

Jeffrey M Welker

List of Publications by Year in descending order

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Version: 2024-02-01

184
papers

17,963
citations

25031

57
h-index

13770

129
g-index

186
all docs

186
docs citations

186
times ranked

16837
citing authors

#	ARTICLE	IF	CITATIONS
1	Goose Feces Effects on Subarctic Soil Nitrogen Availability and Greenhouse Gas Fluxes. <i>Ecosystems</i> , 2023, 26, 187-200.	3.4	1
2	From Intra-plant to Regional Scale: June Temperatures and Regional Climates Directly and Indirectly Control <i>Betula nana</i> Growth in Arctic Alaska. <i>Ecosystems</i> , 2023, 26, 491-509.	3.4	2
3	Spatial variation in mercury concentrations in polar bear (<i>Ursus maritimus</i>) hair from the Norwegian and Russian Arctic. <i>Science of the Total Environment</i> , 2022, 822, 153572.	8.0	2
4	Overview of the MOSAiC expedition: Atmosphere. <i>Elementa</i> , 2022, 10, .	3.2	121
5	Closing the Winter Gap—Year-Round Measurements of Soil CO ₂ Emission Sources in Arctic Tundra. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
6	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals. <i>Science of the Total Environment</i> , 2022, 829, 154445.	8.0	29
7	Resistance and change in a High Arctic ecosystem, NW Greenland: Differential sensitivity of ecosystem metrics to 15 years of experimental warming and wetting. <i>Global Change Biology</i> , 2022, 28, 1853-1869.	9.5	1
8	Automatic flower detection and phenology monitoring using time-lapse cameras and deep learning. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 765-777.	4.3	18
9	Short-term effects of summer warming on caribou forage quality are mitigated by long-term warming. <i>Ecosphere</i> , 2022, 13, .	2.2	3
10	Short-term effects of experimental goose grazing and warming differ in three low-Arctic coastal wetland plant communities. <i>Journal of Vegetation Science</i> , 2022, 33, .	2.2	1
11	Winter snow and spring temperature have differential effects on vegetation phenology and productivity across Arctic plant communities. <i>Global Change Biology</i> , 2021, 27, 1572-1586.	9.5	51
12	Arctic Snow Isotope Hydrology: A Comparative Snow-Water Vapor Study. <i>Atmosphere</i> , 2021, 12, 150.	2.3	10
13	Arctic sea-ice loss fuels extreme European snowfall. <i>Nature Geoscience</i> , 2021, 14, 283-288.	12.9	39
14	Hydroclimatic Controls on the Isotopic ($\delta^{18}\text{O}$, $\delta^2\text{H}$, δd -excess) Traits of Pan-Arctic Summer Rainfall Events. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	12
15	TIME-INTEGRATED COLLECTION OF CO ₂ FOR ¹⁴ C ANALYSIS FROM SOILS. <i>Radiocarbon</i> , 2021, 63, 1303-1319.	1.8	3
16	Plant and soil nitrogen in oligotrophic boreal forest habitats with varying moss depths: does exclusion of large grazers matter?. <i>Oecologia</i> , 2021, 196, 839-849.	2.0	4
17	Improved high-resolution global and regionalized isoscapes of $\delta^{18}\text{O}$, $\delta^2\text{H}$ and δd -excess in 2.6 precipitation. <i>Hydrological Processes</i> , 2021, 35, e14254.		36
18	Experimental warming differentially affects vegetative and reproductive phenology of tundra plants. <i>Nature Communications</i> , 2021, 12, 3442.	12.8	56

