

Catherine M Naud

List of Publications by Year in Descending Order

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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.

53
papers

1,150
citations

19
h-index

33
g-index

58
ext. papers

1,297
ext. citations

4.3
avg, IF

4.37
L-index

#	Paper	IF	Citations
53	CYGNSS Observations and Analysis of Low-Latitude Extratropical Cyclones. <i>Journal of Applied Meteorology and Climatology</i> , 2021 , 60, 527-541	2.7	3
52	Relationships Between Precipitation Properties and Large-Scale Conditions During Subsidence at the Eastern North Atlantic Observatory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031848	4.4	5
51	Upright Convection in Extratropical Cyclones: A Survey Using Ground-Based Radar Data Over the United States. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086620	4.9	5
50	On the Relationship Between the Marine Cold Air Outbreak M Parameter and Low-Level Cloud Heights in the Midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD032465	4.4	3
49	Evaluation of Modeled Precipitation in Oceanic Extratropical Cyclones Using IMERG. <i>Journal of Climate</i> , 2020 , 33, 95-113	4.4	4
48	Extratropical Cyclone Clouds in the GFDL Climate Model: Diagnosing Biases and the Associated Causes. <i>Journal of Climate</i> , 2019 , 32, 6685-6701	4.4	5
47	The Interaction Between Boundary Layer and Convection Schemes in a WRF Simulation of Post Cold Frontal Clouds Over the ARM East North Atlantic Site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 4699-4721	4.4	6
46	Process-Oriented Evaluation of Climate and Weather Forecasting Models. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 1665-1686	6.1	28
45	Observational Constraint for Precipitation in Extratropical Cyclones: Sensitivity to Data Sources. <i>Journal of Applied Meteorology and Climatology</i> , 2018 , 57, 991-1009	2.7	12
44	Evaluation of Extratropical Cyclone Precipitation in the North Atlantic Basin: An analysis of ERA-Interim, WRF, and two CMIP5 models. <i>Journal of Climate</i> , 2018 , 31, 2345-2360	4.4	22
43	WRF hindcasts of cold front passages over the ARM Eastern North Atlantic Site: a sensitivity study. <i>Monthly Weather Review</i> , 2018 , 146, 2417-2432	2.4	4
42	Extratropical Cyclone Precipitation Life Cycles: A Satellite-Based Analysis. <i>Geophysical Research Letters</i> , 2018 , 45, 8647-8654	4.9	12
41	Reply to Comments on "A CloudSat/ALIPSO View of Cloud and Precipitation Properties across Cold Fronts over the Global Oceans" <i>Journal of Climate</i> , 2018 , 31, 2969-2975	4.4	2
40	Coupling of Precipitation and Cloud Structures in Oceanic Extratropical Cyclones to Large-Scale Moisture Flux Convergence. <i>Journal of Climate</i> , 2018 , 31, 9565-9584	4.4	3
39	Post Cold Frontal Clouds at the ARM Eastern North Atlantic Site: An Examination of the Relationship Between Large-Scale Environment and Low-Level Cloud Properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,117	4.4	12
38	Observed Covariations of Aerosol Optical Depth and Cloud Cover in Extratropical Cyclones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10,338-10,356	4.4	5
37	Assessing CYGNSS Potential to Observe Extratropical Fronts and Cyclones. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 2027-2034	2.7	10

