Characterization of rainfall distribution and flooding as tropical cyclones: Analyses of Hurricanes Frances, Ivan,

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Citation Report

#	Article	IF	Citations
1	Seasonal tropical cyclone precipitation in Texas: A statistical modeling approach based on a 60 year climatology. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8842-8856.	1.2	11
2	Threshold modeling of extreme spatial rainfall. Water Resources Research, 2013, 49, 4633-4644.	1.7	66
3	Mapping the world's tropical cyclone rainfall contribution over land using the TRMM Multiâ€satellite Precipitation Analysis. Water Resources Research, 2013, 49, 7236-7254.	1.7	74
4	Determining tropical cyclone inland flooding loss on a large scale through a new flood peak ratio-based methodology. Environmental Research Letters, 2013, 8, 044056.	2.2	45
5	Flooding associated with predecessor rain events over the Midwest United States. Environmental Research Letters, 2013, 8, 024007.	2.2	18
6	The Influence of Atlantic Tropical Cyclones on Drought over the Eastern United States (1980â€“2007). Journal of Climate, 2013, 26, 3067-3086.	1.2	58
7	Variations in tropical cyclone precipitation in Texas (1950 to 2009). Journal of Geophysical Research D: Atmospheres, 2013, 118, 3085-3096.	1.2	22
8	North Atlantic Tropical Cyclones and U.S. Flooding. Bulletin of the American Meteorological Society, 2014, 95, 1381-1388.	1.7	107
9	Prediction and uncertainty of Hurricane Sandy (2012) explored through a realâ€time cloudâ€permitting ensemble analysis and forecast system assimilating airborne Doppler radar observations. Journal of Advances in Modeling Earth Systems, 2014, 6, 38-58.	1.3	40
10	On the Seasonal Forecasting of Regional Tropical Cyclone Activity. Journal of Climate, 2014, 27, 7994-8016.	1.2	340
11	Conditions associated with large rain-field areas for tropical cyclones landfalling over Florida. Physical Geography, 2014, 35, 93-106.	0.6	25
12	Flood frequency analysis using radar rainfall fields and stochastic storm transposition. Water Resources Research, 2014, 50, 1592-1615.	1.7	87
13	Longâ€Term Highâ€Resolution Radar Rainfall Fields for Urban Hydrology. Journal of the American Water Resources Association, 2014, 50, 713-734.	1.0	40
14	Mapping the role of tropical cyclones on the hydroclimate of the southeast United States: 2002â€“2011. International Journal of Climatology, 2014, 34, 494-517.	1.5	37
15	Flood response for the watersheds of the <scp>F</scp>ernow <scp>E</scp>xperimental <scp>F</scp>orest in the central <scp>A</scp>ppalachians. Water Resources Research, 2015, 51, 4431-4453.	1.7	4
16	The contribution of tropical cyclones to rainfall in Mexico. Physics and Chemistry of the Earth, 2015, 83-84, 111-122.	1.2	38
17	Diurnal variations of tropical cyclone precipitation in the inner and outer rainbands. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1-11.	1.2	28
18	Regional climate model projections of rainfall from U.S. landfalling tropical cyclones. Climate Dynamics, 2015, 45, 3365-3379.	1.7	58

#	Article	IF	Citations
19	Climatology in support of climate risk management. Progress in Physical Geography, 2015, 39, 536-553.	1.4	14
20	Fast Playback Framework for Analysis of Ground-Based Doppler Radar Observations Using MapReduce Technology. Journal of Atmospheric and Oceanic Technology, 2016, 33, 621-634.	0.5	5
21	Assessment and Implications of NCEP Stage IV Quantitative Precipitation Estimates for Product Intercomparisons. Weather and Forecasting, 2016, 31, 371-394.	0.5	145
22	Extreme Rainfall from Landfalling Tropical Cyclones in the Eastern United States: Hurricane Irene (2011). Journal of Hydrometeorology, 2016, 17, 2883-2904.	0.7	30
23	Toward economic flood loss characterization via hazard simulation. Environmental Research Letters, 2016, 11, 084006.	2.2	2
24	Atmospheric Rivers and Rainfall during NASAâ€™s Iowa Flood Studies (IFloodS) Campaign*. Journal of Hydrometeorology, 2016, 17, 257-271.	0.7	24
25	Interplay of drought and tropical cyclone activity in SE U.S. gross primary productivity. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1540-1567.	1.3	9
26	Spatial characteristics of stormâ€total rainfall swaths associated with tropical cyclones over the Eastern United States. International Journal of Climatology, 2017, 37, 557-569.	1.5	26
27	Contribution of Tropical Cyclones to Rainfall at the Global Scale. Journal of Climate, 2017, 30, 359-372.	1.2	153
28	An Extraction Method for Long-Term Tropical Cyclone Precipitation from Daily Rain Gauges. Journal of Hydrometeorology, 2017, 18, 2559-2576.	0.7	9
29	Comparing the Spatial Patterns of Rainfall and Atmospheric Moisture among Tropical Cyclones Having a Track Similar to Hurricane Irene (2011). Atmosphere, 2017, 8, 165.	1.0	15
30	The Impact of Tropical Cyclones on Extreme Precipitation over Coastal and Inland Areas of China and Its Association to ENSO. Journal of Climate, 2018, 31, 1865-1880.	1.2	78
31	The added value of IMERG in characterizing rainfall in tropical cyclones. Atmospheric Research, 2018, 209, 95-102.	1.8	51
32	The Impact of Rainfall Spaceâ€Time Structure in Flood Frequency Analysis. Water Resources Research, 2018, 54, 8983-8998.	1.7	69
33	Investigation of Atmospheric Rivers Impacting the Pigeon River Basin of the Southern Appalachian Mountains. Weather and Forecasting, 2018, 33, 283-299.	0.5	16
34	Conditions associated with rain field size for tropical cyclones landfalling over the Eastern United States. Atmospheric Research, 2018, 214, 375-385.	1.8	26
35	Strange Floods: The Upper Tail of Flood Peaks in the United States. Water Resources Research, 2018, 54, 6510-6542.	1.7	69
36	Projection of Landfallingâ€“Tropical Cyclone Rainfall in the Eastern United States under Anthropogenic Warming. Journal of Climate, 2018, 31, 7269-7286.	1.2	37

