

# Robert E Hart

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,164  
citations

361413

20  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1532  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Extratropical Transition of Tropical Cyclones: Forecast Challenges, Current Understanding, and Future Directions. <i>Weather and Forecasting</i> , 2003, 18, 1052-1092.	1.4	395
2	A Cyclone Phase Space Derived from Thermal Wind and Thermal Asymmetry. <i>Monthly Weather Review</i> , 2003, 131, 585-616.	1.4	335
3	A Climatology of the Extratropical Transition of Atlantic Tropical Cyclones. <i>Journal of Climate</i> , 2001, 14, 546-564.	3.2	255
4	An Examination of Tropical Cyclone Position, Intensity, and Intensity Life Cycle within Atmospheric Reanalysis Datasets. <i>Journal of Climate</i> , 2012, 25, 3453-3475.	3.2	132
5	Objective Indicators of the Life Cycle Evolution of Extratropical Transition for Atlantic Tropical Cyclones. <i>Monthly Weather Review</i> , 2003, 131, 909-925.	1.4	131
6	The Extratropical Transition of Tropical Cyclones. Part I: Cyclone Evolution and Direct Impacts. <i>Monthly Weather Review</i> , 2017, 145, 4317-4344.	1.4	102
7	Using Normalized Climatological Anomalies to Rank Synoptic-Scale Events Objectively. <i>Monthly Weather Review</i> , 2001, 129, 2426-2442.	1.4	101
8	Synoptic Composites of the Extratropical Transition Life Cycle of North Atlantic Tropical Cyclones: Factors Determining Posttransition Evolution. <i>Monthly Weather Review</i> , 2006, 134, 553-578.	1.4	85
9	Estimating Local Memory of Tropical Cyclones through MPI Anomaly Evolution. <i>Monthly Weather Review</i> , 2007, 135, 3990-4005.	1.4	84
10	An Evaluation of Tropical Cyclone Genesis Forecasts from Global Numerical Models. <i>Weather and Forecasting</i> , 2013, 28, 1423-1445.	1.4	67
11	Atlantic Subtropical Storms. Part II: Climatology. <i>Journal of Climate</i> , 2009, 22, 3574-3594.	3.2	57
12	Analysis of the Wind Field Evolution Associated with the Extratropical Transition of Bonnie (1998). <i>Monthly Weather Review</i> , 2008, 136, 2047-2065.	1.4	37
13	An inverse relationship between aggregate northern hemisphere tropical cyclone activity and subsequent winter climate. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	34
14	Analyzing Simulated Convective Bursts in Two Atlantic Hurricanes. Part I: Burst Formation and Development. <i>Monthly Weather Review</i> , 2017, 145, 3073-3094.	1.4	32
15	Analyzing Simulated Convective Bursts in Two Atlantic Hurricanes. Part II: Intensity Change due to Bursts. <i>Monthly Weather Review</i> , 2017, 145, 3095-3117.	1.4	32
16	Hurricane Eyewall Slope as Determined from Airborne Radar Reflectivity Data: Composites and Case Studies. <i>Weather and Forecasting</i> , 2013, 28, 368-386.	1.4	30
17	Evolution of North Atlantic ERA40 tropical cyclone representation. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	27
18	Shear-Relative Asymmetries in Tropical Cyclone Eyewall Slope. <i>Monthly Weather Review</i> , 2015, 143, 883-903.	1.4	25

#	ARTICLE	IF	CITATIONS
19	An Investigation of Center-Finding Techniques for Tropical Cyclones in Mesoscale Models. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 825-846.	1.5	25
20	Global Identification of Previously Undetected Pre-Satellite-Era Tropical Cyclone Candidates in NOAA/CIRES Twentieth-Century Reanalysis Data. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 2243-2259.	1.5	22
21	The Arbitrary Definition of the Current Atlantic Major Hurricane Landfall Drought. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 713-722.	3.3	20
22	Verification of Tropical Cyclone Genesis Forecasts from Global Numerical Models: Comparisons between the North Atlantic and Eastern North Pacific Basins. <i>Weather and Forecasting</i> , 2016, 31, 947-955.	1.4	20
23	Observed Kinematic and Thermodynamic Structure in the Hurricane Boundary Layer during Intensity Change. <i>Monthly Weather Review</i> , 2019, 147, 2765-2785.	1.4	16
24	Quantifying the possible existence of undocumented Atlantic warm-core cyclones in NOAA/CIRES 20th Century Reanalysis data. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	15
25	Tropical Cyclone Formation Guidance Using Pregenesis Dvorak Climatology. Part I: Operational Forecasting and Predictive Potential. <i>Weather and Forecasting</i> , 2013, 28, 100-118.	1.4	14
26	The Development and Evaluation of a Statisticalâ€“Dynamical Tropical Cyclone Genesis Guidance Tool. <i>Weather and Forecasting</i> , 2017, 32, 27-46.	1.4	13
27	The Evolution of Dropsonde-Derived Kinematic and Thermodynamic Structures in Developing and Nondeveloping Atlantic Tropical Convective Systems. <i>Monthly Weather Review</i> , 2015, 143, 3109-3135.	1.4	11
28	An Examination of the Thermodynamic Impacts of Western North Pacific Tropical Cyclones on Their Tropical Tropospheric Environment. <i>Journal of Climate</i> , 2015, 28, 7529-7560.	3.2	11
29	An Analysis of the Environmental Moisture Impacts of Western North Pacific Tropical Cyclones. <i>Journal of Climate</i> , 2015, 28, 2600-2622.	3.2	9
30	A Comparison of Tropical Cyclone Genesis Forecast Verification from Three Global Forecast System (GFS) Operational Configurations. <i>Weather and Forecasting</i> , 2020, 35, 1801-1815.	1.4	8
31	Asymmetric Hurricane Boundary Layer Structure during Storm Decay. Part I: Formation of Descending Inflow. <i>Monthly Weather Review</i> , 2021, 149, 3851-3874.	1.4	7
32	A Polygon-Based Line-Integral Method for Calculating Vorticity, Divergence, and Deformation from Nonuniform Observations. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 1511-1521.	1.5	5
33	A Spatial Filter Approach to Evaluating the Role of Convection on the Evolution of a Mesoscale Vortex. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1954-1976.	1.7	4
34	An Objective Identification and Climatology of Upper-Tropospheric Jets near Atlantic Tropical Cyclones. <i>Monthly Weather Review</i> , 2020, 148, 3015-3036.	1.4	2
35	Asymmetric Hurricane Boundary Layer Structure during Storm Decay. Part II: Secondary Eyewall Formation. <i>Monthly Weather Review</i> , 2022, 150, 1915-1936.	1.4	1