Will McCarty

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8661279/publications.pdf

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19 papers	5,202 citations	840585 11 h-index	940416 16 g-index
19 all docs	19 docs citations	19 times ranked	8215 citing authors

#	Article	IF	Citations
1	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). Journal of Climate, 2017, 30, 5419-5454.	1.2	4,520
2	Introduction to the SPARC Reanalysis Intercomparison ProjectÂ(S-RIP) and overview of the reanalysis systems. Atmospheric Chemistry and Physics, 2017, 17, 1417-1452.	1.9	276
3	Lidar-Measured Wind Profiles: The Missing Link in the Global Observing System. Bulletin of the American Meteorological Society, 2014, 95, 543-564.	1.7	133
4	Structure and Dynamics of the Quasi-Biennial Oscillation in MERRA-2. Journal of Climate, 2016, 29, 5339-5354.	1.2	78
5	NPOESS. Bulletin of the American Meteorological Society, 2010, 91, 727-740.	1.7	42
6	Impact of the assimilation of Atmospheric Infrared Sounder radiance measurements on shortâ€term weather forecasts. Journal of Geophysical Research, 2009, 114, .	3.3	38
7	Impact of Adaptively Thinned AIRS Cloud-Cleared Radiances on Tropical Cyclone Representation in a Global Data Assimilation and Forecast System. Weather and Forecasting, 2018, 33, 909-931.	0.5	21
8	Cloud Coverage in the Joint OSSE Nature Run. Monthly Weather Review, 2012, 140, 1863-1871.	0.5	19
9	The Framework for Assimilating All-Sky GPM Microwave Imager Brightness Temperature Data in the NASA GEOS Data Assimilation System. Monthly Weather Review, 2020, 148, 2433-2455.	0.5	16
10	Observing System Simulation Experiments Investigating Atmospheric Motion Vectors and Radiances from a Constellation of 4â€“5-Î¼m Infrared Sounders. Journal of Atmospheric and Oceanic Technology, 2021, 38, 331-347.	0.5	12
11	The Impact of Assimilation of GPM Microwave Imager Clear-Sky Radiance on Numerical Simulations of Hurricanes Joaquin (2015) and Matthew (2016) with the HWRF Model. Monthly Weather Review, 2019, 147, 175-198.	0.5	11
12	Assimilation of Satellite Microwave Observations over the Rainbands of Tropical Cyclones. Monthly Weather Review, 2020, 148, 4729-4745.	0.5	9
13	Homogenized Water Vapor Absorption Band Radiances From International Geostationary Satellites. Geophysical Research Letters, 2019, 46, 10599-10608.	1.5	7
14	Evaluation of RapidScat Ocean Vector Winds for Data Assimilation and Reanalysis. Monthly Weather Review, 2018, 146, 199-211.	0.5	6
15	An Adjoint-Based Forecast Impact from Assimilating MISR Winds into the GEOS-5 Data Assimilation and Forecasting System. Monthly Weather Review, 2017, 145, 4937-4947.	0.5	5
16	The importance of simulated errors in observing system simulation experiments. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 73, 1886795.	0.8	5
17	Sensitivity of low tropospheric Arctic temperatures to assimilation of AIRS cloudâ€cleared radiances: Impact on midâ€latitude waves. Quarterly Journal of the Royal Meteorological Society, 0, , .	1.0	3
18	Investigating the utility of hyperspectral sounders in the 9.6â€‰Î¼m band to improve ozone analyses. Quarterly Journal of the Royal Meteorological Society, 2022, 148, 169-184.	1.0	1

#	Article	IF	Citations
19	Assessing Sensitivity of MERRA-2 to AMSU-A in the Upper Stratosphere. Journal of Atmospheric and Oceanic Technology, 2021, 38, 629-643.	0.5	0