

Yongming Xu

List of Publications by Year in descending order

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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	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
2	Step-By-Step Downscaling of Land Surface Temperature Considering Urban Spatial Morphological Parameters. <i>Remote Sensing</i> , 2022, 14, 3038.	1.8	2
3	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
4	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
5	Inversion Study of Heavy Metals in Soils of Potentially Polluted Sites Based on UAV Hyperspectral Data and Machine Learning Algorithms. , 2021, , .		6
6	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
7	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
8	Influence of the urban spatial layout of central Beijing on the atmospheric humidity field. <i>Theoretical and Applied Climatology</i> , 2021, 145, 455-471.	1.3	1
9	A Review of Reconstructing Remotely Sensed Land Surface Temperature under Cloudy Conditions. <i>Remote Sensing</i> , 2021, 13, 2838.	1.8	32
10	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
11	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
12	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
13	Satellite data reveal southwestern Tibetan plateau cooling since 2001 due to snowâ€lbedo feedback. <i>International Journal of Climatology</i> , 2020, 40, 1644-1655.	1.5	31
14	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
15	Population Spatialization in Beijing City Based on Machine Learning and Multisource Remote Sensing Data. <i>Remote Sensing</i> , 2020, 12, 1910.	1.8	20
16	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
17	Revisiting Recent Elevationâ€Dependent Warming on the Tibetan Plateau Using Satelliteâ€Based Data Sets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8511-8521.	1.2	54
18	A Semi-Empirical Split-Window Algorithm for Retrieving near Surface Air Temperature from MODIS Data. <i>Canadian Journal of Remote Sensing</i> , 2019, 45, 733-745.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Mapping Monthly Air Temperature in the Tibetan Plateau From MODIS Data Based on Machine Learning Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 345-354.	2.3	53
20	Assessment of surface urban heat island across China's three main urban agglomerations. Theoretical and Applied Climatology, 2018, 133, 473-488.	1.3	46
21	Mapping ambient light at night using field observations and high-resolution remote sensing imagery for studies of urban environments. Building and Environment, 2018, 145, 104-114.	3.0	22
22	Evaluation of machine learning techniques with multiple remote sensing datasets in estimating monthly concentrations of ground-level PM2.5. Environmental Pollution, 2018, 242, 1417-1426.	3.7	125
23	Warming over the Tibetan Plateau in the last 55 years based on area-weighted average temperature. Regional Environmental Change, 2017, 17, 2339-2347.	1.4	39
24	A comparison of urban heat islands mapped using skin temperature, air temperature, and apparent temperature (Humidex), for the greater Vancouver area. Science of the Total Environment, 2016, 544, 929-938.	3.9	136
25	Mapping a pollution index for the transboundary Red River Valley, Asia, 2009-2011. Journal of Maps, 2015, 11, 396-404.	1.0	2
26	Monitoring the Near-surface Urban Heat Island in Beijing, China by Satellite Remote Sensing. Geographical Research, 2015, 53, 16-25.	0.9	20
27	Retrieval of aerosol optical depth over the Yangtze River Delta with HJ-1 data. Proceedings of SPIE, 2014, , .	0.8	0
28	Estimating daily maximum air temperature from MODIS in British Columbia, Canada. International Journal of Remote Sensing, 2014, 35, 8108-8121.	1.3	88
29	Mapping maximum urban air temperature on hot summer days. Remote Sensing of Environment, 2014, 154, 38-45.	4.6	163
30	Reconstruction of the land surface temperature time series using harmonic analysis. Computers and Geosciences, 2013, 61, 126-132.	2.0	94
31	Spatial and Temporal Variations of Land Surface Temperature Over the Tibetan Plateau Based on Harmonic Analysis. Mountain Research and Development, 2013, 33, 85-94.	0.4	53
32	Study on the estimation of near-surface air temperature from MODIS data by statistical methods. International Journal of Remote Sensing, 2012, 33, 7629-7643.	1.3	49
33	Spatial and Temporal Dynamics of Urban Heat Island and Their Relationship with Land Cover Changes in Urbanization Process: A Case Study in Suzhou, China. Journal of the Indian Society of Remote Sensing, 2010, 38, 654-663.	1.2	25
34	Estimates of carbon fluxes from Poyang Lake wetlands vegetation in the growing season. Proceedings of SPIE, 2010, , .	0.8	4
35	Temporal and spatial characteristics of atmospheric methane in the Yangtze River basin and the analysis of the main environmental impact factors. , 2010, , .		0
36	Possibilities of reflectance spectra data for the assessment of soil potassium concentration. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	The characteristics of spatial and temporal variations of land surface temperature in the Yangtze River Delta. , 2009, , .		1
38	Monitoring vegetation dynamics with SPOT-VEGETATION NDVI time-series data in Tarim Basin, Xinjiang, China. , 2009, , .		1
39	Comparative Analysis of Urban Heat Island and Associated Land Cover Change Based in Suzhou City Using Landsat Data. , 2008, , .		2
40	Fog Detection Using MODIS Data in the Yangtze River Delta. , 2008, , .		2
41	Research on regional land cover mapping of the Yangtze River Delta using MODIS 250m data. Proceedings of SPIE, 2007, , .	0.8	2
42	Possibilities of Multi-spectral Data for the Assessment of Soil Nitrogen Content. , 2006, , .		0
43	Extraction mechanism of alteration zones using ASTER imagery. , 0, , .		3
44	Evaluation of various classifiers on regional land cover classification using MODIS data. , 0, , .		1
45	The prediction of nitrogen concentration in soil by VNIR reflectance spectrum. , 0, , .		4