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19	Snowier winters extend autumn availability of high-quality forage for caribou in Arctic Alaska. <i>Ecosphere</i> , 2021, 12, e03617.	2.2	7
20	Subarctic catchment water storage and carbon cycling – Leading the way for future studies using integrated datasets at Pallas, Finland. <i>Hydrological Processes</i> , 2021, 35, e14350.	2.6	10
21	Pronghorn (<i>Antilocapra americana</i>) enamel phosphate $\delta^{18}O$ values reflect climate seasonality: Implications for paleoclimate reconstruction. <i>Ecology and Evolution</i> , 2021, 11, 17005-17021.	1.9	4
22	Early Goose Arrival Increases Soil Nitrogen Availability More Than an Advancing Spring in Coastal Western Alaska. <i>Ecosystems</i> , 2020, 23, 1309-1324.	3.4	3
23	NDVI Changes Show Warming Increases the Length of the Green Season at Tundra Communities in Northern Alaska: A Fine-Scale Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 1174.	3.6	16
24	Deeper snow increases the net soil organic carbon accrual rate in moist acidic tussock tundra: 210Pb evidence from Arctic Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 461-475.	1.1	1
25	Stormflows Drive Stream Carbon Concentration, Speciation, and Dissolved Organic Matter Composition in Coastal Temperate Rainforest Watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005804.	3.0	8
26	Divergence of Arctic shrub growth associated with sea ice decline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 33334-33344.	7.1	43
27	The age of surface-exposed ice along the northern margin of the Greenland Ice Sheet. <i>Journal of Glaciology</i> , 2020, 66, 667-684.	2.2	17
28	Two Decades of Mercury Concentrations in Barents Sea Polar Bears (<i>Ursus maritimus</i>) in Relation to Dietary Carbon, Sulfur, and Nitrogen. <i>Environmental Science & Technology</i> , 2020, 54, 7388-7397.	10.0	18
29	Exploring stakeholder communication within a caribou hunting system of Arctic Alaska. <i>Human Dimensions of Wildlife</i> , 2020, 25, 199-214.	1.8	1
30	Baffin Bay sea ice extent and synoptic moisture transport drive water vapor isotope ($\delta^{18}O$) variability in coastal northwest Greenland. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13929-13955.	4.9	10
31	Exploring Overlap of Feather Molting and Migration in Tundra Swans Using δ^2H Analysis. <i>Animal Migration</i> , 2020, 7, 58-66.	1.0	0
32	Global sinusoidal seasonality in precipitation isotopes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3423-3436.	4.9	29
33	Evaluation of Groundwater Sources, Flow Paths, and Residence Time of the Gran Desierto Pozos, Sonora, Mexico. <i>Geosciences (Switzerland)</i> , 2019, 9, 378.	2.2	5
34	Migratory goose arrival time plays a larger role in influencing forage quality than advancing springs in an Arctic coastal wetland. <i>PLoS ONE</i> , 2019, 14, e0213037.	2.5	14
35	The Missing Angle: Ecosystem Consequences of Phenological Mismatch. <i>Trends in Ecology and Evolution</i> , 2019, 34, 885-888.	8.7	44
36	Reindeer turning maritime: Ice-locked tundra triggers changes in dietary niche utilization. <i>Ecosphere</i> , 2019, 10, e02672.	2.2	21

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37	Phenological mismatch between season advancement and migration timing alters Arctic plant traits. <i>Journal of Ecology</i> , 2019, 107, 2503-2518.	4.0	19
38	Cloud cover and delayed herbivory relative to timing of spring onset interact to dampen climate change impacts on net ecosystem exchange in a coastal Alaskan wetland. <i>Environmental Research Letters</i> , 2019, 14, 084030.	5.2	7
39	Seasonal Patterns of Riverine Carbon Sources and Export in NW Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 840-856.	3.0	15
40	Synoptic and Mesoscale Mechanisms Drive Winter Precipitation $\hat{r}^{18O}/\hat{r}^{2H}$ in South-Central Alaska. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4252-4266.	3.3	27
41	Isotopic Discrimination of Aquifer Recharge Sources, Subsystem Connectivity and Flow Patterns in the South Fork Palouse River Basin, Idaho and Washington, USA. <i>Hydrology</i> , 2019, 6, 15.	3.0	7
42	DOC export is exceeded by C fixation in May Creek: A late-successional watershed of the Copper River Basin, Alaska. <i>PLoS ONE</i> , 2019, 14, e0225271.	2.5	11
43	Large loss of CO ₂ in winter observed across the northern permafrost region. <i>Nature Climate Change</i> , 2019, 9, 852-857.	18.8	225
44	Delayed herbivory by migratory geese increases summer-long CO ₂ uptake in coastal western Alaska. <i>Global Change Biology</i> , 2019, 25, 277-289.	9.5	22
45	Warming shortens flowering seasons of tundra plant communities. <i>Nature Ecology and Evolution</i> , 2019, 3, 45-52.	7.8	79
46	Title is missing!. , 2019, 14, e0225271.		0
47	Title is missing!. , 2019, 14, e0225271.		0
48	Title is missing!. , 2019, 14, e0225271.		0
49	Title is missing!. , 2019, 14, e0225271.		0
50	Choose Your Poison—Space-Use Strategy Influences Pollutant Exposure in Barents Sea Polar Bears. <i>Environmental Science & Technology</i> , 2018, 52, 3211-3221.	10.0	48
51	Correspondence between mercury and stable isotopes in high Arctic marine and terrestrial avian species from northwest Greenland. <i>Polar Biology</i> , 2018, 41, 1475-1491.	1.2	7
52	Declining growth of deciduous shrubs in the warming climate of continental western Greenland. <i>Journal of Ecology</i> , 2018, 106, 640-654.	4.0	53
53	Winter Ecosystem Respiration and Sources of CO ₂ From the High Arctic Tundra of Svalbard: Response to a Deeper Snow Experiment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2627-2642.	3.0	14
54	Holocene atmospheric circulation in the central North Pacific: A new terrestrial diatom and δ^{18O} dataset from the Aleutian Islands. <i>Quaternary Science Reviews</i> , 2018, 194, 27-38.	3.0	35

