James B Elsner

List of Publications by Year
in descending order

85 papers	3,339 citations	236925 25 h-index	155660 55 g-index
96 all docs	96 docs citations	96 times ranked	2880 citing authors

#	Article	IF	Citations
1	The increasing intensity of the strongest tropical cyclones. Nature, 2008, 455, 92-95.	27.8	923
2	Tracking Hurricanes. Bulletin of the American Meteorological Society, 2003, 84, 353-356.	3.3	167
3	Climatology Models for Extreme Hurricane Winds near the United States. Journal of Climate, 2006, 19, 3220-3236.	3.2	153
4	Prediction Models for Annual U.S. Hurricane Counts. Journal of Climate, 2006, 19, 2935-2952.	3.2	144
5	Changes in the rates of North Atlantic major hurricane activity during the 20th century. Geophysical Research Letters, 2000, 27, 1743-1746.	4.0	124
6	A Hierarchical Bayesian Approach to Seasonal Hurricane Modeling. Journal of Climate, 2004, 17, 2813-2827.	3.2	99
7	Evidence in support of the climate changeâ€"Atlantic hurricane hypothesis. Geophysical Research Letters, 2006, 33, .	4.0	96
8	Secular changes to the ENSO-U.S. hurricane relationship. Geophysical Research Letters, 2001, 28, 4123-4126.	4.0	86
9	Detecting Shifts in Hurricane Rates Using a Markov Chain Monte Carlo Approach. Journal of Climate, 2004, 17, 2652-2666.	3.2	80
10	The increasing efficiency of tornado days in the United States. Climate Dynamics, 2015, 45, 651-659.	3.8	80
11	Global tropical cyclone activity: A link to the North Atlantic Oscillation. Geophysical Research Letters, 2000, 27, 129-132.	4.0	75
12	Trade-off between intensity and frequency of global tropical cyclones. Nature Climate Change, 2015, 5, 661-664.	18.8	67
13	A Dynamic Probability Model of Hurricane Winds in Coastal Counties of the United States. Journal of Applied Meteorology and Climatology, 2001, 40, 853-863.	1.7	55
14	The Decreasing Population Bias in Tornado Reports across the Central Plains. Weather, Climate, and Society, 2013, 5, 221-232.	1.1	55
15	Comparison of Hurricane Return Levels Using Historical and Geological Records. Journal of Applied Meteorology and Climatology, 2008, 47, 368-374.	1.5	53
16	Granger causality and Atlantic hurricanes. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 476-485.	1.7	49
17	Predicting Spring Tornado Activity in the Central Great Plains by 1 March. Monthly Weather Review, 2014, 142, 259-267.	1.4	46
18	Modeling tropical cyclone intensity with quantile regression. International Journal of Climatology, 2009, 29, 1351-1361.	3.5	43

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19	Risk of Strong Hurricane Winds to Florida Cities. Journal of Applied Meteorology and Climatology, 2010, 49, 2121-2132.	1.5	43
20	Hurricane Climatology. , 2013, , .		40
21	Consensus on Climate Trends in Western North Pacific Tropical Cyclones. Journal of Climate, 2012, 25, 7564-7573.	3.2	38
22	Climate Mechanism for Stronger Typhoons in a Warmer World*. Journal of Climate, 2016, 29, 1051-1057.	3.2	38
23	Population and energy elasticity of tornado casualties. Geophysical Research Letters, 2017, 44, 3941-3949.	4.0	35
24	A space-time model for seasonal hurricane prediction. International Journal of Climatology, 2002, 22, 451-465.	3.5	34
25	Spatial grids for hurricane climate research. Climate Dynamics, 2012, 39, 21-36.	3.8	31
26	Increasingly Powerful Tornadoes in the United States. Geophysical Research Letters, 2019, 46, 392-398.	4.0	29
27	Variations in typhoon landfalls over China. Advances in Atmospheric Sciences, 2006, 23, 665-677.	4.3	27
28	Do Tropical Cyclones Shape Shorebird Habitat Patterns? Biogeoclimatology of Snowy Plovers in Florida. PLoS ONE, 2011, 6, e15683.	2.5	27
29	Observed versus GCM-Generated Local Tropical Cyclone Frequency: Comparisons Using a Spatial Lattice. Journal of Climate, 2013, 26, 8257-8268.	3.2	24
30	Statistical Models for Tornado Climatology: Long and Short-Term Views. PLoS ONE, 2016, 11, e0166895.	2.5	24
31	Improving Multiseason Forecasts of North Atlantic Hurricane Activity. Journal of Climate, 2008, 21, 1209-1219.	3.2	23
32	Influence of global warming on the rapid intensification of western North Pacific tropical cyclones. Environmental Research Letters, 2019, 14, 044027.	5.2	23
33	Forecasting US insured hurricane losses. , 2008, , 189-208.		22
34	Tornado Intensity Estimated from Damage Path Dimensions. PLoS ONE, 2014, 9, e107571.	2.5	21
35	Toward increased utilization of historical hurricane chronologies. Journal of Geophysical Research, 2010, 115, .	3.3	20
36	A Model for U.S. Tornado Casualties Involving Interaction between Damage Path Estimates of Population Density and Energy Dissipation. Journal of Applied Meteorology and Climatology, 2018, 57, 2035-2046.	1.5	20

