James F Booth

List of Publications by Citations

41	820	16	27
papers	citations	h-index	g-index
44	960	4.7	4.53
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
41	Evaluation of ERA-Interim and MERRA Cloudiness in the Southern Ocean. *Journal of Climate*, **2014**, 27, 2109-2124	4.4	88
40	Sensitivity of Midlatitude Storm Intensification to Perturbations in the Sea Surface Temperature near the Gulf Stream. *Monthly Weather Review*, **2012**, 140, 1241-1256	2.4	71
39	Midlatitude storms in a moister world: lessons from idealized baroclinic life cycle experiments. *Climate Dynamics*, **2013**, 41, 787-802	4.2	69
38	Arctic cut-off high drives the poleward shift of a new Greenland melting record. *Nature Communications*, **2016**, 7, 11723	17.4	50
37	A Review of Historical and Future Changes of Extratropical Cyclones and Associated Impacts Along the US East Coast. *Current Climate Change Reports*, **2015**, 1, 125-143	9	49
36	The Signature of the Midlatitude Tropospheric Storm Tracks in the Surface Winds. *Journal of Climate*, **2010**, 23, 1160-1174	4.4	44
35	The Future of Midlatitude Cyclones. *Current Climate Change Reports*, **2019**, 5, 407-420	9	36
34	The relationship between boundary layer stability and cloud cover in the post-cold frontal region. *Journal of Climate*, **2016**, 29, 8129-8149	4.4	34
33	Process-Oriented Evaluation of Climate and Weather Forecasting Models. *Bulletin of the American Meteorological Society*, **2019**, 100, 1665-1686	6.1	28
32	Atmosphere surface storm track response to resolved ocean mesoscale in two sets of global climate model experiments. *Climate Dynamics*, **2019**, 52, 2067-2089	4.2	28
31	The Paths of Extratropical Cyclones Associated with Wintertime High-Wind Events in the Northeastern United States. *Journal of Applied Meteorology and Climatology*, **2015**, 54, 1871-1885	2.7	25
30	Comparing hurricane and extratropical storm surge for the Mid-Atlantic and Northeast Coast of the United States for 19792013. *Environmental Research Letters*, **2016**, 11, 094004	6.2	25
29	Spatial Patterns and Intensity of the Surface Storm Tracks in CMIP5 Models. *Journal of Climate*, **2017**, 30, 4965-4981	4.4	24
28	Evaluation of Extratropical Cyclone Precipitation in the North Atlantic Basin: An analysis of ERA-Interim, WRF, and two CMIP5 models. *Journal of Climate*, **2018**, 31, 2345-2360	4.4	22
27	Diagnosing Warm Frontal Cloud Formation in a GCM: A Novel Approach Using Conditional Subsetting. *Journal of Climate*, **2013**, 26, 5827-5845	4.4	20
26	An examination of extratropical cyclone response to changes in baroclinicity and temperature in an idealized environment. *Climate Dynamics*, **2018**, 51, 3829-3846	4.2	17
25	The Relationship Between Extratropical Cyclone Steering and Blocking Along the North American East Coast. *Geophysical Research Letters*, **2017**, 44, 11,976-11,984	4.9	16

24	New York City Panel on Climate Change 2019 Report Chapter 2: New Methods for Assessing Extreme Temperatures, Heavy Downpours, and Drought. *Annals of the New York Academy of Sciences*, **2019**, 1439, 30-70	6.5	15
23	Multiple satellite observations of cloud cover in extratropical cyclones. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 9982-9996	4.4	15
22	New York City Panel on Climate Change 2019 Report Chapter 4: Coastal Flooding. *Annals of the New York Academy of Sciences*, **2019**, 1439, 95-114	6.5	14
21	Effective stability in a moist baroclinic wave. *Atmospheric Science Letters*, **2015**, 16, 56-62	2.4	13
20	Observational Constraint for Precipitation in Extratropical Cyclones: Sensitivity to Data Sources. *Journal of Applied Meteorology and Climatology*, **2018**, 57, 991-1009	2.7	12
19	Extratropical Cyclone Precipitation Life Cycles: A Satellite-Based Analysis. *Geophysical Research Letters*, **2018**, 45, 8647-8654	4.9	12
18	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. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,117	4.4	12
17	Classifying Urban Rainfall Extremes Using Weather Radar Data: An Application to the Greater New York Area. *Journal of Hydrometeorology*, **2017**, 18, 611-623	3.7	11
16	SynthETC: A Statistical Model for Severe Winter Storm Hazard on Eastern North America. *Journal of Climate*, **2017**, 30, 5329-5343	4.4	9
15	Track and Circulation Analysis of Tropical and Extratropical Cyclones that Cause Strong Precipitation and Streamflow Events in the New York City Watershed. *Journal of Hydrometeorology*, **2018**, 19, 1027-1042	3.7	9
14	Isolating the role of mesoscale eddies in mixing of a passive tracer in an eddy resolving model. *Journal of Geophysical Research*, **2008**, 113,		8
13	The Interaction Between Boundary Layer and Convection Schemes in a WRF Simulation of Post Cold Frontal Clouds Over the ARM East North Atlantic Site. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 4699-4721	4.4	6
12	Extratropical Cyclone Clouds in the GFDL Climate Model: Diagnosing Biases and the Associated Causes. *Journal of Climate*, **2019**, 32, 6685-6701	4.4	5
11	Relationships Between Precipitation Properties and Large-Scale Conditions During Subsidence at the Eastern North Atlantic Observatory. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031848	4.4	5
10	Upright Convection in Extratropical Cyclones: A Survey Using Ground-Based Radar Data Over the United States. *Geophysical Research Letters*, **2020**, 47, e2019GL086620	4.9	5
9	Winter storm intensity, hazards, and property losses in the New York tristate area. *Annals of the New York Academy of Sciences*, **2017**, 1400, 65-80	6.5	5
8	WRF hindcasts of cold front passages over the ARM Eastern North Atlantic Site: a sensitivity study. *Monthly Weather Review*, **2018**, 146, 2417-2432	2.4	4
7	Evaluation of Modeled Precipitation in Oceanic Extratropical Cyclones Using IMERG. *Journal of Climate*, **2020**, 33, 95-113	4.4	4

6	Atmospheric blocking in an aquaplanet and the impact of orography. *Weather and Climate Dynamics* , **2020**, 1, 293-311	3.3	3
5	On the Relationship Between the Marine Cold Air Outbreak M Parameter and Low-Level Cloud Heights in the Midlatitudes. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032465	4.4	3
4	The impact of Coriolis approximations on the environmental sensitivity of idealized extratropical cyclones. *Climate Dynamics*, **2019**, 53, 7065-7080	4.2	1
3	Blocking and General Circulation in GFDL Comprehensive Climate Models. *Journal of Climate*, **2022**, 1-54	4.4	1
2	Tropical cyclone storm surge probabilities for the east coast of the United States: a cyclone-based perspective. *Natural Hazards and Earth System Sciences*, **2022**, 22, 1287-1300	3.9	1
1	Understanding the Spatial Organization of Simultaneous Heavy Precipitation Events Over the Conterminous United States. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033036	4.4	0