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55	Arctic plant ecophysiology and water source utilization in response to altered snow: isotopic ($\delta^{18}\text{O}$) Tj ETQq1 1 0.784314 rgBT /Over	2.0	31
56	Variation in Age Ratio of Midcontinent Greater White-Fronted Geese During Fall Migration. <i>Journal of Fish and Wildlife Management</i> , 2018, 9, 340-347.	0.9	2
57	Greater temperature sensitivity of plant phenology at colder sites: implications for convergence across northern latitudes. <i>Global Change Biology</i> , 2017, 23, 2660-2671.	9.5	171
58	Seasonal foraging strategies of Alaskan gray wolves (<i>Canis lupus</i>) in an ecosystem subsidized by Pacific salmon (<i>Oncorhynchus</i> spp.). <i>Canadian Journal of Zoology</i> , 2017, 95, 555-563.	1.0	26
59	Pacific North American circulation pattern links external forcing and North American hydroclimatic change over the past millennium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3340-3345.	7.1	30
60	Sea ice-associated decline in body condition leads to increased concentrations of lipophilic pollutants in polar bears (<i>Ursus maritimus</i>) from Svalbard, Norway. <i>Science of the Total Environment</i> , 2017, 576, 409-419.	8.0	44
61	Emission Changes Dwarf the Influence of Feeding Habits on Temporal Trends of Per- and Polyfluoroalkyl Substances in Two Arctic Top Predators. <i>Environmental Science & Technology</i> , 2017, 51, 11996-12006.	10.0	47
62	Reassessing the role of temperature in precipitation oxygen isotopes across the eastern and central United States through weekly precipitation $\delta^{18}\text{O}$ data. <i>Water Resources Research</i> , 2017, 53, 7644-7661.	4.2	18
63	Hydrogen isotope fractionation in leaf waxes in the Alaskan Arctic tundra. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 216-236.	3.9	60
64	Thawing seasonal ground ice: An important water source for boreal forest plants in Interior Alaska. <i>Ecohydrology</i> , 2017, 10, e1796.	2.4	13
65	Short-Term Impacts of the Air Temperature on Greening and Senescence in Alaskan Arctic Plant Tundra Habitats. <i>Remote Sensing</i> , 2017, 9, 1338.	4.0	10
66	Soil bacterial community and functional shifts in response to altered snowpack in moist acidic tundra of northern Alaska. <i>Soil</i> , 2016, 2, 459-474.	4.9	20
67	Long-term increase in snow depth leads to compositional changes in arctic ectomycorrhizal fungal communities. <i>Global Change Biology</i> , 2016, 22, 3080-3096.	9.5	36
68	Quantifying global soil carbon losses in response to warming. <i>Nature</i> , 2016, 540, 104-108.	27.8	879
69	Isotopic signature of extreme precipitation events in the western U.S. and associated phases of Arctic and tropical climate modes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 8913-8924.	3.3	18
70	Influence of sea ice on ocean water vapor isotopes and Greenland ice core records. <i>Geophysical Research Letters</i> , 2016, 43, 12,475.	4.0	16
71	Coupled long-term summer warming and deeper snow alters species composition and stimulates gross primary productivity in tussock tundra. <i>Oecologia</i> , 2016, 181, 287-297.	2.0	58
72	Interactions among vegetation, climate, and herbivory control greenhouse gas fluxes in a subarctic coastal wetland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2960-2975.	3.0	23

