Darren L Jackson

List of Publications by Year
in descending order

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33 papers	1,795 citations	304743 22 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1841 citing authors

#	Article	IF	Citations
1	Trends in Global Cloud Cover in Two Decades of HIRS Observations. Journal of Climate, 2005, 18, 3021-3031.	3.2	277
2	The Radiative Signature of Upper Tropospheric Moistening. Science, 2005, 310, 841-844.	12.6	259
3	A physical retrieval of cloud liquid water over the global oceans using special sensor microwave/imager (SSM/I) observations. Journal of Geophysical Research, 1993, 98, 18471-18488.	3.3	218
4	Radiance and Jacobian intercomparison of radiative transfer models applied to HIRS and AMSU channels. Journal of Geophysical Research, 2001, 106, 24017-24031.	3.3	104
5	Interannual Variability of Upper-Troposphere Water Vapor Band Brightness Temperature. Journal of Climate, 1996, 9, 427-438.	3.2	94
6	Trends in upper-tropospheric humidity. Geophysical Research Letters, 2001, 28, 1695-1698.	4.0	78
7	Predicting nearâ€surface atmospheric variables from Special Sensor Microwave/Imager using neural networks with a firstâ€guess approach. Journal of Geophysical Research, 2010, 115, .	3.3	61
8	A Study of SSM/I-Derived Columnar Water Vapor over the Global Oceans. Journal of Climate, 1995, 8, 2025-2038.	3.2	51
9	Near-surface retrieval of air temperature and specific humidity using multisensor microwave satellite observations. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	50
10	An upper tropospheric humidity data set from operational satellite microwave data. Journal of Geophysical Research, 2008, 113, .	3.3	50
11	Global Observations of Upper-Tropospheric Water Vapor Derived from TOVS Radiance Data. Journal of Climate, 1996, 9, 305-326.	3.2	49
12	An Intercomparison of Radiation Codes for Retrieving Upperâ€“Tropospheric Humidity in the 6.3â€“mm Band: A Report from the First GVaP Workshop. Bulletin of the American Meteorological Society, 2000, 81, 797-808.	3.3	43
13	Variability of tropical upper tropospheric humidity 1979-1998. Journal of Geophysical Research, 2001, 106, 32271-32281.	3.3	41
14	Error characterization of infrared and microwave satellite sea surface temperature products for merging and analysis. Journal of Geophysical Research, 2008, 113, .	3.3	41
15	Measurement of turbulent water vapor fluxes using a lightweight unmanned aerial vehicle system. Atmospheric Measurement Techniques, 2012, 5, 243-257.	3.1	40
16	Improved multisensor approach to satelliteâ€retrieved nearâ€surface specific humidity observations. Journal of Geophysical Research, 2009, 114, .	3.3	36
17	Spaceborne observation of columnar water vapor: SSMI observations and algorithm. Journal of Geophysical Research, 1991, 96, 10941-10954.	3.3	33
18	Upper tropospheric humidity algorithm assessment. Journal of Geophysical Research, 2001, 106, 32259-32270.	3.3	31

#	Article	IF	Citations
19	Ocean Winds and Turbulent Air-Sea Fluxes Inferred From Remote Sensing. Oceanography, 2010, 23, 36-51.	1.0	31
20	Near-Surface Air Temperature Retrieval Derived from AMSU-A and Sea Surface Temperature Observations. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1769-1776.	1.3	29
21	A comparison of SSM/I and TOVS column water vapor data over the global oceans. Meteorology and Atmospheric Physics, 1994, 54, 183-201.	2.0	25
22	Calibration of the Meteosat water vapor channel using collocated NOAA/HIRS 12 measurements. Journal of Geophysical Research, 2000, 105, 11925-11933.	3.3	23
23	Spatial scales of tropical precipitation inferred from TRMM microwave imager data. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1542-1551.	6.3	22
24	Detection and Correction of Diurnal Sampling Bias in HIRS/2 Brightness Temperatures. Journal of Atmospheric and Oceanic Technology, 2007, 24, 1425-1438.	1.3	22
25	A comparison of water vapor observations with AMIPI simulations. Journal of Geophysical Research, 1997, 102, 21837-21852.	3.3	21
26	An Improved Near-Surface Specific Humidity and Air Temperature Climatology for the SSM/I Satellite Period. Journal of Atmospheric and Oceanic Technology, 2015, 32, 412-433.	1.3	17
27	Interannual co-variability of tropical temperature and humidity: A comparison of model, reanalysis data and satellite observation. Geophysical Research Letters, 2005, 32, .	4.0	13
28	Analysis of Upper-Tropospheric Water Vapor Brightness Temperatures from SSM/T2, HIRS, and GMS-5 VISSR. Journal of Applied Meteorology and Climatology, 1999, 38, 580-595.	1.7	12
29	Evidence of Atmospheric Contamination on the Measurement of the Spectral Response of theGMS-5Water Vapor Channel. Journal of Atmospheric and Oceanic Technology, 1999, 16, 1851-1853.	1.3	8
30	A comparison of satelliteâ€derived carbon dioxide transfer velocities from a physically based model with GasEx cruise observations. Journal of Geophysical Research, 2012, 117, .	3.3	8
31	Satellite-Based Reconstruction of the Tropical Oceanic Clear-Sky Outgoing Longwave Radiation and Comparison with Climate Models. Journal of Climate, 2014, 27, 941-957.	3.2	4
32	Propagation of uncertainty analysis of CO₂transfer velocities derived from the COARE gas transfer model using satellite inputs. Journal of Geophysical Research: Oceans, 2014, 119, 1828-1842.	2.6	3
33	Forecasts of Opportunity for Northern California Soil Moisture. Land, 2021, 10, 713.	2.9	1