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37	A Statistical Model for Regional Tornado Climate Studies. PLoS ONE, 2015, 10, e0131876.	2.5	18
38	A dasymetric method to spatially apportion tornado casualty counts. Geomatics, Natural Hazards and Risk, 2017, 8, 1768-1782.	4.3	18
39	Rayleigh-BÃ©nard convection as a tool for studying dust devils. Atmospheric Science Letters, 2001, 2, 104-113.	1.9	17
40	Continued Increases in the Intensity of Strong Tropical Cyclones. Bulletin of the American Meteorological Society, 2020, 101, E1301-E1303.	3.3	17
41	Climate and solar signals in property damage losses from hurricanes affecting the United States. Natural Hazards, 2011, 58, 541-557.	3.4	16
42	Evidence linking solar variability with US hurricanes. International Journal of Climatology, 2011, 31, 1897-1907.	3.5	16
43	Frequency, intensity, and sensitivity to sea surface temperature of North Atlantic tropical cyclones in bestâ€track and simulated data. Journal of Advances in Modeling Earth Systems, 2013, 5, 500-509.	3.8	16
44	A Bayesian geostatistical approach to modeling global distributions of Lygodium microphyllum under projected climate warming. Ecological Modelling, 2017, 363, 192-206.	2.5	16
45	Tempests in time. Nature, 2007, 447, 647-649.	27.8	15
46	Sensitivity of Limiting Hurricane Intensity to SST in the Atlantic from Observations and GCMs. Journal of Climate, 2013, 26, 5949-5957.	3.2	15
47	A Consensus Model for Seasonal Hurricane Prediction. Journal of Climate, 2010, 23, 6090-6099.	3.2	14
48	Risk assessment of hurricane winds for Eglin air force base in northwestern Florida, USA. Theoretical and Applied Climatology, 2011, 105, 287-296.	2.8	14
49	The Relationship between Elevation Roughness and Tornado Activity: A Spatial Statistical Model Fit to Data from the Central Great Plains. Journal of Applied Meteorology and Climatology, 2016, 55, 849-859.	1.5	14
50	Influence of Global Warming on Western North Pacific Tropical Cyclone Intensities during 2015. Journal of Climate, 2018, 31, 919-925.	3.2	14
51	The contribution of super typhoons to tropical cyclone activity in response to ENSO. Scientific Reports, 2019, 9, 5046.	3.3	14
52	A Spatial Point Process Model for Violent Tornado Occurrence in the US Great Plains. Mathematical Geosciences, 2013, 45, 667-679.	2.4	13
53	Public perception of climatological tornado risk in Tennessee, USA. International Journal of Biometeorology, 2018, 62, 1557-1566.	3.0	12
54	Unusually Devastating Tornadoes in the United States: 1995â€"2016. Annals of the American Association of Geographers, 2020, 110, 724-738.	2.2	12