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73	Compositional and functional shifts in arctic fungal communities in response to experimentally increased snow depth. <i>Soil Biology and Biochemistry</i> , 2016, 100, 201-209.	8.8	34
74	Arctic Vortex changes alter the sources and isotopic values of precipitation in northeastern US. <i>Scientific Reports</i> , 2016, 6, 22647.	3.3	30
75	Winter precipitation and snow accumulation drive the methane sink or source strength of Arctic tussock tundra. <i>Global Change Biology</i> , 2016, 22, 2818-2833.	9.5	47
76	Substantial proportion of global streamflow less than three months old. <i>Nature Geoscience</i> , 2016, 9, 126-129.	12.9	252
77	Limited variation in proportional contributions of auto- and heterotrophic soil respiration, despite large differences in vegetation structure and function in the Low Arctic. <i>Biogeochemistry</i> , 2016, 127, 339-351.	3.5	9
78	Geographical Area and Life History Traits Influence Diet in an Arctic Marine Predator. <i>PLoS ONE</i> , 2016, 11, e0155980.	2.5	26
79	Space-time tradeoffs in the development of precipitation-based isoscape models for determining migratory origin. <i>Journal of Avian Biology</i> , 2015, 46, 658-667.	1.2	16
80	Late-glacial to late-Holocene shifts in global precipitation $\delta^{18}O$. <i>Climate of the Past</i> , 2015, 11, 1375-1393.	3.4	57
81	Summer temperature increase has distinct effects on the ectomycorrhizal fungal communities of moist tussock and dry tundra in Arctic Alaska. <i>Global Change Biology</i> , 2015, 21, 959-972.	9.5	83
82	North American precipitation isotope ($\delta^{18}O$) zones revealed in time series modeling across Canada and northern United States. <i>Water Resources Research</i> , 2015, 51, 1284-1299.	4.2	29
83	Long-term experimental warming alters community composition of ascomycetes in Alaskan moist and dry arctic tundra. <i>Molecular Ecology</i> , 2015, 24, 424-437.	3.9	50
84	Arctic cyclone water vapor isotopes support past sea ice retreat recorded in Greenland ice. <i>Scientific Reports</i> , 2015, 5, 10295.	3.3	41
85	Diet of female polar bears in the southern Beaufort Sea of Alaska: evidence for an emerging alternative foraging strategy in response to environmental change. <i>Polar Biology</i> , 2015, 38, 1035-1047.	1.2	58
86	Aircraft validation of Aura Tropospheric Emission Spectrometer retrievals of HDO / H ₂ O. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3127-3138.	3.1	29
87	The amount and timing of precipitation control the magnitude, seasonality and sources ($\delta^{14}C$) of ecosystem respiration in a polar semi-desert, northwestern Greenland. <i>Biogeosciences</i> , 2014, 11, 4289-4304.	3.3	20
88	The pronounced seasonality of global groundwater recharge. <i>Water Resources Research</i> , 2014, 50, 8845-8867.	4.2	246
89	Permafrost thaw affects boreal deciduous plant transpiration through increased soil water, deeper thaw, and warmer soils. <i>Ecohydrology</i> , 2014, 7, 982-997.	2.4	31
90	Stable isotopes of water show deep seasonal recharge in northern bogs and fens. <i>Hydrological Processes</i> , 2014, 28, 4938-4952.	2.6	22

