

Jeffrey Donnelly

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,300
citations

186265
28
h-index

149698
56
g-index

57
all docs

57
docs citations

57
times ranked

3192
citing authors

#	ARTICLE	IF	CITATIONS
1	Oceanic passage of hurricanes across Cay Sal Bank in The Bahamas over the last 530 years. <i>Marine Geology</i> , 2022, 443, 106653.	2.1	5
2	Centennial-scale Shifts in Storm Frequency Captured in Paleohurricane Records From The Bahamas Arise Predominantly From Random Variability. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091145.	4.0	20
3	Human arrival and landscape dynamics in the northern Bahamas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
4	1,050 years of Hurricane Strikes on Long Island in The Bahamas. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004156.	2.9	10
5	Hydroclimate Dipole Drives Multi-centennial Variability in the Western Tropical North Atlantic Margin During the Middle and Late Holocene. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004184.	2.9	6
6	Unique Habitat for Benthic Foraminifera in Subtidal Blue Holes on Carbonate Platforms. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
7	Holocene sedimentation in a blue hole surrounded by carbonate tidal flats in The Bahamas: Autogenic versus allogenic processes. <i>Marine Geology</i> , 2020, 419, 106051.	2.1	20
8	Sea Level Rise Will Drive Divergent Sediment Transport Patterns on Fore Reefs and Reef Flats, Potentially Causing Erosion on Atoll Islands. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005446.	2.8	14
9	Increased typhoon activity in the Pacific deep tropics driven by Little Ice Age circulation changes. <i>Nature Geoscience</i> , 2020, 13, 806-811.	12.9	19
10	Historically unprecedented Northern Gulf of Mexico hurricane activity from 650 to 1250 CE. <i>Scientific Reports</i> , 2020, 10, 19092.	3.3	13
11	Revising evidence of hurricane strikes on Abaco Island (The Bahamas) over the last 700 years. <i>Scientific Reports</i> , 2020, 10, 16556.	3.3	27
12	Plant wax evidence for precipitation and vegetation change from a coastal sinkhole lake in the Bahamas spanning the last 3000 years. <i>Organic Geochemistry</i> , 2020, 150, 104120.	1.8	13
13	Absolute and relative dating of human remains in a Bahamian sinkhole (Great Cistern, Abaco). <i>Journal of Archaeological Science: Reports</i> , 2020, 32, 102441.	0.5	5
14	Intense Hurricane Activity Over the Past 1500 Years at South Andros Island, The Bahamas. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1761-1783.	2.9	37
15	Significance of Perylene for Source Allocation of Terrigenous Organic Matter in Aquatic Sediments. <i>Environmental Science & Technology</i> , 2019, 53, 8244-8251.	10.0	25
16	The Mighty Susquehanna—Extreme Floods in Eastern North America During the Past Two Millennia. <i>Geophysical Research Letters</i> , 2019, 46, 3398-3407.	4.0	7
17	FORAMINIFERA TAPHONOMY AS PROXY FOR LARGE WAVE EVENTS: A CASE STUDY IN THE MARSHALL ISLANDS. , 2019, , .		0
18	Climatic control of Mississippi River flood hazard amplified by river engineering. <i>Nature</i> , 2018, 556, 95-98.	27.8	202

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19	Drought in the northern Bahamas from 3300 to 2500 years ago. <i>Quaternary Science Reviews</i> , 2018, 186, 169-185.	3.0	17
20	Intense Storms Increase the Stability of Tidal Bays. <i>Geophysical Research Letters</i> , 2018, 45, 5491-5500.	4.0	48
21	Freshwater stress on small island developing states: population projections and aridity changes at 1.5 and 2°C. <i>Regional Environmental Change</i> , 2018, 18, 2273-2282.	2.9	29
22	Response of the North Pacific Tropical Cyclone Climatology to Global Warming: Application of Dynamical Downscaling to CMIP5 Models. <i>Journal of Climate</i> , 2017, 30, 1233-1243.	3.2	43
23	Tropical cyclone activity enhanced by Sahara greening and reduced dust emissions during the African Humid Period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6221-6226.	7.1	39
24	Impact of climate change on New York City's coastal flood hazard: Increasing flood heights from the preindustrial to 2300 CE. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11861-11866.	7.1	169
25	Longwave emission trends over Africa and implications for Atlantic hurricanes. <i>Geophysical Research Letters</i> , 2017, 44, 9075-9083.	4.0	4
26	Increased hurricane frequency near Florida during Younger Dryas Atlantic Meridional Overturning Circulation slowdown. <i>Geology</i> , 2017, 45, 1047-1050.	4.4	13
27	Evidence for elevated coastal vulnerability following large-scale historical oyster bed harvesting. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1136-1143.	2.5	20
28	Future freshwater stress for island populations. <i>Nature Climate Change</i> , 2016, 6, 720-725.	18.8	49
29	The intertropical convergence zone modulates intense hurricane strikes on the western North Atlantic margin. <i>Scientific Reports</i> , 2016, 6, 21728.	3.3	73
30	South Pacific hydrologic and cyclone variability during the last 3000 years. <i>Paleoceanography</i> , 2016, 31, 491-504.	3.0	8
31	Temperature-driven global sea-level variability in the Common Era. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1434-41.	7.1	334
32	Middle-late Holocene Caribbean aridity inferred from foraminifera and elemental data in sediment cores from two Cuban lagoons. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 426, 229-241.	2.3	30
33	Science Needs for Sea-Level Adaptation Planning: Comparisons among Three U.S. Atlantic Coastal Regions. <i>Coastal Management</i> , 2015, 43, 555-574.	2.0	8
34	Climate forcing of unprecedented intense hurricane activity in the last 2000 years. <i>Earth's Future</i> , 2015, 3, 49-65.	6.3	93
35	Low-frequency storminess signal at Bermuda linked to cooling events in the North Atlantic region. <i>Paleoceanography</i> , 2015, 30, 52-76.	3.0	13
36	Increased threat of tropical cyclones and coastal flooding to New York City during the anthropogenic era. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12610-12615.	7.1	92

