

Barry D Keim

List of Publications by Year in descending order

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69
papers

3,171
citations

186265
28
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161849
54
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69
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69
docs citations

69
times ranked

3398
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood frequency in China's Poyang Lake region: trends and teleconnections. <i>International Journal of Climatology</i> , 2006, 26, 1255-1266.	3.5	341
2	The effects of deforestation on the hydrological cycle in Amazonia: a review on scale and resolution. <i>International Journal of Climatology</i> , 2007, 27, 633-647.	3.5	201
3	Spatiotemporal Patterns and Return Periods of Tropical Storm and Hurricane Strikes from Texas to Maine. <i>Journal of Climate</i> , 2007, 20, 3498-3509.	3.2	195
4	Regional variation in perceptions about climate change. <i>International Journal of Climatology</i> , 2009, 29, 2348-2352.	3.5	192
5	A review of tropical cyclone-generated storm surges: Global data sources, observations, and impacts. <i>Reviews of Geophysics</i> , 2015, 53, 545-591.	23.0	189
6	Changes in the Proportion of Precipitation Occurring as Snow in New England (1949-2000). <i>Journal of Climate</i> , 2004, 17, 2626-2636.	3.2	188
7	Trends in Daily Temperature and Precipitation Extremes for the Southeastern United States: 1948-2012. <i>Journal of Climate</i> , 2015, 28, 1592-1612.	3.2	117
8	Tropicalization of temperate ecosystems in North America: The northward range expansion of tropical organisms in response to warming winter temperatures. <i>Global Change Biology</i> , 2021, 27, 3009-3034.	9.5	108
9	Ski areas, weather and climate: time series models for New England case studies. <i>International Journal of Climatology</i> , 2007, 27, 2113-2124.	3.5	97
10	Weather, Climate, and the Economy: Explaining Risk Perceptions of Global Warming, 2001-10*. <i>Weather, Climate, and Society</i> , 2014, 6, 119-134.	1.1	85
11	NEW ENGLAND DROUGHT AND RELATIONS WITH LARGE SCALE ATMOSPHERIC CIRCULATION PATTERNS1. <i>Journal of the American Water Resources Association</i> , 2002, 38, 1287-1299.	2.4	75
12	Spatial and temporal variability of coastal storms in the North Atlantic Basin. <i>Marine Geology</i> , 2004, 210, 7-15.	2.1	70
13	Wavelet Analysis of Dam Injection and Discharge in Three Gorges Dam and Reservoir with Precipitation and River Discharge. <i>Water (Switzerland)</i> , 2022, 14, 567.	2.7	65
14	A storm surge database for the US Gulf Coast. <i>International Journal of Climatology</i> , 2012, 32, 2108-2123.	3.5	59
15	U.S. East Coast Trough Indices at 500 hPa and New England Winter Climate Variability. <i>Journal of Climate</i> , 2002, 15, 3509-3517.	3.2	57
16	The Influence of Regional Storm Tracking and Teleconnections on Winter Precipitation in the Northeastern United States. <i>Annals of the American Association of Geographers</i> , 2003, 93, 544-556.	3.0	57
17	Warming winters and New Hampshire's lost ski areas: an integrated case study. <i>International Journal of Sociology and Social Policy</i> , 2003, 23, 52-73.	1.2	53
18	SPATIAL, SYNOPTIC, AND SEASONAL PATTERNS OF HEAVY RAINFALL IN THE SOUTHEASTERN UNITED STATES. <i>Physical Geography</i> , 1996, 17, 313-328.	1.4	47