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91	Differential ecophysiological response of deciduous shrubs and a graminoid to long-term experimental snow reductions and additions in moist acidic tundra, Northern Alaska. <i>Oecologia</i> , 2014, 174, 339-350.	2.0	39
92	Pacific–North American Teleconnection Controls on Precipitation Isotopes ($\delta^{18}\text{O}$) across the Contiguous United States and Adjacent Regions: A GCM-Based Analysis. <i>Journal of Climate</i> , 2014, 27, 1046-1061.	3.2	40
93	High Arctic wetting reduces permafrost carbon feedbacks to climate warming. <i>Nature Climate Change</i> , 2014, 4, 51-55.	18.8	76
94	Contrasting assignment of migratory organisms to geographic origins using long-term versus year-specific precipitation isotope maps. <i>Methods in Ecology and Evolution</i> , 2014, 5, 891-900.	5.2	41
95	Quantifying the isotopic “continental effect”™. <i>Earth and Planetary Science Letters</i> , 2014, 406, 123-133.	4.4	106
96	Rates and radiocarbon content of summer ecosystem respiration in response to long-term deeper snow in the High Arctic of NW Greenland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1180-1194.	3.0	24
97	CO_2 exchange along a hydrologic gradient in the Kenai Lowlands, AK: feedback implications of wetland drying and vegetation succession. <i>Ecohydrology</i> , 2013, 6, 38-50.	2.4	9
98	Winter precipitation isotope slopes of the contiguous USA and their relationship to the Pacific/North American (PNA) pattern. <i>Climate Dynamics</i> , 2013, 41, 403-420.	3.8	18
99	Terrestrial and marine trophic pathways support young-of-year growth in a nearshore Arctic fish. <i>Polar Biology</i> , 2013, 36, 137-146.	1.2	20
100	Complex carbon cycle responses to multi-level warming and supplemental summer rain in the high Arctic. <i>Global Change Biology</i> , 2013, 19, 1780-1792.	9.5	57
101	Stable isotopic evidence of El Niño-like atmospheric circulation in the Pliocene western United States. <i>Climate of the Past</i> , 2013, 9, 903-912.	3.4	20
102	Interactions among shrub cover and the soil microclimate may determine future Arctic carbon budgets. <i>Ecology Letters</i> , 2012, 15, 1415-1422.	6.4	93
103	Long-term analysis of Hubbard Brook stable oxygen isotope ratios of streamwater and precipitation sulfate. <i>Biogeochemistry</i> , 2012, 111, 443-454.	3.5	16
104	Landscape Heterogeneity of Shrub Expansion in Arctic Alaska. <i>Ecosystems</i> , 2012, 15, 711-724.	3.4	178
105	ENSO effects on $\delta^{18}\text{O}$, $\delta^2\text{H}$ and $\delta^{34}\text{S}$ values in precipitation across the U.S. using a high-density, long-term network (USNIP). <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1893-1898.	1.5	52
106	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012, 2, 453-457.	18.8	745
107	Large herbivores limit CO_2 uptake and suppress carbon cycle responses to warming in West Greenland. <i>Global Change Biology</i> , 2012, 18, 469-479.	9.5	83
108	Evidence of Nonlinearity in the Response of Net Ecosystem CO_2 Exchange to Increasing Levels of Winter Snow Depth in the High Arctic of Northwest Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2011, 43, 95-106.	1.1	47

