

# James F Booth

## List of Publications by Year in descending order

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43  
papers

1,111  
citations

430754

18  
h-index

414303

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. <i>Journal of Climate</i> , 2014, 27, 2109-2124.	1.2	116
2	Sensitivity of Midlatitude Storm Intensification to Perturbations in the Sea Surface Temperature near the Gulf Stream. <i>Monthly Weather Review</i> , 2012, 140, 1241-1256.	0.5	85
3	The Future of Midlatitude Cyclones. <i>Current Climate Change Reports</i> , 2019, 5, 407-420.	2.8	77
4	Midlatitude storms in a moister world: lessons from idealized baroclinic life cycle experiments. <i>Climate Dynamics</i> , 2013, 41, 787-802.	1.7	74
5	Arctic cut-off high drives the poleward shift of a new Greenland melting record. <i>Nature Communications</i> , 2016, 7, 11723.	5.8	67
6	A Review of Historical and Future Changes of Extratropical Cyclones and Associated Impacts Along the US East Coast. <i>Current Climate Change Reports</i> , 2015, 1, 125-143.	2.8	66
7	The Signature of the Midlatitude Tropospheric Storm Tracks in the Surface Winds. <i>Journal of Climate</i> , 2010, 23, 1160-1174.	1.2	49
8	The Relationship between Boundary Layer Stability and Cloud Cover in the Post-Cold-Frontal Region. <i>Journal of Climate</i> , 2016, 29, 8129-8149.	1.2	45
9	Atmosphere surface storm track response to resolved ocean mesoscale in two sets of global climate model experiments. <i>Climate Dynamics</i> , 2019, 52, 2067-2089.	1.7	41
10	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> , 2016, 11, 094004.	2.2	36
11	Process-Oriented Evaluation of Climate and Weather Forecasting Models. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 1665-1686.	1.7	36
12	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.	1.2	30
13	The Paths of Extratropical Cyclones Associated with Wintertime High-Wind Events in the Northeastern United States. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 1871-1885.	0.6	28
14	Spatial Patterns and Intensity of the Surface Storm Tracks in CMIP5 Models. <i>Journal of Climate</i> , 2017, 30, 4965-4981.	1.2	26
15	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. <i>Journal of Climate</i> , 2013, 26, 5827-5845.	1.2	22
16	An examination of extratropical cyclone response to changes in baroclinicity and temperature in an idealized environment. <i>Climate Dynamics</i> , 2018, 51, 3829-3846.	1.7	22
17	New York City Panel on Climate Change 2019 Report Chapter 4: Coastal Flooding. <i>Annals of the New York Academy of Sciences</i> , 2019, 1439, 95-114.	1.8	22
18	Extratropical Cyclone Precipitation Life Cycles: A Satellite-Based Analysis. <i>Geophysical Research Letters</i> , 2018, 45, 8647-8654.	1.5	21

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19	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> , 2019, 1439, 30-70.	1.8	21
20	The Relationship Between Extratropical Cyclone Steering and Blocking Along the North American East Coast. <i>Geophysical Research Letters</i> , 2017, 44, 11,976.	1.5	19
21	Classifying Urban Rainfall Extremes Using Weather Radar Data: An Application to the Greater New York Area. <i>Journal of Hydrometeorology</i> , 2017, 18, 611-623.	0.7	16
22	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.	1.2	16
23	Multiple satellite observations of cloud cover in extratropical cyclones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9982-9996.	1.2	15
24	Effective stability in a moist baroclinic wave. <i>Atmospheric Science Letters</i> , 2015, 16, 56-62.	0.8	14
25	Observational Constraint for Precipitation in Extratropical Cyclones: Sensitivity to Data Sources. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 991-1009.	0.6	14
26	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.	1.2	13
27	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.	1.2	12
28	Predictable Changes in Extreme Sea Levels and Coastal Flood Risk Due To Long-Term Tidal Cycles. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	11
29	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. <i>Journal of Climate</i> , 2017, 30, 5329-5343.	1.2	10
30	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> , 2018, 19, 1027-1042.	0.7	10
31	Evaluation of Modeled Precipitation in Oceanic Extratropical Cyclones Using IMERG. <i>Journal of Climate</i> , 2020, 33, 95-113.	1.2	10
32	Isolating the role of mesoscale eddies in mixing of a passive tracer in an eddy resolving model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	9
33	Winter storm intensity, hazards, and property losses in the New York tristate area. <i>Annals of the New York Academy of Sciences</i> , 2017, 1400, 65-80.	1.8	9
34	Extratropical Cyclone Clouds in the GFDL Climate Model: Diagnosing Biases and the Associated Causes. <i>Journal of Climate</i> , 2019, 32, 6685-6701.	1.2	9
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> , 2020, 125, e2020JD032465.	1.2	9
36	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.	0.5	7

#	ARTICLE	IF	CITATIONS
37	Upright Convection in Extratropical Cyclones: A Survey Using Ground-Based Radar Data Over the United States. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086620.	1.5	7
38	Atmospheric blocking in an aquaplanet and the impact of orography. <i>Weather and Climate Dynamics</i> , 2020, 1, 293-311.	1.2	5
39	Understanding the Spatial Organization of Simultaneous Heavy Precipitation Events Over the Conterminous United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033036.	1.2	3
40	Blocking and General Circulation in GFDL Comprehensive Climate Models. <i>Journal of Climate</i> , 2022, 35, 3687-3703.	1.2	3
41	The impact of Coriolis approximations on the environmental sensitivity of idealized extratropical cyclones. <i>Climate Dynamics</i> , 2019, 53, 7065-7080.	1.7	2
42	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> , 2022, 22, 1287-1300.	1.5	2
43	Storm Surge, Blocking, and Cyclones: A Compound Hazards Analysis for the Northeast United States. <i>Journal of Applied Meteorology and Climatology</i> , 2021, , .	0.6	1