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37	Heightened hurricane activity on the Little Bahama Bank from 1350 to 1650 AD. <i>Continental Shelf Research</i> , 2014, 86, 103-115.	1.8	48
38	Centennial to millennial hydrologic trends and variability along the North Atlantic Coast, USA, during the Holocene. <i>Geophysical Research Letters</i> , 2014, 41, 4300-4307.	4.0	38
39	Heightened hurricane surge risk in northwest Florida revealed from climatological hydrodynamic modeling and paleorecord reconstruction. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8606-8623.	3.3	75
40	How Unique was Hurricane Sandy? Sedimentary Reconstructions of Extreme Flooding from New York Harbor. <i>Scientific Reports</i> , 2014, 4, 7366.	3.3	58
41	Reconstructing 7000 years of North Atlantic hurricane variability using deep-sea sediment cores from the western Great Bahama Bank. <i>Paleoceanography</i> , 2013, 28, 31-41.	3.0	47
42	Tropical cyclone wind speed constraints from resultant storm surge deposition: A 2500 year reconstruction of hurricane activity from St. Marks, FL. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2993-3008.	2.5	60
43	Hurricanes and Typhoons - Will tropical cyclones become stronger and more frequent? [Past]. <i>PAGES News</i> , 2012, 20, 33-33.	0.1	5
44	A decadal-resolved paleohurricane record archived in the late Holocene sediments of a Florida sinkhole. <i>Marine Geology</i> , 2011, 287, 14-30.	2.1	123
45	Repeated century-scale droughts over the past 13,000 yr near the Hudson River watershed, USA. <i>Quaternary Research</i> , 2011, 75, 523-530.	1.7	25
46	Reply to Grinsted et al.: Estimating land subsidence in North Carolina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, .	7.1	1
47	Calibrating a sedimentary record of overwash from Southeastern New England using modeled historic hurricane surges. <i>Marine Geology</i> , 2010, 275, 127-139.	2.1	65
48	Atlantic hurricanes and climate over the past 1,500 years. <i>Nature</i> , 2009, 460, 880-883.	27.8	223
49	Assessing sedimentary records of paleohurricane activity using modeled hurricane climatology. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	52
50	Sedimentary evidence of hurricane strikes in western Long Island, New York. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	96
51	Numerical modeling and field evidence of coastal overwash in southern New England from Hurricane Bob and implications for paleotempestology. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	33
52	Intense hurricane activity over the past 5,000 years controlled by El Niño and the West African monsoon. <i>Nature</i> , 2007, 447, 465-468.	27.8	370
53	New evidence for high discharge to the Chukchi shelf since the Last Glacial Maximum. <i>Quaternary Research</i> , 2007, 68, 271-279.	1.7	26
54	The influence of seasonal precipitation and temperature regimes on lake levels in the northeastern United States during the Holocene. <i>Quaternary Research</i> , 2006, 65, 44-56.	1.7	54

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55	A Record of Late-Quaternary Moisture-Balance Change and Vegetation Response from the White Mountains, New Hampshire. <i>Annals of the American Association of Geographers</i> , 2005, 95, 237-248.	3.0	24
56	Coupling instrumental and geological records of sea-level change: Evidence from southern New England of an increase in the rate of sea-level rise in the late 19th century. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	154
57	700 yr sedimentary record of intense hurricane landfalls in southern New England. <i>Bulletin of the Geological Society of America</i> , 2001, 113, 714-727.	3.3	199