

Hartmut Aumann

List of Publications by Year in descending order

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papers

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citations

933447

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23
docs citations

23
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of AIRS and CrIS SST Measurements Relative to Three Globally Gridded SST Products Between 2013 and 2019. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8094-8102.	6.3	2
2	Evaluating the Absolute Calibration Accuracy and Stability of AIRS Using the CMC SST. Remote Sensing, 2020, 12, 2743.	4.0	2
3	SI-Traceability and Measurement Uncertainty of the Atmospheric Infrared Sounder Version 5 Level 1B Radiances. Remote Sensing, 2020, 12, 1338.	4.0	16
4	Radiometric Stability Validation of 17 Years of AIRS Data Using Sea Surface Temperatures. Geophysical Research Letters, 2019, 46, 12504-12510.	4.0	17
5	Increased Frequency of Extreme Tropical Deep Convection: AIRS Observations and Climate Model Predictions. Geophysical Research Letters, 2018, 45, 13,530.	4.0	27
6	Evaluation of Radiative Transfer Models With Clouds. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6142-6157.	3.3	28
7	Radiometric stability in 16 years of AIRS hyperspectral infrared data. , 2018, , .		4
8	Updates to the absolute radiometric accuracy of the AIRS on Aqua. , 2018, , .		3
9	Diurnal Cycle Variability of Surface Temperature Inferred From AIRS Data. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,928-10,938.	3.3	9
10	Frequency of deep convective clouds in the tropical zone from 10 years of AIRS data. Atmospheric Chemistry and Physics, 2013, 13, 10795-10806.	4.9	35
11	On the Surface Temperature Sensitivity of the Reflected Shortwave, Outgoing Longwave, and Net Incident Radiation. Journal of Climate, 2012, 25, 6585-6593.	3.2	6
12	Deep convective clouds at the tropopause. Atmospheric Chemistry and Physics, 2011, 11, 1167-1176.	4.9	21
13	Correlation between the Sea Surface Temperature and the frequency of severe storms in the tropical oceans using seven years of AIRS data. , 2010, , .		0
14	Frequency of severe storms and global warming. Geophysical Research Letters, 2008, 35, .	4.0	22
15	Seasonal correlations of SST, water vapor, and convective activity in tropical oceans: A new hyperspectral data set for climate model testing. Geophysical Research Letters, 2007, 34, .	4.0	9
16	Three years of Atmospheric Infrared Sounder radiometric calibration validation using sea surface temperatures. Journal of Geophysical Research, 2006, 111, .	3.3	68
17	AIRS observations of deep convective clouds. , 2006, 6301, 115.		19
18	AIRS. Bulletin of the American Meteorological Society, 2006, 87, 911-926.	3.3	595

#	ARTICLE	IF	CITATIONS
19	Atmospheric Infrared Sounder data for the evaluation of upper tropospheric water maps for short-term weather forecasting. , 2005, 5890, 196.		1
20	AIRS hyper-spectral measurements for climate research: Carbon dioxide and nitrous oxide effects. Geophysical Research Letters, 2005, 32, .	4.0	38
21	Application of Atmospheric Infrared Sounder (AIRS) data to climate research. , 2004, , .		8