

# Miriam C Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,735  
citations

236612

25  
h-index

276539

41  
g-index

51  
all docs

51  
docs citations

51  
times ranked

4326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon release through abrupt permafrost thaw. <i>Nature Geoscience</i> , 2020, 13, 138-143.	5.4	434
2	A database and synthesis of northern peatland soil properties and Holocene carbon and nitrogen accumulation. <i>Holocene</i> , 2014, 24, 1028-1042.	0.9	404
3	Peatlands in the Earth's 21st century climate system. <i>Environmental Reviews</i> , 2011, 19, 371-396.	2.1	323
4	Large stocks of peatland carbon and nitrogen are vulnerable to permafrost thaw. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20438-20446.	3.3	307
5	A shift of thermokarst lakes from carbon sources to sinks during the Holocene epoch. <i>Nature</i> , 2014, 511, 452-456.	13.7	246
6	Permafrost collapse is accelerating carbon release. <i>Nature</i> , 2019, 569, 32-34.	13.7	237
7	Rapid deglacial and early Holocene expansion of peatlands in Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7347-7352.	3.3	203
8	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. <i>Nature Climate Change</i> , 2018, 8, 907-913.	8.1	188
9	Expert assessment of future vulnerability of the global peatland carbon sink. <i>Nature Climate Change</i> , 2021, 11, 70-77.	8.1	167
10	Holocene climate changes in eastern Beringia (NW North America) – A systematic review of multi-proxy evidence. <i>Quaternary Science Reviews</i> , 2016, 147, 312-339.	1.4	123
11	Sensitivity of Northern Peatland Carbon Dynamics to Holocene Climate Change. <i>Geophysical Monograph Series</i> , 0, , 55-69.	0.1	106
12	Effects of permafrost aggradation on peat properties as determined from a pan-Arctic synthesis of plant macrofossils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 78-94.	1.3	92
13	The Role of the Upper Tidal Estuary in Wetland Blue Carbon Storage and Flux. <i>Global Biogeochemical Cycles</i> , 2018, 32, 817-839.	1.9	91
14	Peat accumulation in drained thermokarst lake basins in continuous, ice-rich permafrost, northern Seward Peninsula, Alaska. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	84
15	Widespread global peatland establishment and persistence over the last 130,000 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4822-4827.	3.3	82
16	Rapid carbon loss and slow recovery following permafrost thaw in boreal peatlands. <i>Global Change Biology</i> , 2017, 23, 1109-1127.	4.2	70
17	Climate and vegetation history from a 14,000-year peatland record, Kenai Peninsula, Alaska. <i>Quaternary Research</i> , 2009, 72, 207-217.	1.0	51
18	A deglacial and Holocene record of climate variability in south-central Alaska from stable oxygen isotopes and plant macrofossils in peat. <i>Quaternary Science Reviews</i> , 2014, 87, 1-11.	1.4	45

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19	Thermokarst lake methanogenesis along a complete talik profile. <i>Biogeosciences</i> , 2015, 12, 4317-4331.	1.3	43
20	A 2200-Year Record of Permafrost Dynamics and Carbon Cycling in a Collapse-Scar Bog, Interior Alaska. <i>Ecosystems</i> , 2013, 16, 1-19.	1.6	38
21	Rapid inundation of southern Florida coastline despite low relative sea-level rise rates during the late-Holocene. <i>Nature Communications</i> , 2019, 10, 3231.	5.8	36
22	Presence of rapidly degrading permafrost plateaus in south-central Alaska. <i>Cryosphere</i> , 2016, 10, 2673-2692.	1.5	34
23	Near-surface permafrost aggradation in Northern Hemisphere peatlands shows regional and global trends during the past 6000 years. <i>Holocene</i> , 2018, 28, 998-1010.	0.9	34
24	Subsea permafrost carbon stocks and climate change sensitivity estimated by expert assessment. <i>Environmental Research Letters</i> , 2020, 15, 124075.	2.2	34
25	The Impact of Late Holocene Land Use Change, Climate Variability, and Sea Level Rise on Carbon Storage in Tidal Freshwater Wetlands on the Southeastern United States Coastal Plain. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3126-3141.	1.3	29
26	Lateglacial and Holocene climate, disturbance and permafrost peatland dynamics on the Seward Peninsula, western Alaska. <i>Quaternary Science Reviews</i> , 2013, 63, 42-58.	1.4	25
27	A North American Hydroclimate Synthesis (NAHS) of the Common Era. <i>Global and Planetary Change</i> , 2018, 162, 175-198.	1.6	24
28	Sources and sinks of carbon in boreal ecosystems of interior Alaska: A review. <i>Elementa</i> , 2014, 2, .	1.1	22
29	Expansion rate and geometry of floating vegetation mats on the margins of thermokarst lakes, northern Seward Peninsula, Alaska, USA. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 1889-1897.	1.2	21
30	Predicted Vulnerability of Carbon in Permafrost Peatlands With Future Climate Change and Permafrost Thaw in Western Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005872.	1.3	20
31	Carbon Fluxes and Microbial Activities From Boreal Peatlands Experiencing Permafrost Thaw. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005869.	1.3	18
32	High sensitivity of Bering Sea winter sea ice to winter insolation and carbon dioxide over the last 5500 years. <i>Science Advances</i> , 2020, 6, .	4.7	16
33	The role of wetland expansion and successional processes in methane emissions from northern wetlands during the Holocene. <i>Quaternary Science Reviews</i> , 2021, 257, 106864.	1.4	15
34	An Assessment of Plant Species Differences on Cellulose Oxygen Isotopes From Two Kenai Peninsula, Alaska Peatlands: Implications for Hydroclimatic Reconstructions. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	13
35	Late Holocene vegetation, climate, and land-use impacts on carbon dynamics in the Florida Everglades. <i>Quaternary Science Reviews</i> , 2014, 90, 90-105.	1.4	11
36	Permafrost Thaw in Northern Peatlands: Rapid Changes in Ecosystem and Landscape Functions. <i>Ecological Studies</i> , 2021, , 27-67.	0.4	11

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37	Impacts of Hurricane Irma on Florida Bay Islands, Everglades National Park, USA. <i>Estuaries and Coasts</i> , 2020, 43, 1070-1089.	1.0	9
38	Using multiple environmental proxies and hydrodynamic modeling to investigate Late Holocene climate and coastal change within a large Gulf of Mexico estuarine system (Mobile Bay, Alabama, USA). <i>Marine Geology</i> , 2020, 427, 106218.	0.9	8
39	Evaluating CO <sub>2</sub> and CH <sub>4</sub> dynamics of Alaskan ecosystems during the Holocene Thermal Maximum. <i>Quaternary Science Reviews</i> , 2014, 86, 63-77.	1.4	5
40	Influence of Permafrost Type and Site History on Losses of Permafrost Carbon After Thaw. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006396.	1.3	5
41	Hydrologic Controls on Peat Permafrost and Carbon Processes: New Insights From Past and Future Modeling. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	1