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109	Twentieth century erosion in Arctic Alaska foothills: The influence of shrubs, runoff, and permafrost. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	24
110	Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. <i>Environmental Research Letters</i> , 2011, 6, 045509.	5.2	1,021
111	The temperature responses of soil respiration in deserts: a seven desert synthesis. <i>Biogeochemistry</i> , 2011, 103, 71-90.	3.5	101
112	Decomposition of old organic matter as a result of deeper active layers in a snow depth manipulation experiment. <i>Oecologia</i> , 2010, 163, 785-792.	2.0	98
113	Modeling the seasonality of belowground respiration along an elevation gradient in the western Chugach Mountains, Alaska. <i>Biogeochemistry</i> , 2010, 101, 61-75.	3.5	9
114	Experimental manipulations of winter snow and summer rain influence ecosystem carbon cycling in a mixed-grass prairie, Wyoming, USA. <i>Ecohydrology</i> , 2010, 3, 284-293.	2.4	44
115	Moisture source temperatures and precipitation $\delta^{18}O$ -temperature relationships across the United States. <i>Water Resources Research</i> , 2010, 46, .	4.2	45
116	Monthly precipitation isoscapes ($\delta^{18}O$) of the United States: Connections with surface temperatures, moisture source conditions, and air mass trajectories. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	63
117	Atmospheric circulation is reflected in precipitation isotope gradients over the conterminous United States. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	82
118	Radiocarbon Content of CO_2 Respired from High Arctic Tundra in Northwest Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2010, 42, 342-350.	1.1	34
119	Global patterns of foliar nitrogen isotopes and their relationships with climate, mycorrhizal fungi, foliar nutrient concentrations, and nitrogen availability. <i>New Phytologist</i> , 2009, 183, 980-992.	7.3	744
120	The influence of air mass source on the seasonal isotopic composition of precipitation, eastern USA. <i>Journal of Geochemical Exploration</i> , 2009, 102, 103-112.	3.2	88
121	Ecological Dynamics Across the Arctic Associated with Recent Climate Change. <i>Science</i> , 2009, 325, 1355-1358.	12.6	1,043
122	Temperature and Microtopography Interact to Control Carbon Cycling in a High Arctic Fen. <i>Ecosystems</i> , 2008, 11, 61-76.	3.4	123
123	Increased snow facilitates plant invasion in mixedgrass prairie. <i>New Phytologist</i> , 2008, 179, 440-448.	7.3	57
124	Energy and water additions give rise to simple responses in plant canopy and soil microclimates of a high arctic ecosystem. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
125	Introduction to special section on Biocomplexity of Arctic Tundra Ecosystems. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	10
126	Grazing Impacts on Soil Carbon and Microbial Communities in a Mixed-Grass Ecosystem. <i>Soil Science Society of America Journal</i> , 2008, 72, 939-948.	2.2	160

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127	Amount-weighted annual isotopic ($\delta^{18}\text{O}$) values are affected by the seasonality of precipitation: A sensitivity study. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	55
128	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , 2007, 10, 619-627.	6.4	379
129	Variation in leaf physiology of <i>Salix arctica</i> within and across ecosystems in the High Arctic: test of a dual isotope ($\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) conceptual model. <i>Oecologia</i> , 2007, 151, 372-386.	2.0	63
130	Climate and species affect fine root production with long-term fertilization in acidic tussock tundra near Toolik Lake, Alaska. <i>Oecologia</i> , 2007, 153, 643-652.	2.0	87
131	MODELING THE EFFECT OF PHOTOSYNTHETIC VEGETATION PROPERTIES ON THE NDVI-LAI RELATIONSHIP. <i>Ecology</i> , 2006, 87, 2765-2772.	3.2	64
132	Arctic and North Atlantic Oscillation phase changes are recorded in the isotopes ($\delta^{18}\text{O}$ and $\delta^{15}\text{N}$) in precipitation. <i>Journal of Geophysical Research</i> , 2005, 110, 5057.	9.5	57
133	Leaf mineral nutrition of Arctic plants in response to warming and deeper snow in northern Alaska. <i>Oikos</i> , 2005, 109, 167-177.	2.7	99
134	Spatial distribution and seasonal variation in $\delta^{18}\text{O}/\delta^{16}\text{O}$ of modern precipitation and river water across the conterminous USA. <i>Hydrological Processes</i> , 2005, 19, 4121-4146.	2.6	273
135	Warming chambers stimulate early season growth of an arctic sedge: results of a minirhizotron field study. <i>Oecologia</i> , 2005, 142, 616-626.	2.0	78
136	Evidence and Implications of Recent Climate Change in Northern Alaska and Other Arctic Regions. <i>Climatic Change</i> , 2005, 72, 251-298.	3.6	1,219
137	Soil Organic Carbon Composition in a Northern Mixed-Grass Prairie. <i>Soil Science Society of America Journal</i> , 2005, 69, 1746-1756.	2.2	60
138	On the temperature correlation of $\delta^{18}\text{O}$ in modern precipitation. <i>Earth and Planetary Science Letters</i> , 2005, 231, 87-96.	4.4	126
139	The role of topography on catchment-scale water residence time. <i>Water Resources Research</i> , 2005, 41, .	4.2	571
140	Winter Biological Processes Could Help Convert Arctic Tundra to Shrubland. <i>BioScience</i> , 2005, 55, 17.	4.9	557
141	Role of Land-Surface Changes in Arctic Summer Warming. <i>Science</i> , 2005, 310, 657-660.	12.6	1,186
142	CO ₂ exchange in three Canadian High Arctic ecosystems: response to long-term experimental warming. <i>Global Change Biology</i> , 2004, 10, 1981-1995.	9.5	192
143	Estimation of Carbon Sequestration by Combining Remote Sensing and Net Ecosystem Exchange Data for Northern Mixed-Grass Prairie and Sagebrush-Steppe Ecosystems. <i>Environmental Management</i> , 2004, 33, S432-S441.	2.7	28
144	Alpine Grassland CO ₂ Exchange and Nitrogen Cycling: Grazing History Effects, Medicine Bow Range, Wyoming, U.S.A. <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 11-20.	1.1	33

