

Likun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,063
citations

471509

17
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	Suomi NPP CrIS measurements, sensor data record algorithm, calibration and validation activities, and record data quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,734.	3.3	181
2	The Global Space-Based Inter-Calibration System. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 467-475.	3.3	161
3	Suomi NPP CrIS radiometric calibration uncertainty. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,589.	3.3	79
4	Consistency assessment of Atmospheric Infrared Sounder and Infrared Atmospheric Sounding Interferometer radiances: Double differences versus simultaneous nadir overpasses. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	60
5	Geolocation assessment for CrIS sensor data records. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,690.	3.3	58
6	Comparison of AIRS and IASI Radiances Using GOES Imagers as Transfer Radiometers toward Climate Data Records. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 478-492.	1.5	50
7	Construction of Stratospheric Temperature Data Records from Stratospheric Sounding Units. <i>Journal of Climate</i> , 2012, 25, 2931-2946.	3.2	41
8	On-Orbit Calibration Assessment of AVHRR Longwave Channels on MetOp-A Using IASI. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 4005-4013.	6.3	38
9	Recalibration and merging of SSU observations for stratospheric temperature trend studies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,180.	3.3	35
10	Fast and Accurate Collocation of the Visible Infrared Imaging Radiometer Suite Measurements with Cross-Track Infrared Sounder. <i>Remote Sensing</i> , 2016, 8, 76.	4.0	35
11	Assessing NOAA-16 HIRS Radiance Accuracy Using Simultaneous Nadir Overpass Observations from AIRS. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 1546-1561.	1.3	34
12	Radiometric consistency assessment of hyperspectral infrared sounders. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4831-4844.	3.1	32
13	Instantaneous cloud overlap statistics in the tropical area revealed by ICESat/GLAS data. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	30
14	Spectral Bias Estimation of Historical HIRS Using IASI Observations for Improved Fundamental Climate Data Records. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1378-1387.	1.3	28
15	Diurnal and Scan Angle Variations in the Calibration of GOES Imager Infrared Channels. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 671-683.	6.3	23
16	Improved scheme for Cross-Track Infrared Sounder geolocation assessment and optimization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 519-536.	3.3	22
17	Intercalibration of GOES-11 and GOES-12 Water Vapor Channels with MetOp IASI Hyperspectral Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1843-1855.	1.3	21
18	A Midlatitude Cirrus Cloud Climatology from the Facility for Atmospheric Remote Sensing. Part V: Cloud Structural Properties. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 2483-2501.	1.7	17

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19	Wavelet Analysis of Cirrus Multiscale Structures from Lidar Backscattering: A Cirrus Uncinus Complex Case Study. <i>Journal of Applied Meteorology and Climatology</i> , 2008, 47, 2645-2658.	1.5	17
20	Inter-comparison of NPP/CrIS radiances with VIIRS, AIRS, and IASI: a post-launch calibration assessment. <i>Proceedings of SPIE</i> , 2012, , .	0.8	15
21	Inter-Comparing SNPP and NOAA-20 CrIS Toward Measurement Consistency and Climate Data Records. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 2024-2031.	4.9	14
22	Cirrus Mammatus Properties Derived from an Extended Remote Sensing Dataset. <i>Journals of the Atmospheric Sciences</i> , 2006, 63, 712-725.	1.7	12
23	Effects of Ice Decontamination on GOES-12 Imager Calibration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013, 51, 1224-1230.	6.3	10
24	Impacts of field of view configuration of Cross-track Infrared Sounder on clear-sky observations. <i>Applied Optics</i> , 2016, 55, 7113.	2.1	10
25	Cross-Track Infrared Sounder Spectral Gap Filling Toward Improving Intercalibration Uncertainties. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 509-519.	6.3	9
26	CrIS SDR calibration and validation status and NOAA-STAR related activities. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
27	Intercomparison of SSU temperature data records with Lidar, GPS RO, and MLS observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1747-1759.	3.3	3
28	Improved Lunar Intrusion Detection Algorithm for the CrIS Sensor Data Record. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 1134-1145.	6.3	3
29	Reprocessing of Suomi NPP CrIS Sensor Data Records to Improve the Radiometric and Spectral Long-Term Accuracy and Stability. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	3
30	Evaluating the consistency and continuity of pixel-scale cloud property data records from Aqua and SNPP (Suomi National Polar-orbiting Partnership). <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2099-2123.	3.1	3
31	Assessment of reanalysis datasets using AIRS and IASI hyperspectral radiances. , 2010, , .		2
32	Summertime Continental Shallow Cumulus Cloud Detection Using GOES-16 Satellite and Ground-Based Stereo Cameras at the DOE ARM Southern Great Plains Site. <i>Remote Sensing</i> , 2021, 13, 2309.	4.0	2
33	A Snowfall Detection Algorithm for ATMS Over Ocean, Sea Ice, and Coast. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 1411-1420.	4.9	2
34	How Does Land Cover and Its Heterogeneity Length Scales Affect the Formation of Summertime Shallow Cumulus Clouds in Observations From the US Southern Great Plains?. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
35	New Reprocessing towards Life-Time Quality-Consistent Suomi NPP OMPS Nadir Sensor Data Records (SDR): Calibration Improvements and Impact Assessments on Long-Term Quality Stability of OMPS SDR Data Sets. <i>Remote Sensing</i> , 2022, 14, 3125.	4.0	1
36	Geolocation Assessment and Optimization for OMPS Nadir Mapper: Methodology. <i>Remote Sensing</i> , 2022, 14, 3040.	4.0	1

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37	Using IASI observations to resolve HIRS spectral response function induced intersatellite biases. Proceedings of SPIE, 2008, , .	0.8	0
38	Combination of VIIRS measurements and products with CrIS toward extending data utilization. , 2016, , .		0
39	Linking SNPP and NOAA-20 Cris Toward Measurement Consistency and Climate Data Records. , 2018, , .		0
40	Using Collocated VIIRS Observations for CrIS Scene Characterization toward Extending Data Utilization. , 2016, , .		0