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19	Are there spurious temperature trends in the United States Climate Division database?. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	46
20	Annual Volume and Area Variations in Tropical Cyclone Rainfall over the Eastern United States. <i>Journal of Climate</i> , 2010, 23, 4363-4374.	3.2	44
21	Preliminary Analysis of the Temporal Patterns of Heavy Rainfall across the Southeastern United States. <i>Professional Geographer</i> , 1997, 49, 94-104.	1.8	41
22	Are there spurious precipitation trends in the United States Climate Division database?. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	41
23	Long-term trends of precipitation and runoff in Louisiana, USA. <i>International Journal of Climatology</i> , 1995, 15, 531-541.	3.5	38
24	Hurricane Ivan's Impact along the northern Gulf Of Mexico. <i>Eos</i> , 2005, 86, 497.	0.1	35
25	A water balance model to study the hydrological response to different scenarios of deforestation in Amazonia. <i>Journal of Hydrology</i> , 2006, 331, 125-136.	5.4	35
26	Contributions of Atlantic tropical cyclones to monthly and seasonal rainfall in the eastern United States 1960â€“2007. <i>Theoretical and Applied Climatology</i> , 2011, 103, 213-227.	2.8	33
27	A Synoptic Evaluation of Frequencies and Intensities of Extreme Three-and 24-Hour Rainfall in Louisianaâ€“. <i>Professional Geographer</i> , 1994, 46, 156-163.	1.8	30
28	Hydroclimate Analysis of Severe Floods in Chinaâ€™s Poyang Lake Region. <i>Earth Interactions</i> , 2012, 16, 1-16.	1.5	29
29	An Empirical Analysis on the Relationship between Tropical Cyclone Size and Storm Surge Heights along the U.S. Gulf Coast. <i>Earth Interactions</i> , 2014, 18, 1-15.	1.5	29
30	Surface wind speed: trend and climatology of Brazil from 1980â€“2014. <i>International Journal of Climatology</i> , 2018, 38, 1060-1073.	3.5	29
31	Wildfire, climate, and perceptions in Northeast Oregon. <i>Regional Environmental Change</i> , 2016, 16, 1819-1832.	2.9	27
32	Understanding perceptions of changing hurricane strength along the US Gulf coast. <i>International Journal of Climatology</i> , 2017, 37, 1716-1727.	3.5	27
33	A Technique to Measure Trends in the Frequency of Discrete Random Events. <i>Journal of Climate</i> , 1998, 11, 848-855.	3.2	26
34	Hydroclimatology of the U.S. Gulf Coast Under Global Climate Change Scenarios. <i>Physical Geography</i> , 2011, 32, 561-582.	1.4	26
35	Variability of rainfall from tropical cyclones in the eastern USA and its association to the AMO and ENSO. <i>Theoretical and Applied Climatology</i> , 2013, 112, 273-283.	2.8	26
36	Correlating Storm Surge Heights with Tropical Cyclone Winds at and before Landfall. <i>Earth Interactions</i> , 2014, 18, 1-26.	1.5	26

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37	Position of the South Atlantic Anticyclone and Its Impact on Surface Conditions across Brazil. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 535-553.	1.5	26
38	Climatology and Trends in Hourly Precipitation for the Southeast United States. <i>Journal of Hydrometeorology</i> , 2019, 20, 1737-1755.	1.9	26
39	A Global Database of Tropical Storm Surges. <i>Eos</i> , 2013, 94, 213-214.	0.1	21
40	HEAVY RAINFALL DISTRIBUTIONS BY SEASON IN LOUISIANA: SYNOPTIC INTERPRETATIONS AND QUANTILE ESTIMATES. <i>Journal of the American Water Resources Association</i> , 1996, 32, 117-124.	2.4	20
41	TEMPORAL FLUCTUATIONS OF HEAVY RAINFALL MAGNITUDES IN NEW ORLEANS, LOUISIANA: 1871-1991. <i>Journal of the American Water Resources Association</i> , 1992, 28, 721-730.	2.4	19
42	The Lasting Scientific Impact of the Thornthwaite Water Balance Model. <i>Geographical Review</i> , 2010, 100, 295-300.	1.8	19
43	Science, Scientists, and Local Weather: Understanding Mass Perceptions of Global Warming*. <i>Social Science Quarterly</i> , 2016, 97, 1023-1057.	1.6	19
44	Trends in precipitation days in the United States. <i>International Journal of Climatology</i> , 2020, 40, 1038-1048.	3.5	18
45	Record Precipitation Totals from the Coastal New England Rainstorm of 20-21 October 1996. <i>Bulletin of the American Meteorological Society</i> , 1998, 79, 1061-1067.	3.3	16
46	Trends and Spatial Variability in Dry Spells across the South-Central United States. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 2261-2272.	1.5	16
47	Trend Analysis of Multiple Extreme Hourly Precipitation Time Series in the Southeastern United States. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 427-442.	1.5	16
48	SPATIAL AND TEMPORAL CHARACTERISTICS OF EXTREME-HIGH-SUMMER-TEMPERATURE EVENTS IN THE SOUTH-CENTRAL UNITED STATES. <i>Physical Geography</i> , 1994, 15, 310-324.	1.4	15
49	Modeling Hydroclimatic Change in Southwest Louisiana Rivers. <i>Water (Switzerland)</i> , 2018, 10, 596.	2.7	14
50	Flood hazards and perceptions – A comparative study of two cities in Alabama. <i>Journal of Hydrology</i> , 2019, 569, 546-555.	5.4	14
51	A comparison of techniques to produce quantile estimates of heavy rainfall in arid and mountainous environments: a test case in western Texas. <i>Journal of Arid Environments</i> , 2000, 44, 267-275.	2.4	12
52	Spuriously induced precipitation trends in the southeast United States. <i>Theoretical and Applied Climatology</i> , 2009, 96, 173-177.	2.8	12
53	Spatial and Temporal Patterns of In Situ Sea Surface Temperatures within the Gulf of Mexico from 1901-2010. <i>American Journal of Climate Change</i> , 2016, 05, 314-343.	0.9	11
54	Frequency of Heavy Rainfall Events in New Orleans, Louisiana, 1900 to 1991. <i>Southeastern Geographer</i> , 1993, 33, 159-171.	0.2	9

