Jeffrey Donnelly

List of Publications by Year
in descending order

57	3,300	186265 28	149698 56
papers	citations	h-index	g-index

57	57	57	3192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intense hurricane activity over the past 5,000 years controlled by El NiÃ±o and the West African monsoon. Nature, 2007, 447, 465-468.	27.8	370
2	Temperature-driven global sea-level variability in the Common Era. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1434-41.	7.1	334
3	Atlantic hurricanes and climate over the past 1,500 years. Nature, 2009, 460, 880-883.	27.8	223
4	Climatic control of Mississippi River flood hazard amplified by river engineering. Nature, 2018, 556, 95-98.	27.8	202
5	700 yr sedimentary record of intense hurricane landfalls in southern New England. Bulletin of the Geological Society of America, 2001, 113, 714-727.	3.3	199
6	Impact of climate change on New York Cityâ€™s coastal flood hazard: Increasing flood heights from the preindustrial to 2300 CE. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11861-11866.	7.1	169
7	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. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	154
8	A decadally-resolved paleohurricane record archived in the late Holocene sediments of a Florida sinkhole. Marine Geology, 2011, 287, 14-30.	2.1	123
9	Sedimentary evidence of hurricane strikes in western Long Island, New York. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	96
10	Climate forcing of unprecedented intenseâ€hurricane activity in the last 2000 years. Earth's Future, 2015, 3, 49-65.	6.3	93
11	Increased threat of tropical cyclones and coastal flooding to New York City during the anthropogenic era. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12610-12615.	7.1	92
12	Heightened hurricane surge risk in northwest Florida revealed from climatologicalâ€hydrodynamic modeling and paleorecord reconstruction. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8606-8623.	3.3	75
13	The intertropical convergence zone modulates intense hurricane strikes on the western North Atlantic margin. Scientific Reports, 2016, 6, 21728.	3.3	73
14	Calibrating a sedimentary record of overwash from Southeastern New England using modeled historic hurricane surges. Marine Geology, 2010, 275, 127-139.	2.1	65
15	Tropical cyclone wind speed constraints from resultant storm surge deposition: A 2500 year reconstruction of hurricane activity from St. Marks, FL. Geochemistry, Geophysics, Geosystems, 2013, 14, 2993-3008.	2.5	60
16	How Unique was Hurricane Sandy? Sedimentary Reconstructions of Extreme Flooding from New York Harbor. Scientific Reports, 2014, 4, 7366.	3.3	58
17	The influence of seasonal precipitation and temperature regimes on lake levels in the northeastern United States during the Holocene. Quaternary Research, 2006, 65, 44-56.	1.7	54
18	Assessing sedimentary records of paleohurricane activity using modeled hurricane climatology. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	52

#	Article	IF	Citations
19	Future freshwater stress for island populations. Nature Climate Change, 2016, 6, 720-725.	18.8	49
20	Heightened hurricane activity on the Little Bahama Bank from 1350 to 1650 AD. Continental Shelf Research, 2014, 86, 103-115.	1.8	48
21	Intense Storms Increase the Stability of Tidal Bays. Geophysical Research Letters, 2018, 45, 5491-5500.	4.0	48
22	Reconstructing 7000 years of North Atlantic hurricane variability using deepâ€sea sediment cores from the western Great Bahama Bank. Paleoceanography, 2013, 28, 31-41.	3.0	47
23	Response of the North Pacific Tropical Cyclone Climatology to Global Warming: Application of Dynamical Downscaling to CMIP5 Models. Journal of Climate, 2017, 30, 1233-1243.	3.2	43
24	Tropical cyclone activity enhanced by Sahara greening and reduced dust emissions during the African Humid Period. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6221-6226.	7.1	39
25	Centennialâ€toâ€millennial hydrologic trends and variability along the North Atlantic Coast, USA, during the Holocene. Geophysical Research Letters, 2014, 41, 4300-4307.	4.0	38
26	Intense Hurricane Activity Over the Past 1500 Years at South Andros Island, The Bahamas. Paleoceanography and Paleoclimatology, 2019, 34, 1761-1783.	2.9	37
27	Numerical modeling and field evidence of coastal overwash in southern New England from Hurricane Bob and implications for paleotempestology. Journal of Geophysical Research, 2007, 112, .	3.3	33
28	Middleâ€“late Holocene Caribbean aridity inferred from foraminifera and elemental data in sediment cores from two Cuban lagoons. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 426, 229-241.	2.3	30
29	Freshwater stress on small island developing states: population projections and aridity changes at 1.5 and 2ÂÂ°C. Regional Environmental Change, 2018, 18, 2273-2282.	2.9	29
30	Revising evidence of hurricane strikes on Abaco Island (The Bahamas) over the last 700Âyears. Scientific Reports, 2020, 10, 16556.	3.3	27
31	New evidence for high discharge to the Chukchi shelf since the Last Glacial Maximum. Quaternary Research, 2007, 68, 271-279.	1.7	26
32	Repeated century-scale droughts over the past 13,000 yr near the Hudson River watershed, USA. Quaternary Research, 2011, 75, 523-530.	1.7	25
33	Significance of Perylene for Source Allocation of Terrigenous Organic Matter in Aquatic Sediments. Environmental Science & Technology, 2019, 53, 8244-8251.	10.0	25
34	A Record of Late-Quaternary Moisture-Balance Change and Vegetation Response from the White Mountains, New Hampshire. Annals of the American Association of Geographers, 2005, 95, 237-248.	3.0	24
35	Evidence for elevated coastal vulnerability following largeâ€scale historical oyster bed harvesting. Earth Surface Processes and Landforms, 2016, 41, 1136-1143.	2.5	20
36	Holocene sedimentation in a blue hole surrounded by carbonate tidal flats in The Bahamas: Autogenic versus allogenic processes. Marine Geology, 2020, 419, 106051.	2.1	20