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145	Leaf isotopic ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) and nitrogen contents of <i>Carex</i> plants along the Eurasian Coastal Arctic: results from the Northeast Passage expedition. <i>Polar Biology</i> , 2003, 27, 29-37.	1.2	34
146	Oxygen isotope content of CO_2 in nocturnal ecosystem respiration: 1. Observations in forests along a precipitation transect in Oregon, USA. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	4.9	28
147	Oxygen isotope content of CO_2 in nocturnal ecosystem respiration: 2. Short-term dynamics of foliar and soil component fluxes in an old-growth ponderosa pine forest. <i>Global Biogeochemical Cycles</i> , 2003, 17, n/a-n/a.	4.9	36
148	Relationships between daytime carbon dioxide uptake and absorbed photosynthetically active radiation for three different mountain/plains ecosystems. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 19-1.	3.3	12
149	Microbial activity discovered in previously ice-entombed Arctic ecosystems. <i>Eos</i> , 2002, 83, 281.	0.1	9
150	Isotopic ($\delta^{18}\text{O}$) characteristics of weekly precipitation collected across the USA: an initial analysis with application to water source studies. <i>Hydrological Processes</i> , 2000, 14, 1449-1464.	2.6	195
151	Title is missing!. <i>Climatic Change</i> , 2000, 44, 139-150.	3.6	180
152	A Note on Summer CO_2 Flux, Soil Organic Matter, and Microbial Biomass from Different High Arctic Ecosystem Types in Northwestern Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 104-106.	1.1	26
153	Early Spring Nitrogen Uptake by Snow-Covered Plants: A Comparison of Arctic and Alpine Plant Function under the Snowpack. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 404.	1.1	66
154	Ecological significance of litter redistribution by wind and snow in arctic landscapes. <i>Ecography</i> , 2000, 23, 623-631.	4.5	67
155	CO_2 Flux in Arctic and Alpine Dry Tundra: Comparative Field Responses Under Ambient and Experimentally Warmed Conditions. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 272-277.	1.1	30
156	Early and Late Winter CO_2 Efflux from Arctic Tundra in the Kuparuk River Watershed, Alaska, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 187-190.	1.1	38
157	Carbon and water relations of <i>Salix monticola</i> in response to winter browsing and changes in surface water hydrology: an isotopic study using $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$. <i>Oecologia</i> , 1999, 120, 375-385.	2.0	48
158	Long-term experimental manipulation of winter snow regime and summer temperature in arctic and alpine tundra. <i>Hydrological Processes</i> , 1999, 13, 2315-2330.	2.6	232
159	RESPONSES OF TUNDRA PLANTS TO EXPERIMENTAL WARMING: META-ANALYSIS OF THE INTERNATIONAL TUNDRA EXPERIMENT. <i>Ecological Monographs</i> , 1999, 69, 491-511.	5.4	270
160	Wintertime CO_2 efflux from Arctic soils: Implications for annual carbon budgets. <i>Global Biogeochemical Cycles</i> , 1999, 13, 775-779.	4.9	168
161	Responses of Tundra Plants to Experimental Warming: Meta-Analysis of the International Tundra Experiment. <i>Ecological Monographs</i> , 1999, 69, 491.	5.4	524
162	Long-term experimental manipulation of winter snow regime and summer temperature in arctic and alpine tundra. , 1999, 13, 2315.		4

