

Likun Wang

List of Publications by Year in descending order

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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	Reprocessing of Suomi NPP CrIS Sensor Data Records to Improve the Radiometric and Spectral Long-Term Accuracy and Stability. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	3
2	A Snowfall Detection Algorithm for ATMS Over Ocean, Sea Ice, and Coast. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1411-1420.	4.9	2
3	Evaluating the consistency and continuity of pixel-scale cloud property data records from Aqua and SNPP (Suomi National Polar-orbiting Partnership). Atmospheric Measurement Techniques, 2022, 15, 2099-2123.	3.1	3
4	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?. Geophysical Research Letters, 2022, 49, .	4.0	2
5	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. Remote Sensing, 2022, 14, 3125.	4.0	1
6	Geolocation Assessment and Optimization for OMPS Nadir Mapper: Methodology. Remote Sensing, 2022, 14, 3040.	4.0	1
7	Summertime Continental Shallow Cumulus Cloud Detection Using GOES-16 Satellite and Ground-Based Stereo Cameras at the DOE ARM Southern Great Plains Site. Remote Sensing, 2021, 13, 2309.	4.0	2
8	Improved Lunar Intrusion Detection Algorithm for the CrIS Sensor Data Record. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1134-1145.	6.3	3
9	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
10	Inter-Comparing SNPP and NOAA-20 CrIS Toward Measurement Consistency and Climate Data Records. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2024-2031.	4.9	14
11	Linking SNPP and NOAA-20 Cris Toward Measurement Consistency and Climate Data Records. , 2018, , .		0
12	Improved scheme for Cross-track Infrared Sounder geolocation assessment and optimization. Journal of Geophysical Research D: Atmospheres, 2017, 122, 519-536.	3.3	22
13	Fast and Accurate Collocation of the Visible Infrared Imaging Radiometer Suite Measurements with Cross-Track Infrared Sounder. Remote Sensing, 2016, 8, 76.	4.0	35
14	Impacts of field of view configuration of Cross-track Infrared Sounder on clear-sky observations. Applied Optics, 2016, 55, 7113.	2.1	10
15	Combination of VIIRS measurements and products with CrIS toward extending data utilization. , 2016, , .		0
16	Using Collocated VIIRS Observations for CrIS Scene Characterization toward Extending Data Utilization. , 2016, , .		0
17	Radiometric consistency assessment of hyperspectral infrared sounders. Atmospheric Measurement Techniques, 2015, 8, 4831-4844.	3.1	32
18	Recalibration and merging of SSU observations for stratospheric temperature trend studies. Journal of Geophysical Research D: Atmospheres, 2014, 119, 13,180.	3.3	35

#	ARTICLE	IF	CITATIONS
19	Effects of Ice Decontamination on GOES-12 Imager Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1224-1230.	6.3	10
20	Diurnal and Scan Angle Variations in the Calibration of GOES Imager Infrared Channels. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 671-683.	6.3	23
21	Suomi NPP CrIS measurements, sensor data record algorithm, calibration and validation activities, and record data quality. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,734.	3.3	181
22	Geolocation assessment for CrIS sensor data records. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,690.	3.3	58
23	Intercomparison of SSU temperature data records with Lidar, GPS RO, and MLS observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1747-1759.	3.3	3
24	Suomi NPP CrIS radiometric calibration uncertainty. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,589.	3.3	79
25	CrIS SDR calibration and validation status and NOAA-STAR related activities. Proceedings of SPIE, 2012, , .	0.8	4
26	Inter-comparison of NPP/CrIS radiances with VIIRS, AIRS, and IASI: a post-launch calibration assessment. Proceedings of SPIE, 2012, , .	0.8	15
27	Construction of Stratospheric Temperature Data Records from Stratospheric Sounding Units. Journal of Climate, 2012, 25, 2931-2946.	3.2	41
28	Consistency assessment of Atmospheric Infrared Sounder and Infrared Atmospheric Sounding Interferometer radiances: Double differences versus simultaneous nadir overpasses. Journal of Geophysical Research, 2011, 116, .	3.3	60
29	The Global Space-Based Inter-Calibration System. Bulletin of the American Meteorological Society, 2011, 92, 467-475.	3.3	161
30	Assessment of reanalysis datasets using AIRS and IASI hyperspectral radiances. , 2010, , .		2
31	Comparison of AIRS and IASI Radiances Using GOES Imagers as Transfer Radiometers toward Climate Data Records. Journal of Applied Meteorology and Climatology, 2010, 49, 478-492.	1.5	50
32	Spectral Bias Estimation of Historical HIRS Using IASI Observations for Improved Fundamental Climate Data Records. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1378-1387.	1.3	28
33	Intercalibration of GOES-11 and GOES-12 Water Vapor Channels with MetOp IASI Hyperspectral Measurements. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1843-1855.	1.3	21
34	On-Orbit Calibration Assessment of AVHRR Longwave Channels on MetOp-A Using IASI. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 4005-4013.	6.3	38
35	Using IASI observations to resolve HIRS spectral response function induced intersatellite biases. Proceedings of SPIE, 2008, , .	0.8	0
36	Wavelet Analysis of Cirrus Multiscale Structures from Lidar Backscattering: A Cirrus Uncinus Complex Case Study. Journal of Applied Meteorology and Climatology, 2008, 47, 2645-2658.	1.5	17

#	ARTICLE	IF	CITATIONS
37	A Midlatitude Cirrus Cloud Climatology from the Facility for Atmospheric Remote Sensing. Part V: Cloud Structural Properties. Journals of the Atmospheric Sciences, 2007, 64, 2483-2501.	1.7	17
38	Assessing NOAA-16 HIRS Radiance Accuracy Using Simultaneous Nadir Overpass Observations from AIRS. Journal of Atmospheric and Oceanic Technology, 2007, 24, 1546-1561.	1.3	34
39	Instantaneous cloud overlap statistics in the tropical area revealed by ICESat/GLAS data. Geophysical Research Letters, 2006, 33, .	4.0	30
40	Cirrus Mammatus Properties Derived from an Extended Remote Sensing Dataset. Journals of the Atmospheric Sciences, 2006, 63, 712-725.	1.7	12