#	Article	IF	Citations
37	Centennialâ€Scale Shifts in Storm Frequency Captured in Paleohurricane Records From The Bahamas Arise Predominantly From Random Variability. Geophysical Research Letters, 2021, 48, e2020GL091145.	4.0	20
38	Increased typhoon activity in the Pacific deep tropics driven by Little Ice Age circulation changes. Nature Geoscience, 2020, 13, 806-811.	12.9	19
39	Drought in the northern Bahamas from 3300 to 2500 years ago. Quaternary Science Reviews, 2018, 186, 169-185.	3.0	17
40	Sea Level Rise Will Drive Divergent Sediment Transport Patterns on Fore Reefs and Reef Flats, Potentially Causing Erosion on Atoll Islands. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005446.	2.8	14
41	Human arrival and landscape dynamics in the northern Bahamas. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
42	Lowâ€frequency storminess signal at Bermuda linked to cooling events in the North Atlantic region. Paleoceanography, 2015, 30, 52-76.	3.0	13
43	Increased hurricane frequency near Florida during Younger Dryas Atlantic Meridional Overturning Circulation slowdown. Geology, 2017, 45, 1047-1050.	4.4	13
44	Historically unprecedented Northern Gulf of Mexico hurricane activity from 650 to 1250 CE. Scientific Reports, 2020, 10, 19092.	3.3	13
45	Plant wax evidence for precipitation and vegetation change from a coastal sinkhole lake in the Bahamas spanning the last 3000â€¯years. Organic Geochemistry, 2020, 150, 104120.	1.8	13
46	1,050Âyears of Hurricane Strikes on Long Island in The Bahamas. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004156.	2.9	10
47	Science Needs for Sea-Level Adaptation Planning: Comparisons among Three U.S. Atlantic Coastal Regions. Coastal Management, 2015, 43, 555-574.	2.0	8
48	South Pacific hydrologic and cyclone variability during the last 3000â€‰years. Paleoceanography, 2016, 31, 491-504.	3.0	8
49	The Mighty Susquehannaâ€”Extreme Floods in Eastern North America During the Past Two Millennia. Geophysical Research Letters, 2019, 46, 3398-3407.	4.0	7
50	Hydroclimate Dipole Drives Multiâ€Centennial Variability in the Western Tropical North Atlantic Margin During the Middle and Late Holocene. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004184.	2.9	6
51	Absolute and relative dating of human remains in a Bahamian sinkhole (Great Cistern, Abaco). Journal of Archaeological Science: Reports, 2020, 32, 102441.	0.5	5
52	Oceanic passage of hurricanes across Cay Sal Bank in The Bahamas over the last 530Âyears. Marine Geology, 2022, 443, 106653.	2.1	5
53	Hurricanes and Typhoons - Will tropical cyclones become stronger and more frequent? [Past]. PAGES News, 2012, 20, 33-33.	0.1	5
54	Unique Habitat for Benthic Foraminifera in Subtidal Blue Holes on Carbonate Platforms. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	5

#	Article	IF	Citations
55	Longwave emission trends over Africa and implications for Atlantic hurricanes. Geophysical Research Letters, 2017, 44, 9075-9083.	4.0	4
56	Reply to Grinsted et al.: Estimating land subsidence in North Carolina. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, .	7.1	1
57	FORAMINIFERA TAPHONOMY AS PROXY FOR LARGE WAVE EVENTS: A CASE STUDY IN THE MARSHALL ISLANDS. , 2019, , .		0