

Yong Han

List of Publications by Year in descending order

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64
papers

6,449
citations

257450

24
h-index

182427

51
g-index

64
all docs

64
docs citations

64
times ranked

7465
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration Algorithm for Cross-Track Infrared Sounder Full Spectral Resolution Measurements. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1008-1016.	6.3	24
2	Characterization of Long-Term Stability of Suomi NPP Cross-Track Infrared Sounder Spectral Calibration. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1147-1159.	6.3	23
3	Improved scheme for Cross-Track Infrared Sounder geolocation assessment and optimization. Journal of Geophysical Research D: Atmospheres, 2017, 122, 519-536.	3.3	22
4	Reprocessing of Suomi NPP CrIS sensor data records and impacts on radiometric and spectral long-term accuracy and stability. , 2017, , .		4
5	High-resolution tropospheric carbon monoxide profiles retrieved from CrIS and TROPOMI. Atmospheric Measurement Techniques, 2016, 9, 2567-2579.	3.1	46
6	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
7	Comparison of Atmospheric Methane Retrievals From AIRS and IASI. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3297-3303.	4.9	8
8	Impacts of field of view configuration of Cross-track Infrared Sounder on clear-sky observations. Applied Optics, 2016, 55, 7113.	2.1	10
9	Combination of VIIRS measurements and products with CrIS toward extending data utilization. , 2016, , .		0
10	Using Collocated VIIRS Observations for CrIS Scene Characterization toward Extending Data Utilization. , 2016, , .		0
11	Comparison of atmospheric methane observations from AIRS and IASI. , 2015, , .		0
12	Effect of self-apodization correction on Cross-track Infrared Sounder radiance noise. Applied Optics, 2015, 54, 10114.	2.1	15
13	Evaluation of different calibration approaches for S-NPP CRIS full spectral resolution SDR processing. , 2015, , .		1
14	SI traceable algorithm for characterizing hyperspectral infrared sounder CrIS noise. Applied Optics, 2015, 54, 7889.	2.1	8
15	Future JPSS Cross-track Infrared Sounder (CrIS) Ground Calibration Algorithm Improvements. , 2015, , .		4
16	Detection of Earth-rotation Doppler shift from Suomi National Polar-Orbiting Partnership Cross-Track Infrared Sounder. Applied Optics, 2013, 52, 6250.	1.8	11
17	Assessment of Shortwave Infrared Sea Surface Reflection and Nonlocal Thermodynamic Equilibrium Effects in the Community Radiative Transfer Model Using IASI Data. Journal of Atmospheric and Oceanic Technology, 2013, 30, 2152-2160.	1.3	32
18	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

#	ARTICLE	IF	CITATIONS
19	Geolocation assessment for CrIS sensor data records. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,690.	3.3	58
20	Suomi-NPP CrIS radiometric calibration uncertainty. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,589.	3.3	79
21	Noise performance of the CrIS instrument. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,108.	3.3	60
22	Planck-Weighted Transmittance and Correction of Solar Reflection for Broadband Infrared Satellite Channels. Journal of Atmospheric and Oceanic Technology, 2012, 29, 382-396.	1.3	9
23	Community radiative transfer model for radiance assimilation and applications. , 2012, , .		14
24	CrIS SDR calibration and validation status and NOAA-STAR related activities. Proceedings of SPIE, 2012, , .	0.8	4
25	Inter-comparison of NPP/CrIS radiances with VIIRS, AIRS, and IASI: a post-launch calibration assessment. Proceedings of SPIE, 2012, , .	0.8	15
26	Comparison of two transmittance algorithms in the community radiative transfer model: Application to AVHRR. Journal of Geophysical Research, 2012, 117, .	3.3	25
27	Evaluating a satellite-derived global infrared land surface emissivity data set for use in radiative transfer modeling. Journal of Geophysical Research, 2011, 116, .	3.3	26
28	Preflight assessment of the cross-track infrared sounder (CrIS) performance. Proceedings of SPIE, 2011, , .	0.8	8
29	Validation of the community radiative transfer model. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1050-1064.	2.3	87
30	A study of the NOAA near-nadir Microwave Humidity Sounder brightness temperatures over Antarctica. , 2011, , .		0
31	Community Radiative Transfer Model for Stratospheric Sounding Unit. Journal of Atmospheric and Oceanic Technology, 2011, 28, 767-778.	1.3	12
32	On water vapor Jacobian in fast radiative transfer model. Journal of Geophysical Research, 2010, 115, .	3.3	44
33	An improved fast radiative transfer model for special sensor microwave imager/sounder upper atmosphere sounding channels. Journal of Geophysical Research, 2010, 115, .	3.3	11
34	The NCEP Climate Forecast System Reanalysis. Bulletin of the American Meteorological Society, 2010, 91, 1015-1058.	3.3	4,166
35	A rapid radiative transfer model for SSMIS UAS channels that takes the earth-rotation doppler shift and Zeeman effects into account. , 2010, , .		1
36	Effect of Out-of-Band Response in NOAA-16 AVHRR Channel 3b on Top-of-Atmosphere Radiances Calculated with the Community Radiative Transfer Model. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1968-1972.	1.3	9