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163	CO ₂ Flux in Arctic and Alpine Dry Tundra: Comparative Field Responses under Ambient and Experimentally Warmed Conditions. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 272.	1.1	26
164	Early and Late Winter CO ₂ Efflux from Arctic Tundra in the Kuparuk River Watershed, Alaska, U.S.A.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 187.	1.1	37
165	Differential water resource use by herbaceous and woody plant life-forms in a shortgrass steppe community. <i>Oecologia</i> , 1998, 117, 504-512.	2.0	176
166	Winter and early spring CO ₂ efflux from tundra communities of northern Alaska. <i>Journal of Geophysical Research</i> , 1998, 103, 29023-29027.	3.3	158
167	Carbon Dioxide Fluxes in Moist and Dry Arctic Tundra during the Snow-free Season: Responses to Increases in Summer Temperature and Winter Snow Accumulation. <i>Arctic and Alpine Research</i> , 1998, 30, 373-380.	1.3	64
168	Carbon Dioxide Fluxes in Moist and Dry Arctic Tundra during the Snow-Free Season: Responses to Increases in Summer Temperature and Winter Snow Accumulation. <i>Arctic and Alpine Research</i> , 1998, 30, 373.	1.3	58
169	Tibetan Alpine Tundra Responses to Simulated Changes in Climate: Aboveground Biomass and Community Responses. <i>Arctic and Alpine Research</i> , 1996, 28, 203.	1.3	65
170	Responses of bracken to increased temperature and nitrogen availability. <i>Global Change Biology</i> , 1996, 2, 59-66.	9.5	24
171	Environmental constraints on the growth, photosynthesis and reproductive development of <i>Dryas octopetala</i> at a high Arctic polar semi-desert, Svalbard. <i>Oecologia</i> , 1995, 102, 478-489.	2.0	176
172	Epicuticular waxes of two arctic species: Compositional differences in relation to winter snow cover. <i>Phytochemistry</i> , 1995, 38, 45-52.	2.9	23
173	Responses of Plant Litter Decomposition and Nitrogen Mineralisation to Simulated Environmental Change in a High Arctic Polar Semi-Desert and a Subarctic Dwarf Shrub Heath. <i>Oikos</i> , 1995, 74, 503.	2.7	128
174	Growth Responses of Four Sub-Arctic Dwarf Shrubs to Simulated Environmental Change. <i>Journal of Ecology</i> , 1994, 82, 307.	4.0	178
175	Blue-Oak Regeneration and Seedling Water Relations in Four Sites within a California Oak Savanna. <i>International Journal of Plant Sciences</i> , 1994, 155, 744-749.	1.3	14
176	Leaf carbon isotope discrimination and vegetative responses of <i>Dryas octopetala</i> to temperature and water manipulations in a High Arctic polar semi-desert, Svalbard. <i>Oecologia</i> , 1993, 95, 463-469.	2.0	68
177	Phenotypic variation in seedlings of a 'keystone' tree species (<i>Quercus douglasii</i>): the interactive effects of acorn source and competitive environment. <i>Oecologia</i> , 1993, 96, 537-547.	2.0	39
178	Comparative Responses of Phenology and Reproductive Development to Simulated Environmental Change in Sub-Arctic and High Arctic Plants. <i>Oikos</i> , 1993, 67, 490.	2.7	234
179	Soil water retention after natural and simulated rainfall on a temperate grassland. <i>Theoretical and Applied Climatology</i> , 1991, 44, 229-237.	2.8	7
180	Capture and allocation of nitrogen by <i>Quercus douglasii</i> seedlings in competition with annual and perennial grasses. <i>Oecologia</i> , 1991, 87, 459-466.	2.0	36

#	ARTICLE	IF	CITATIONS
181	The Influence of Simulated Browsing on Tissue Water Relations, Growth and Survival of <i>Quercus douglasii</i> (Hook and Arn.) Seedlings Under Slow and Rapid Rates of Soil Drought. <i>Functional Ecology</i> , 1990, 4, 807.	3.6	36
182	Nitrogen-15 partitioning within a three generation tiller sequence of the bunchgrass <i>Schizachyrium scoparium</i> : response to selective defoliation. <i>Oecologia</i> , 1987, 74, 330-334.	2.0	45
183	Carbon import among vegetative tillers within two bunchgrasses: assessment with carbon-11 labelling. <i>Oecologia</i> , 1985, 67, 209-212.	2.0	46
184	Alpine Grassland CO ₂ Exchange and Nitrogen Cycling: Grazing History Effects, Medicine Bow Range, Wyoming, U.S.A., 0, .		1