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55	An empirical framework for tropical cyclone climatology. Climate Dynamics, 2012, 39, 669-680.	3.8	11
56	Kinetic Energy of Tornadoes in the United States. PLoS ONE, 2015, 10, e0131090.	2.5	11
57	The sun-hurricane connection: Diagnosing the solar impacts on hurricane frequency over the North Atlantic basin using a spaceâ€“time model. Natural Hazards, 2014, 73, 1063-1084.	3.4	10
58	Comparison of Hindcasts Anticipating the 2004 Florida Hurricane Season. Weather and Forecasting, 2006, 21, 182-192.	1.4	9
59	The Spatial Pattern of the Sun-Hurricane Connection across the North Atlantic. , 2012, 2012, 1-9.		8
60	A spatial climatology of North Atlantic hurricane intensity change. International Journal of Climatology, 2014, 34, 2918-2924.	3.5	8
61	Catastrophe Finance: An Emerging Discipline. Eos, 2009, 90, 281-282.	0.1	7
62	A climatological study of the effect of sea-surface temperature on North Atlantic hurricane intensification. Physical Geography, 2015, 36, 395-407.	1.4	7
63	Estimating Contemporary and Future Wind-Damage Losses from Hurricanes Affecting Eglin Air Force Base, Florida. Journal of Applied Meteorology and Climatology, 2011, 50, 1514-1526.	1.5	6
64	New Methods in Tornado Climatology. Geography Compass, 2015, 9, 157-168.	2.7	6
65	Quantifying relationships between environmental factors and power dissipation on the most prolific days in the largest tornado â€œoutbreaksâ€. International Journal of Climatology, 2020, 40, 3150-3160.	3.5	6
66	Tornado Damage Ratings Estimated with Cumulative Logistic Regression. Journal of Applied Meteorology and Climatology, 2019, 58, 2733-2741.	1.5	6
67	Seasonal Spaceâ€“Time Models for Climate Systems. Statistical Inference for Stochastic Processes, 2003, 6, 111-133.	0.6	5
68	Enhanced cloudâ€toâ€ground lightning frequency in the vicinity of coal plants and highways in Northern Georgia, <scp>USA</scp>. Atmospheric Science Letters, 2013, 14, 243-248.	1.9	5
69	The changing validity of tropical cyclone warnings under global warming. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	5
70	On the Increasing Intensity of the Strongest Atlantic Hurricanes. , 2010, , 175-190.		5
71	Statistical models for predicting tornado rates: Case studies from Oklahoma and the Mid South USA. International Journal of Safety and Security Engineering, 2016, 6, 1-9.	1.0	5
72	Physical Mechanism for the Tallahassee, Florida, Minimum Temperature Anomaly. Journal of Applied Meteorology and Climatology, 1998, 37, 101-113.	1.7	4

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73	Graphical Inference in Geographical Research. Geographical Analysis, 2016, 48, 115-131.	3.5	4
74	Structural Property Losses from Tornadoes in Florida. Weather, Climate, and Society, 2018, 10, 253-258.	1.1	4
75	A Track-Relative Climatology of Eglin Air Force Base Hurricanes in a Variable Climate. , 2010, , 217-229.		4
76	More hots: Quantifying upward trends in the number of extremely hot days and nights in Tallahassee, Florida, USA: 1892â€“2018. International Journal of Climatology, 2020, 40, 1931-1942.	3.5	3
77	A spaceâ€“time statistical climate model for hurricane intensification in the North Atlantic basin. Advances in Statistical Climatology, Meteorology and Oceanography, 2016, 2, 105-114.	0.9	3
78	Bayesian Updating of Track-Forecast Uncertainty for Tropical Cyclones. Weather and Forecasting, 2016, 31, 621-626.	1.4	2
79	Disaggregating the Patchwork:. Wetlands, 2017, 37, 205-219.	1.5	2
80	Extracting weather information from a plantation document. Climate of the Past, 2019, 15, 477-492.	3.4	1
81	Frequency and Intensity of Hurricanes Within Floridaâ€™s Threat Zone. , 2010, , 191-203.		1
82	Reply to â€œComment on changes in the rates of North Atlantic major hurricane activity during the 20th centuryâ€. Geophysical Research Letters, 2001, 28, 2873-2874.	4.0	0
83	Discussion on â€œPublic Hurricane Loss Evaluation Models: Predicting losses of residential structures in the state of Floridaâ€•by S. Hamid etÂal.. Statistical Methodology, 2010, 7, 574-576.	0.5	0
84	Statistical Link Between United States Tropical Cyclone Activity and the Solar Cycle. , 2009, , 61-71.		0
85	Environmental Signals in Property Damage Losses from Hurricanes. , 2010, , 101-119.		0