

Will McCarty

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

3,293
citations

8
h-index

19
g-index

19
ext. papers

4,250
ext. citations

3.6
avg, IF

4.26
L-index

#	Paper	IF	Citations
17	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). <i>Journal of Climate</i> , 2017 , Volume 30, 5419-5454	4.4	2815
16	Introduction to the SPARC Reanalysis Intercomparison Project (S-RIP) and overview of the reanalysis systems. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1417-1452	6.8	201
15	Lidar-Measured Wind Profiles: The Missing Link in the Global Observing System. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, 543-564	6.1	87
14	Structure and Dynamics of the Quasi-Biennial Oscillation in MERRA-2. <i>Journal of Climate</i> , 2016 , 29, 5339-5354	4.4	60
13	NPOESS. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 727-740	6.1	35
12	Impact of the assimilation of Atmospheric Infrared Sounder radiance measurements on short-term weather forecasts. <i>Journal of Geophysical Research</i> , 2009 , 114,		32
11	Cloud Coverage in the Joint OSSE Nature Run. <i>Monthly Weather Review</i> , 2012 , 140, 1863-1871	2.4	16
10	Impact of adaptively thinned AIRS cloud-cleared radiances on tropical cyclone representation in a global data assimilation and forecast system. <i>Weather and Forecasting</i> , 2018 , 33, 909-931	2.1	12
9	The Framework for Assimilating All-Sky GPM Microwave Imager Brightness Temperature Data in the NASA GEOS Data Assimilation System. <i>Monthly Weather Review</i> , 2020 , 148, 2433-2455	2.4	7
8	Homogenized Water Vapor Absorption Band Radiances From International Geostationary Satellites. <i>Geophysical Research Letters</i> , 2019 , 46, 10599-10608	4.9	5
7	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. <i>Monthly Weather Review</i> , 2019 , 147, 175-198	2.4	5
6	Evaluation of RapidScat Ocean Vector Winds for Data Assimilation and Reanalysis. <i>Monthly Weather Review</i> , 2018 , 146, 199-211	2.4	5
5	An Adjoint-Based Forecast Impact from Assimilating MISR Winds into the GEOS-5 Data Assimilation and Forecasting System. <i>Monthly Weather Review</i> , 2017 , 145, 4937-4947	2.4	4
4	Assimilation of Satellite Microwave Observations over the Rainbands of Tropical Cyclones. <i>Monthly Weather Review</i> , 2020 , 148, 4729-4745	2.4	4
3	Observing System Simulation Experiments Investigating Atmospheric Motion Vectors and Radiances from a Constellation of 4B-B Infrared Sounders. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021 , 38, 331-347	2	4
2	The importance of simulated errors in observing system simulation experiments. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2021 , 73, 1-17	2	1
1	Assessing Sensitivity of MERRA-2 to AMSU-A in the Upper Stratosphere. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021 , 38, 629-643	2	

