473-488.	1.3	46
12	Warming over the Tibetan Plateau in the last 55 years based on area-weighted average temperature. <i>Regional Environmental Change</i> , 2017, 17, 2339-2347.	1.4	39
13	A Review of Reconstructing Remotely Sensed Land Surface Temperature under Cloudy Conditions. <i>Remote Sensing</i> , 2021, 13, 2838.	1.8	32
14	Satellite data reveal southwestern Tibetan plateau cooling since 2001 due to snow-albedo feedback. <i>International Journal of Climatology</i> , 2020, 40, 1644-1655.	1.5	31
15	Impacts of urban spatial layout and scale on local climate: A case study in Beijing. <i>Sustainable Cities and Society</i> , 2021, 68, 102767.	5.1	31
16	Spatial and Temporal Dynamics of Urban Heat Island and Their Relationship with Land Cover Changes in Urbanization Process: A Case Study in Suzhou, China. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 654-663.	1.2	25
17	Mapping ambient light at night using field observations and high-resolution remote sensing imagery for studies of urban environments. <i>Building and Environment</i> , 2018, 145, 104-114.	3.0	22
18	Monitoring the Near-surface Urban Heat Island in Beijing, China by Satellite Remote Sensing. <i>Geographical Research</i> , 2015, 53, 16-25.	0.9	20

#	ARTICLE	IF	CITATIONS
19	Population Spatialization in Beijing City Based on Machine Learning and Multisource Remote Sensing Data. <i>Remote Sensing</i> , 2020, 12, 1910.	1.8	20
20	Poverty Mapping in the Dian-Gui-Qian Contiguous Extremely Poor Area of Southwest China Based on Multi-Source Geospatial Data. <i>Sustainability</i> , 2021, 13, 8717.	1.6	13
21	Comparative assessment of gridded population data sets for complex topography: a study of Southwest China. <i>Population and Environment</i> , 2021, 42, 360-378.	1.3	10
22	Investigation of Nighttime Light Pollution in Nanjing, China by Mapping Illuminance from Field Observations and Luojia 1-01 Imagery. <i>Sustainability</i> , 2020, 12, 681.	1.6	10
23	Downscaling Hourly Air Temperature of WRF Simulations Over Complex Topography: A Case Study of Chongli District in Hebei Province, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	9
24	Study on the Spatial Pattern of an Extreme Heat Event by Remote Sensing: A Case Study of the 2013 Extreme Heat Event in the Yangtze River Delta, China. <i>Sustainability</i> , 2020, 12, 4415.	1.6	6
25	Inversion Study of Heavy Metals in Soils of Potentially Polluted Sites Based on UAV Hyperspectral Data and Machine Learning Algorithms. , 2021, , .		6
26	Spatial Prediction of COVID-19 in China Based on Machine Learning Algorithms and Geographically Weighted Regression. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-13.	0.7	6
27	The prediction of nitrogen concentration in soil by VNIR reflectance spectrum. , 0, , .		4
28	Estimates of carbon fluxes from Poyang Lake wetlands vegetation in the growing season. <i>Proceedings of SPIE</i> , 2010, , .	0.8	4
29	Extraction mechanism of alteration zones using ASTER imagery. , 0, , .		3
30	An Observational Study on the Local Climate Effect of the Shangyi Wind Farm in Hebei Province. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1905-1919.	1.9	3
31	Research on regional land cover mapping of the Yangtze River Delta using MODIS 250m data. <i>Proceedings of SPIE</i> , 2007, , .	0.8	2
32	Comparative Analysis of Urban Heat Island and Associated Land Cover Change Based in Suzhou City Using Landsat Data. , 2008, , .		2
33	Fog Detection Using MODIS Data in the Yangtze River Delta. , 2008, , .		2
34	Mapping a pollution index for the transboundary Red River Valley, Asia, 2009â€“2011. <i>Journal of Maps</i> , 2015, 11, 396-404.	1.0	2
35	Spatiotemporal Variations in the Urban Heat Islands across the Coastal Cities in the Yangtze River Delta, China. <i>Marine Geodesy</i> , 2021, 44, 467-484.	0.9	2
36	Step-By-Step Downscaling of Land Surface Temperature Considering Urban Spatial Morphological Parameters. <i>Remote Sensing</i> , 2022, 14, 3038.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Evaluation of various classifiers on regional land cover classification using MODIS data. , 0, , .		1
38	The characteristics of spatial and temporal variations of land surface temperature in the Yangtze River Delta. , 2009, , .		1
39	Monitoring vegetation dynamics with SPOT-VEGETATION NDVI time-series data in Tarim Basin, Xinjiang, China. , 2009, , .		1
40	A Semi-Empirical Split-Window Algorithm for Retrieving near Surface Air Temperature from MODIS Data. Canadian Journal of Remote Sensing, 2019, 45, 733-745.	1.1	1
41	Influence of the urban spatial layout of central Beijing on the atmospheric humidity field. Theoretical and Applied Climatology, 2021, 145, 455-471.	1.3	1
42	Possibilities of Multi-spectral Data for the Assessment of Soil Nitrogen Content. , 2006, , .		0
43	Possibilities of reflectance spectra data for the assessment of soil potassium concentration. , 2009, , .		0
44	Temporal and spatial characteristics of atmospheric methane in the Yangtze River basin and the analysis of the main environmental impact factors. , 2010, , .		0
45	Retrieval of aerosol optical depth over the Yangtze River Delta with HJ-1 data. Proceedings of SPIE, 2014, , .	0.8	0