#	Article	IF	Citations
37	Using an Object-Based Approach to Quantify the Spatial Structure of Reflectivity Regions in Hurricane Isabel (2003). Part I: Comparisons between Radar Observations and Model Simulations. Monthly Weather Review, 2018, 146, 1319-1340.	0.5	18
38	A Nowcasting Model for Tropical Cyclone Precipitation Regions Based on the TREC Motion Vector Retrieval with a Semi-Lagrangian Scheme for Doppler Weather Radar. Atmosphere, 2018, 9, 200.	1.0	11
39	Flood-induced mortality across the globe: Spatiotemporal pattern and influencing factors. Science of the Total Environment, 2018, 643, 171-182.	3.9	156
40	Variations in the Intensity and Spatial Extent of Tropical Cyclone Precipitation. Geophysical Research Letters, 2019, 46, 13992-14002.	1.5	37
41	Incorporating inland flooding into hurricane evacuation decision support modeling. Natural Hazards, 2019, 96, 857-878.	1.6	19
42	The Spatial Dependence of Flood Hazard and Risk in the United States. Water Resources Research, 2019, 55, 1890-1911.	1.7	72
43	Regional Differences in the Spatial Patterns of North Atlantic Tropical Cyclone Rainbands Through Landfall. Southeastern Geographer, 2019, 59, 294-320.	0.1	5
44	Hydroâ€meteorological approach for the estimation of hurricaneâ€induced floods. Journal of Flood Risk Management, 2019, 12, .	1.6	2
45	Detecting flood prone areas in Harris County: a GIS based analysis. Geo Journal, 2020, 85, 647-663.	1.7	37
46	On the relationship between intensity changes and rainfall distribution in tropical cyclones over the North Indian Ocean. International Journal of Climatology, 2020, 40, 2015-2025.	1.5	29
47	Spatiotemporal Variability of Tropical Cyclone Precipitation Using a High-Resolution, Gridded (0.25Â° Ã— Tj ETQq0 0 0 rgBT /Overlock 1	1.2	11
48	Spatial Footprints of Storm Surges Along the Global Coastlines. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016367.	1.0	15
49	Rainfall Symmetry Related to Moisture, Storm Intensity, and Vertical Wind Shear for Tropical Cyclones Landfalling over the U.S. Gulf Coastline. Atmosphere, 2020, 11, 895.	1.0	6
50	Impacts of Hurricane Winds and Precipitation on Hydrodynamics in a Backâ€Barrier Estuary. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016483.	1.0	4
51	Comparative analysis of scalar upper tail indicators. Hydrological Sciences Journal, 2020, 65, 1625-1639.	1.2	14
52	A Research Framework to Integrate Cross-Ecosystem Responses to Tropical Cyclones. BioScience, 2020, 70, 477-489.	2.2	33
53	Spatio-Temporal Analysis of Precipitation Frequency in Texas Using High-Resolution Radar Products. Water (Switzerland), 2020, 12, 1378.	1.2	5
54	Meteorological aspects of heavy precipitation in relation to floods â€“ An overview. Earth-Science Reviews, 2020, 204, 103171.	4.0	35