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37	Conversion issues between microwave radiance and brightness temperature. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 1943-1950.	2.3	4
38	Validation of the Community Radiative Transfer Model by using CloudSat data. Journal of Geophysical Research, 2008, 113, .	3.3	84
39	Microwave and Infrared Radiances Assimilation for Weather Forecasting. , 2008, , .		0
40	A comparison of radiative transfer models for simulating Atmospheric Infrared Sounder (AIRS) radiances. Journal of Geophysical Research, 2007, 112, .	3.3	72
41	A fast radiative transfer model for SSMIS upper atmosphere sounding channels. Journal of Geophysical Research, 2007, 112, .	3.3	92
42	Calculating Antarctic stratospheric temperature from Special Sensor Microwave Imager and Sounder. Geophysical Research Letters, 2007, 34, .	4.0	3
43	Atmospheric transmittance of an absorbing gas 7 Further improvements to the OPTRAN 6 approach. Applied Optics, 2006, 45, 2028.	2.1	23
44	An Arctic Springtime Mixed-Phase Cloudy Boundary Layer Observed during SHEBA. Journals of the Atmospheric Sciences, 2005, 62, 160-176.	1.7	113
45	Measurement of Low Amounts of Precipitable Water Vapor Using Ground-Based Millimeterwave Radiometry. Journal of Atmospheric and Oceanic Technology, 2005, 22, 317-337.	1.3	41
46	Air temperature profile and air/sea temperature difference measurements by infrared and microwave scanning radiometers. Radio Science, 2003, 38, n/a-n/a.	1.6	9
47	Accuracy of ground-based microwave radiometer and balloon-borne measurements during the WVIOP2000 field experiment. IEEE Transactions on Geoscience and Remote Sensing, 2003, 41, 2605-2615.	6.3	32
48	Radiosonde Humidity Soundings and Microwave Radiometers during Nauru99. Journal of Atmospheric and Oceanic Technology, 2003, 20, 953-971.	1.3	38
49	Scanning infrared radiometer for measuring the air-sea temperature difference. Applied Optics, 2001, 40, 4807.	2.1	5
50	Analysis of integrated cloud liquid and precipitable water vapor retrievals from microwave radiometers during the Surface Heat Budget of the Arctic Ocean project. Journal of Geophysical Research, 2001, 106, 32019-32030.	3.3	144
51	A robust retrieval of water vapor column in dry Arctic conditions using the rotating shadowband spectroradiometer. Journal of Geophysical Research, 2001, 106, 24007-24016.	3.3	13
52	Analysis and improvement of tipping calibration for ground-based microwave radiometers. IEEE Transactions on Geoscience and Remote Sensing, 2000, 38, 1260-1276.	6.3	160
53	Air and sea surface temperature measurements using a 60-GHz microwave rotating radiometer. IEEE Transactions on Geoscience and Remote Sensing, 1998, 36, 3-15.	6.3	17
54	Sea-air and boundary layer temperatures measured by a scanning 5-mm-wavelength radiometer: Recent results. Radio Science, 1998, 33, 291-302.	1.6	10

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55	Radiometric profiling of temperature, water vapor and cloud liquid water using various inversion methods. <i>Radio Science</i> , 1998, 33, 393-404.	1.6	216
56	Remote sensing of total precipitable water vapor by microwave radiometers and GPS during the 1997 Water Vapor Intensive Operating Period. , 1998, , .		9
57	The Combined Sensor Program: An Air€“Sea Science Mission in the Central and Western Pacific Ocean. <i>Bulletin of the American Meteorological Society</i> , 1997, 78, 2797-2815.	3.3	23
58	Microphysical and radiative properties of boundary layer stratiform clouds deduced from ground-based measurements. <i>Journal of Geophysical Research</i> , 1997, 102, 23829-23843.	3.3	91
59	Infrared spectral radiance measurements in the tropical Pacific atmosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 4353-4356.	3.3	50
60	Remote Sensing of Tropospheric Water Vapor and Cloud Liquid Water by Integrated Ground-Based Sensors. <i>Journal of Atmospheric and Oceanic Technology</i> , 1995, 12, 1050-1059.	1.3	77
61	Observations of water vapor by ground-based microwave radiometers and Raman lidar. <i>Journal of Geophysical Research</i> , 1994, 99, 18695.	3.3	54
62	Multichannel Microwave Radiometric Observations at Saipan during the 1990 Tropical Cyclone Motion Experiment. <i>Journal of Atmospheric and Oceanic Technology</i> , 1994, 11, 110-121.	1.3	10
63	Millimeter-wave measurements of low amounts of precipitable water vapor. , 0, , .		4
64	Empirical evaluation of four microwave radiative forward models based on ground-based radiometer data near 20 and 30 GHz. , 0, , .		3