Hui Xu

List of Publications by Year
in descending order

24 papers	810 citations	759233 12 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	1064 citing authors

#	Article	IF	Citations
1	Intercalibration of vegetation indices from different sensor systems. Remote Sensing of Environment, 2003, 88, 412-422.	11.0	306
2	Developing Algorithm for Operational GOES-R Land Surface Temperature Product. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 936-951.	6.3	89
3	Intersatellite Radiance Biases for the High-Resolution Infrared Radiation Sounders (HIRS) on board NOAA-15, -16, and -17 from Simultaneous Nadir Observations. Journal of Atmospheric and Oceanic Technology, 2005, 22, 381-395.	1.3	76
4	Validation of GOES-R Satellite Land Surface Temperature Algorithm Using SURFRAD Ground Measurements and Statistical Estimates of Error Properties. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 704-713.	6.3	67
5	The single scattering properties of soot aggregates with concentric coreâ€“shell spherical monomers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 135, 9-19.	2.3	42
6	Aerosol Optical Depth Retrieval over East Asia Using Himawari-8/AHI Data. Remote Sensing, 2018, 10, 137.	4.0	39
7	Single scattering properties of semi-embedded soot morphologies with intersecting and non-intersecting surfaces of absorbing spheres and non-absorbing host. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 157, 1-13.	2.3	28
8	Assessment of OMI nearâ€UV aerosol optical depth over Central and East Asia. Journal of Geophysical Research D: Atmospheres, 2016, 121, 382-398.	3.3	25
9	Evaluation of GOES-R Land Surface Temperature Algorithm Using SEVIRI Satellite Retrievals With <italic>In Situ</italic> Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 3812-3822.	6.3	23
10	The Reprocessed Suomi NPP Satellite Observations. Remote Sensing, 2020, 12, 2891.	4.0	23
11	Assessment of Himawari-8 AHI Aerosol Optical Depth Over Land. Remote Sensing, 2019, 11, 1108.	4.0	17
12	New Retrieval Algorithm for Deriving Land Surface Temperature From Geostationary Orbiting Satellite Observations. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 819-828.	6.3	13
13	Spatiotemporal variability in dust observed over the Sinkiang and Inner Mongolia regions of Northern China. Atmospheric Pollution Research, 2015, 6, 562-571.	3.8	12
14	Cross-Track Infrared Sounder Spectral Gap Filling Toward Improving Intercalibration Uncertainties. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 509-519.	6.3	9
15	Classifying Aerosols Based on Fuzzy Clustering and Their Optical and Microphysical Properties Study in Beijing, China. Advances in Meteorology, 2017, 2017, 1-18.	1.6	8
16	Analysis of vegetation index NDVI anisotropy to improve the accuracy of the GOES-R green vegetation fraction product. , 2010, , .		6
17	New Asia Dust Storm Detection Method Based on the Thermal Infrared Spectral Signature. Remote Sensing, 2015, 7, 51-71.	4.0	6
18	Variability in Dust Observed over China Using A-Train CALIOP Instrument. Advances in Meteorology, 2016, 2016, 1-11.	1.6	6

#	Article	IF	Citations
19	Postâ€Millennium Atmospheric Temperature Trends Observed From Satellites in Stable Orbits. Geophysical Research Letters, 2021, 48, e2021GL093291.	4.0	6
20	Dust Identification over Arid and Semiarid Regions of Asia Using AIRS Thermal Infrared Channels. Advances in Meteorology, 2014, 2014, 1-16.	1.6	4
21	A twin-channel difference model for cross-calibration of thermal infrared band. Science China Technological Sciences, 2012, 55, 2048-2056.	4.0	3
22	Hyperspectral Infrared Sounder Cloud Detection Using Deep Neural Network Model. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
23	Algorithm development for land surface temperature measurement from GOES-R satellite. Proceedings of SPIE, 2007, , .	0.8	0
24	The research of remote sensing duststorm with FY-3B three infrared channels. Proceedings of SPIE, 2012, , .	0.8	0