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List of Publications by Year
in descending order

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28 papers	1,915 citations	331670 21 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	3618 citing authors

#	Article	IF	Citations
1	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	27.8	451
2	Permafrost collapse after shrub removal shifts tundra ecosystem to a methane source. Nature Climate Change, 2015, 5, 67-70.	18.8	147
3	The response of Arctic vegetation to the summer climate: relation between shrub cover, NDVI, surface albedo and temperature. Environmental Research Letters, 2011, 6, 035502.	5.2	126
4	Effects of elevated carbon dioxide and increased nitrogen deposition on bog vegetation in the Netherlands. Journal of Ecology, 2001, 89, 268-279.	4.0	115
5	The effect of temperature on growth and competition between Sphagnum species. Oecologia, 2008, 156, 155-167.	2.0	94
6	Tundra vegetation change and impacts on permafrost. Nature Reviews Earth & Environment, 2022, 3, 68-84.	29.7	87
7	Persistent versus transient tree encroachment of temperate peat bogs: effects of climate warming and drought events. Global Change Biology, 2013, 19, 2240-2250.	9.5	70
8	The Nitrogen Cycle in Boreal Peatlands. , 2006, , 195-230.		69
9	Photosynthetic performance in Sphagnum transplanted along a latitudinal nitrogen deposition gradient. Oecologia, 2009, 159, 705-715.	2.0	68
10	Effects of Increased Nitrogen Deposition on the Distribution of 15N-labeled Nitrogen between Sphagnum and Vascular Plants. Ecosystems, 2002, 5, 500-508.	3.4	57
11	Controls on moss evaporation in a boreal black spruce forest. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	57
12	Tundra Trait Team: A database of plant traits spanning the tundra biome. Global Ecology and Biogeography, 2018, 27, 1402-1411.	5.8	57
13	Competition between Sphagnum magellanicum and Eriophorum angustifolium as affected by raised CO2 and increased N deposition. Oikos, 2002, 97, 415-425.	2.7	52
14	Seasonal changes and vertical distribution of root standing biomass of graminoids and shrubs at a Siberian tundra site. Plant and Soil, 2016, 407, 55-65.	3.7	49
15	Field Simulation of Global Change: Transplanting Northern Bog Mesocosms Southward. Ecosystems, 2010, 13, 712-726.	3.4	47
16	Background invertebrate herbivory on dwarf birch (Betula glandulosa-nana complex) increases with temperature and precipitation across the tundra biome. Polar Biology, 2017, 40, 2265-2278.	1.2	47
17	Effects of elevated CO 2 and vascular plants on evapotranspiration in bog vegetation. Global Change Biology, 2001, 7, 817-827.	9.5	44
18	Response of Sphagnum species mixtures to increased temperature and nitrogen availability. Plant Ecology, 2009, 204, 97-111.	1.6	43

#	Article	IF	Citations
19	Potential Arctic tundra vegetation shifts in response to changing temperature, precipitation and permafrost thaw. Biogeosciences, 2016, 13, 6229-6245.	3.3	40
20	Response of a Sphagnum bog plant community to elevated CO2 and N supply. Plant Ecology, 2002, 162, 123-134.	1.6	37
21	Contrasting radiation and soil heat fluxes in Arctic shrub and wet sedge tundra. Biogeosciences, 2016, 13, 4049-4064.	3.3	33
22	The role of summer precipitation and summer temperature in establishment and growth of dwarf shrub Betula nana in northeast Siberian tundra. Polar Biology, 2016, 39, 1245-1255.	1.2	24
23	Extremely wet summer events enhance permafrost thaw for multiple years in Siberian tundra. Nature Communications, 2022, 13, 1556.	12.8	24
24	Dwarf shrubs are stronger competitors than graminoid species at high nutrient supply in peat bogs. Plant Ecology, 2009, 204, 125-134.	1.6	20
25	Rapid Vegetation Succession and Coupled Permafrost Dynamics in Arctic Thaw Ponds in the Siberian Lowland Tundra. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005618.	3.0	20
26	Thaw pond development and initial vegetation succession in experimental plots at a Siberian lowland tundra site. Plant and Soil, 2017, 420, 147-162.	3.7	19
27	Effectiveness of Turf Stripping as a Measure for Restoring Speciesâ€Rich Fen Meadows in Suboptimal Hydrological Conditions. Restoration Ecology, 2007, 15, 627-637.	2.9	6
28	Plant trait response of tundra shrubs to permafrost thaw and nutrient addition. Biogeosciences, 2020, 17, 4981-4998.	3.3	6