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55	How Rare Was the August 2016 South-Central Louisiana Heavy Rainfall Event?. Journal of Hydrometeorology, 2020, 21, 773-790.	1.9	9
56	Precipitation Annual Maxima as a Measure of Change in Extreme Rainfall Magnitudes in the Southeastern United States over the Past Century. Southeastern Geographer, 1999, 39, 235-245.	0.2	8
57	Occurrence dates of North Atlantic tropical storms and hurricanes: 2005 in perspective. Geophysical Research Letters, 2006, 33, .	4.0	8
58	Three-Hour and Twenty-Four-Hour Rainstorm Ratios across the Southern United States. Journal of Hydrologic Engineering - ASCE, 2008, 13, 101-104.	1.9	8
59	Flood risk forecast for China's Poyang Lake region. Physical Geography, 2016, 37, 88-91.	1.4	8
60	An assessment of the extremes and impacts of the February 2021 South-Central U.S. Arctic outbreak, and how climate services can help. Weather and Climate Extremes, 2022, 36, 100461.	4.1	8
61	Hourly rainfall climatology of Louisiana. Theoretical and Applied Climatology, 2019, 137, 2011-2027.	2.8	7
62	Storm Surge Return Periods for the United States Gulf Coast. , 2012, , .		6
63	A hybrid procedure for classifying synoptic weather types for Louisiana, <scp>USA</scp>. International Journal of Climatology, 2015, 35, 4247-4261.	3.5	5
64	Assessment of the Extreme Rainfall Event at Nashville, TN and the Surrounding Region on May 1st, 2010. Journal of the American Water Resources Association, 2018, 54, 1001-1010.	2.4	5
65	A Survey for Weather Communicators: Twitter and Information Channel Preferences. Weather, Climate, and Society, 2019, 11, 595-607.	1.1	5
66	Western Range Boundaries Of Floodplain Trees in the Southeastern United States. Geographical Review, 2012, 102, 35-52.	1.8	4
67	Content driving exposure and attention to tweets during local, high-impact weather events. Natural Hazards, 2020, 103, 2207-2229.	3.4	3
68	How robust is the pre-1931 National Climatic Data Center's climate divisional dataset? Examples from Georgia and Louisiana. Theoretical and Applied Climatology, 2015, 120, 323-330.	2.8	0
69	Spatial and temporal characteristics of tropical cyclone strikes in the northeastern Pacific Basin between San Diego, California and Las Peñasitas, Nicaragua. International Journal of Climatology, 2021, 41, E2178.	3.5	0