36	The relationship between boundary layer stability and cloud cover in the post-cold frontal region. <i>Journal of Climate</i> , 2016 , 29, 8129-8149	4.4	34
35	Aerosol optical depth distribution in extratropical cyclones over the Northern Hemisphere oceans. <i>Geophysical Research Letters</i> , 2016 , 43, 10,504-10,511	4.9	7
34	A Satellite View of the Radiative Impact of Clouds on Surface Downward Fluxes in the Tibetan Plateau. <i>Journal of Applied Meteorology and Climatology</i> , 2015 , 54, 479-493	2.7	9
33	A CloudSat-CALIPSO View of Cloud and Precipitation Properties across Cold Fronts over the Global Oceans. <i>Journal of Climate</i> , 2015 , 28, 6743-6762	4.4	30
32	Thermodynamic Phase and Ice Cloud Properties in Northern Hemisphere Winter Extratropical Cyclones Observed by Aqua AIRS. <i>Journal of Applied Meteorology and Climatology</i> , 2015 , 54, 2283-2303	2.7	10
31	The Atmospheric Infrared Sounder version 6 cloud products. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 399-426	6.8	74
30	Comparison of the sensitivity of surface downward longwave radiation to changes in water vapor at two high elevation sites. <i>Environmental Research Letters</i> , 2014 , 9, 114015	6.2	2
29	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. <i>Journal of Climate</i> , 2014 , 27, 2109-2124	4.4	88
28	Sensitivity of Warm-Frontal Processes to Cloud-Nucleating Aerosol Concentrations. <i>Journals of the Atmospheric Sciences</i> , 2013 , 70, 1768-1783	2.1	38
27	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. <i>Journal of Climate</i> , 2013 , 26, 5827-5845	4.4	20
26	Sensitivity of downward longwave surface radiation to moisture and cloud changes in a high-elevation region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 10,072-10,081	4.4	17
25	Multiple satellite observations of cloud cover in extratropical cyclones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9982-9996	4.4	15
24	Observational Analysis of Cloud and Precipitation in Midlatitude Cyclones: Northern versus Southern Hemisphere Warm Fronts. <i>Journal of Climate</i> , 2012 , 25, 5135-5151	4.4	39
23	Using satellites to investigate the sensitivity of longwave downward radiation to water vapor at high elevations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
22	Cloud Vertical Distribution across Warm and Cold Fronts in CloudSat-CALIPSO Data and a General Circulation Model. <i>Journal of Climate</i> , 2010 , 23, 3397-3415	4.4	61
21	Thermodynamic phase profiles of optically thin midlatitude clouds and their relation to temperature. <i>Journal of Geophysical Research</i> , 2010 , 115,		15
20	Assessment of ISCCP cloudiness over the Tibetan Plateau using CloudSat-CALIPSO. <i>Journal of Geophysical Research</i> , 2010 , 115,		17
19	Intercomparison of Ground-Based Radar and Satellite Cloud-Top Height Retrievals for Overcast Single-Layered Cloud Fields. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009 , 47, 1901-1908	8.1	4

18	Impact of Dynamics and Atmospheric State on Cloud Vertical Overlap. <i>Journal of Climate</i> , 2008 , 21, 1758-1770	39
17	Comparison of MISR and MODIS cloud-top heights in the presence of cloud overlap. <i>Remote Sensing of Environment</i> , 2007 , 107, 200-210	13.2 19
16	Stereo cloud-top heights and cloud fraction retrieval from ATSR-2. <i>International Journal of Remote Sensing</i> , 2007 , 28, 1921-1938	3.1 34
15	Comparison between ATSR-2 stereo, MOS O2-A band and ground-based cloud top heights. <i>International Journal of Remote Sensing</i> , 2007 , 28, 1969-1987	3.1 5
14	Observational Constraints on the Cloud Thermodynamic Phase in Midlatitude Storms. <i>Journal of Climate</i> , 2006 , 19, 5273-5288	4.4 39
13	Assessment of multispectral ATSR2 stereo cloud-top height retrievals. <i>Remote Sensing of Environment</i> , 2006 , 104, 337-345	13.2 6
12	On the use of ICESAT-GLAS measurements for MODIS and SEVIRI cloud-top height accuracy assessment. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9 12
11	Assessment of the Performance of the Chilbolton 3-GHz Advanced Meteorological Radar for Cloud-Top-Height Retrieval. <i>Journal of Applied Meteorology and Climatology</i> , 2005 , 44, 876-887	6
10	SIRTA, a ground-based atmospheric observatory for cloud and aerosol research. <i>Annales Geophysicae</i> , 2005 , 23, 253-275	2 184
9	Intercomparison of multiple years of MODIS, MISR and radar cloud-top heights. <i>Annales Geophysicae</i> , 2005 , 23, 2415-2424	2 40
8	Assessment of MISR and MODIS cloud top heights through inter-comparison with a back-scattering lidar at SIRTA. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9 36
7	Comparison between active sensor and radiosonde cloud boundaries over the ARM Southern Great Plains site. <i>Journal of Geophysical Research</i> , 2003 , 108,	37
6	Comparison of cloud top heights derived from MISR stereo and MODIS CO2-slicing. <i>Geophysical Research Letters</i> , 2002 , 29, 42-1-42-4	4.9 44
5	Remote sensing of cirrus cloud properties in the far infrared 2001 ,	1
4	Effect of cirrus clouds in the infrared (4 to 100 μ m): high-spectral-resolution simulations 1998 ,	1
3	High-spectral-resolution simulation of the impact on heating rates of cirrus clouds in the far infrared 1998 , 3495, 92	1
2	Radiative Transfer in Multifractal Atmospheres: Fractional Integration, Multifractal Phase Transitions and Inversion Problems. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1997 , 239-267	0.5 2
1	Experimental observations of cavitation in superfluid helium-4. <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 575-576	2.8 5