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55	Response of Extreme Rainfall for Landfalling Tropical Cyclones Undergoing Extratropical Transition to Projected Climate Change: Hurricane Irene (2011). Earth's Future, 2020, 8, e2019EF001360.	2.4	16
56	Projections of tropical cyclone rainfall over land with an Eulerian approach: Case study of three islands in the West Indies. International Journal of Climatology, 2021, 41, E1164.	1.5	2
57	Hurricane Freshwater Flood Risk Assessment Model for Residential Buildings in Southeast US Coastal States Considering Climate Change. Natural Hazards Review, 2021, 22, .	0.8	3
58	Tropical cyclone precipitation in the HighResMIP atmosphere-only experiments of the PRIMAVERA Project. Climate Dynamics, 2021, 57, 253-273.	1.7	23
59	Simultaneous and collocated tornado and flash flood warnings associated with tropical cyclones in the contiguous United States. International Journal of Climatology, 2021, 41, 4253-4264.	1.5	3
60	Time Series Analysis of Monthly and Annual Precipitation in The State of Texas Using High-Resolution Radar Products. Water (Switzerland), 2021, 13, 982.	1.2	4
61	Probabilistic rainfall generator for tropical cyclones affecting Louisiana. International Journal of Climatology, 2022, 42, 1789-1802.	1.5	6
62	Extreme Translation Events of Atlantic Tropical Cyclones. Atmosphere, 2021, 12, 1032.	1.0	3
63	Economic damages due to extreme precipitation during tropical storms: evidence from Jamaica. Natural Hazards, 2022, 110, 2059-2086.	1.6	7
64	Climatological analysis of tropical cyclone impacts on hydrological extremes in the Mid-Atlantic region of the United States. Environmental Research Letters, 2021, 16, 124009.	2.2	6
65	Satellite Precipitation Measurement and Extreme Rainfall. Advances in Global Change Research, 2020, , 761-790.	1.6	1
66	Hydrometeorology and hydrology of flooding in Cape Fear River basin during Hurricane Florence in 2018. Journal of Hydrology, 2021, 603, 127139.	2.3	6
67	Episodic deluges in simulated hothouse climates. Nature, 2021, 599, 74-79.	13.7	11
68	Tropical Cyclone Flooding in the Carolinas. Journal of Hydrometeorology, 2022, 23, 53-70.	0.7	2
69	The role of cyclonic activity in tropical temperature-rainfall scaling. Nature Communications, 2021, 12, 6732.	5.8	9
70	Spatiotemporal variation in global floods with different affected areas and the contribution of influencing factors to flood-induced mortality (1985â€“2019). Natural Hazards, 2022, 111, 2601-2625.	1.6	12
71	Precipitation stable isotopic signatures of tropical cyclones in Metropolitan Manila, Philippines, show significant negative isotopic excursions. Natural Hazards and Earth System Sciences, 2022, 22, 213-226.	1.5	8
72	US tropical cyclone flood risk: Storm surge versus freshwater. Risk Analysis, 2022, , .	1.5	3

#	Article	IF	Citations
73	Understanding Uncertainties in Tropical Cyclone Rainfall Hazard Modeling Using Synthetic Storms. Journal of Hydrometeorology, 2022, 23, 925-946.	0.7	4
74	Impact of environmental variables on the North Indian Ocean tropical cyclones radial parameters. Climate Dynamics, 0, , .	1.7	1
75	Precipitation Characteristics of Cyclonic Disturbances over the South Asia Region as Revealed by TRMM and GPM. Journal of Climate, 2022, 35, 4943-4957.	1.2	3
76	Tropical cyclone climatology, variability, and trends in the Tonga region, Southwest Pacific. Weather and Climate Extremes, 2022, 37, 100483.	1.6	4
77	On the generation of highâ€resolution probabilistic design events capturing the joint occurrence of rainfall and storm surge in coastal basins. International Journal of Climatology, 0, , .	1.5	5
78	Predicting flood damage using the flood peak ratio and Giovanni Flooded Fraction. PLoS ONE, 2022, 17, e0271230.	1.1	2
79	The effect of spatialâ€“temporal characteristics of rainfall on urban inundation processes. Hydrological Processes, 2022, 36, .	1.1	5
80	Examinations on global changes in the total and spatial extent of tropical cyclone precipitation relating to rapid intensification. Science of the Total Environment, 2022, 853, 158555.	3.9	1
81	Quantifying Heavy Precipitation throughout the Entire Tropical Cyclone Life Cycle. Journal of Hydrometeorology, 2022, 23, 1645-1662.	0.7	2
82	A multi-decadal analysis of river discharge and suspended sediment load in three Texas coastal rivers in relation to hurricanes, seasonal rainfall, and ENSO. Frontiers in Earth Science, 0, 10, .	0.8	1
83	Understanding the role of initial soil moisture and precipitation magnitude in flood forecast using a hydrometeorological modelling system. Hydrological Processes, 2022, 36, .	1.1	8
84	Characteristics of tropical cyclones through remote sensing-based observational platforms. , 2023, , 325-354.		2
85	Spatially coherent statistical simulation of widespread flooding events under climate change. Hydrology Research, 0, , .	1.1	2
86	Strange Storms: Rainfall Extremes From the Remnants of Hurricane Ida (2021) in the Northeastern US. Water Resources Research, 2023, 59, .	1.7	3