

# Fan Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

630  
citations

471509

17  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of typical diurnal patterns for clear-sky climatology of surface urban heat islands. Remote Sensing of Environment, 2018, 217, 203-220.	11.0	80
2	Temporal upscaling of surface urban heat island by incorporating an annual temperature cycle model: A tale of two cities. Remote Sensing of Environment, 2016, 186, 1-12.	11.0	66
3	Simultaneous investigation of surface and canopy urban heat islands over global cities. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 181, 67-83.	11.1	47
4	Balancing prediction accuracy and generalization ability: A hybrid framework for modelling the annual dynamics of satellite-derived land surface temperatures. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 189-206.	11.1	45
5	Does quality control matter? Surface urban heat island intensity variations estimated by satellite-derived land surface temperature products. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 139, 212-227.	11.1	43
6	Meteorological controls on daily variations of nighttime surface urban heat islands. Remote Sensing of Environment, 2021, 253, 112198.	11.0	34
7	Disaggregation of remotely sensed land surface temperature: A new dynamic methodology. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,538.	3.3	32
8	Comprehensive assessment of four-parameter diurnal land surface temperature cycle models under clear-sky. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 142, 190-204.	11.1	32
9	Enhanced Modeling of Annual Temperature Cycles with Temporally Discrete Remotely Sensed Thermal Observations. Remote Sensing, 2018, 10, 650.	4.0	27
10	A generic framework for modeling diurnal land surface temperatures with remotely sensed thermal observations under clear sky. Remote Sensing of Environment, 2014, 150, 140-151.	11.0	26
11	Improved reconstruction of soil thermal field using two-depth measurements of soil temperature. Journal of Hydrology, 2014, 519, 711-719.	5.4	24
12	A simple yet robust framework to estimate accurate daily mean land surface temperature from thermal observations of tandem polar orbiters. Remote Sensing of Environment, 2021, 264, 112612.	11.0	24
13	Urban Heat Islands Significantly Reduced by COVID-19 Lockdown. Geophysical Research Letters, 2022, 49, .	4.0	24
14	Taxonomy of seasonal and diurnal clear-sky climatology of surface urban heat island dynamics across global cities. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 187, 14-33.	11.1	23
15	Satellite identification of atmospheric-surface-subsurface urban heat islands under clear sky. Remote Sensing of Environment, 2020, 250, 112039.	11.0	21
16	Global comparison of diverse scaling factors and regression models for downscaling Landsat-8 thermal data. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 44-56.	11.1	20
17	Localization or Globalization? Determination of the Optimal Regression Window for Disaggregation of Land Surface Temperature. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 477-490.	6.3	18
18	Positive or Negative? Urbanization-Induced Variations in Diurnal Skin-Surface Temperature Range Detected Using Satellite Data. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,229.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Reconciling Debates on the Controls on Surface Urban Heat Island Intensity: Effects of Scale and Sampling. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094485.	4.0	10
20	A global dataset of spatiotemporally seamless daily mean land surface temperatures: generation, validation, and analysis. <i>Earth System Science Data</i> , 2022, 14, 3091-3113.	9.9	10
21	Disaggregation of remotely sensed land surface temperature: A simple yet flexible index (SIFI) to assess method performances. <i>Remote Sensing of Environment</i> , 2017, 200, 206-219.	11.0	9
22	Long-Term and Fine-Scale Surface Urban Heat Island Dynamics Revealed by Landsat Data Since the 1980s: A Comparison of Four Megacities in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	4