

# James F Booth

## 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.

41  
papers

820  
citations

16  
h-index

27  
g-index

44  
ext. papers

960  
ext. citations

4.7  
avg, IF

4.53  
L-index

#	Paper	IF	Citations
41	Blocking and General Circulation in GFDL Comprehensive Climate Models. <i>Journal of Climate</i> , <b>2022</b> , 1-54	4.4	1
40	Tropical cyclone storm surge probabilities for the east coast of the United States: a cyclone-based perspective. <i>Natural Hazards and Earth System Sciences</i> , <b>2022</b> , 22, 1287-1300	3.9	1
39	Relationships Between Precipitation Properties and Large-Scale Conditions During Subsidence at the Eastern North Atlantic Observatory. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031848	4.4	5
38	Upright Convection in Extratropical Cyclones: A Survey Using Ground-Based Radar Data Over the United States. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086620	4.9	5
37	Atmospheric blocking in an aquaplanet and the impact of orography. <i>Weather and Climate Dynamics</i> , <b>2020</b> , 1, 293-311	3.3	3
36	Understanding the Spatial Organization of Simultaneous Heavy Precipitation Events Over the Conterminous United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033036	4.4	0
35	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> , <b>2020</b> , 125, e2020JD032465	4.4	3
34	Evaluation of Modeled Precipitation in Oceanic Extratropical Cyclones Using IMERG. <i>Journal of Climate</i> , <b>2020</b> , 33, 95-113	4.4	4
33	The impact of Coriolis approximations on the environmental sensitivity of idealized extratropical cyclones. <i>Climate Dynamics</i> , <b>2019</b> , 53, 7065-7080	4.2	1
32	Extratropical Cyclone Clouds in the GFDL Climate Model: Diagnosing Biases and the Associated Causes. <i>Journal of Climate</i> , <b>2019</b> , 32, 6685-6701	4.4	5
31	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> , <b>2019</b> , 124, 4699-4721	4.4	6
30	Process-Oriented Evaluation of Climate and Weather Forecasting Models. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 1665-1686	6.1	28
29	New York City Panel on Climate Change 2019 Report Chapter 2: New Methods for Assessing Extreme Temperatures, Heavy Downpours, and Drought. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1439, 30-70	6.5	15
28	New York City Panel on Climate Change 2019 Report Chapter 4: Coastal Flooding. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1439, 95-114	6.5	14
27	The Future of Midlatitude Cyclones. <i>Current Climate Change Reports</i> , <b>2019</b> , 5, 407-420	9	36
26	Atmosphere surface storm track response to resolved ocean mesoscale in two sets of global climate model experiments. <i>Climate Dynamics</i> , <b>2019</b> , 52, 2067-2089	4.2	28
25	Observational Constraint for Precipitation in Extratropical Cyclones: Sensitivity to Data Sources. <i>Journal of Applied Meteorology and Climatology</i> , <b>2018</b> , 57, 991-1009	2.7	12

24	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> , <b>2018</b> , 31, 2345-2360	4.4	22
23	WRF hindcasts of cold front passages over the ARM Eastern North Atlantic Site: a sensitivity study. <i>Monthly Weather Review</i> , <b>2018</b> , 146, 2417-2432	2.4	4
22	An examination of extratropical cyclone response to changes in baroclinicity and temperature in an idealized environment. <i>Climate Dynamics</i> , <b>2018</b> , 51, 3829-3846	4.2	17
21	Extratropical Cyclone Precipitation Life Cycles: A Satellite-Based Analysis. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8647-8654	4.9	12
20	Track and Circulation Analysis of Tropical and Extratropical Cyclones that Cause Strong Precipitation and Streamflow Events in the New York City Watershed. <i>Journal of Hydrometeorology</i> , <b>2018</b> , 19, 1027-1042	3.7	9
19	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> , <b>2018</b> , 123, 12,117	4.4	12
18	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. <i>Journal of Climate</i> , <b>2017</b> , 30, 5329-5343	4.4	9
17	Classifying Urban Rainfall Extremes Using Weather Radar Data: An Application to the Greater New York Area. <i>Journal of Hydrometeorology</i> , <b>2017</b> , 18, 611-623	3.7	11
16	Spatial Patterns and Intensity of the Surface Storm Tracks in CMIP5 Models. <i>Journal of Climate</i> , <b>2017</b> , 30, 4965-4981	4.4	24
15	Winter storm intensity, hazards, and property losses in the New York tristate area. <i>Annals of the New York Academy of Sciences</i> , <b>2017</b> , 1400, 65-80	6.5	5
14	The Relationship Between Extratropical Cyclone Steering and Blocking Along the North American East Coast. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,976-11,984	4.9	16
13	The relationship between boundary layer stability and cloud cover in the post-cold frontal region. <i>Journal of Climate</i> , <b>2016</b> , 29, 8129-8149	4.4	34
12	Comparing hurricane and extratropical storm surge for the Mid-Atlantic and Northeast Coast of the United States for 1979-2013. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 094004	6.2	25
11	Arctic cut-off high drives the poleward shift of a new Greenland melting record. <i>Nature Communications</i> , <b>2016</b> , 7, 11723	17.4	50
10	The Paths of Extratropical Cyclones Associated with Wintertime High-Wind Events in the Northeastern United States. <i>Journal of Applied Meteorology and Climatology</i> , <b>2015</b> , 54, 1871-1885	2.7	25
9	Effective stability in a moist baroclinic wave. <i>Atmospheric Science Letters</i> , <b>2015</b> , 16, 56-62	2.4	13
8	A Review of Historical and Future Changes of Extratropical Cyclones and Associated Impacts Along the US East Coast. <i>Current Climate Change Reports</i> , <b>2015</b> , 1, 125-143	9	49
7	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. <i>Journal of Climate</i> , <b>2014</b> , 27, 2109-2124	4.4	88

6	Midlatitude storms in a moister world: lessons from idealized baroclinic life cycle experiments. <i>Climate Dynamics</i> , <b>2013</b> , 41, 787-802	4.2	69
5	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. <i>Journal of Climate</i> , <b>2013</b> , 26, 5827-5845	4.4	20
4	Multiple satellite observations of cloud cover in extratropical cyclones. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9982-9996	4.4	15
3	Sensitivity of Midlatitude Storm Intensification to Perturbations in the Sea Surface Temperature near the Gulf Stream. <i>Monthly Weather Review</i> , <b>2012</b> , 140, 1241-1256	2.4	71
2	The Signature of the Midlatitude Tropospheric Storm Tracks in the Surface Winds. <i>Journal of Climate</i> , <b>2010</b> , 23, 1160-1174	4.4	44
1	Isolating the role of mesoscale eddies in mixing of a passive tracer in an eddy resolving model. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		8