Anders Michelsen

List of Publications by Year
in descending order

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251 papers	18,140 citations	13068 68 h-index	17546 121 g-index
255 all docs	255 docs citations	255 times ranked	15525 citing authors

#	Article	IF	Citations
1	Quantifying global soil carbon losses in response to warming. Nature, 2016, 540, 104-108.	13.7	879
2	Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. Ecology Letters, 2012, 15, 164-175.	3.0	764
3	Plot-scale evidence of tundra vegetation change and links to recent summer warming. Nature Climate Change, 2012, 2, 453-457.	8.1	745
4	Global patterns of foliar nitrogen isotopes and their relationships with climate, mycorrhizal fungi, foliar nutrient concentrations, and nitrogen availability. New Phytologist, 2009, 183, 980-992.	3.5	744
5	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	13.7	451
6	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. Ecology Letters, 2007, 10, 619-627.	3.0	379
7	Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass?. Journal of Ecology, 2001, 89, 984-994.	1.9	360
8	Fifteen years of climate change manipulations alter soil microbial communities in a subarctic heath ecosystem. Global Change Biology, 2007, 13, 28-39.	4.2	325
9	Leaf 15N abundance of subarctic plants provides field evidence that ericoid, ectomycorrhizal and non-and arbuscular mycorrhizal species access different sources of soil nitrogen. Oecologia, 1996, 105, 53-63.	0.9	324
10	Freezeâ€“thaw regime effects on carbon and nitrogen dynamics in sub-arctic heath tundra mesocosms. Soil Biology and Biochemistry, 2004, 36, 641-654.	4.2	301
11	Vascular plant 15 N natural abundance in heath and forest tundra ecosystems is closely correlated with presence and type of mycorrhizal fungi in roots. Oecologia, 1998, 115, 406-418.	0.9	300
12	Long-term ecosystem level experiments at Toolik Lake, Alaska, and at Abisko, Northern Sweden: generalizations and differences in ecosystem and plant type responses to global change. Global Change Biology, 2004, 10, 105-123.	4.2	299
13	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	2.7	289
14	RESPONSES IN MICROBES AND PLANTS TO CHANGED TEMPERATURE, NUTRIENT, AND LIGHT REGIMES IN THE ARCTIC. Ecology, 1999, 80, 1828-1843.	1.5	286
15	Microbial biomass C, N and P in two arctic soils and responses to addition of NPK fertilizer and sugar: implications for plant nutrient uptake. Oecologia, 1996, 106, 507-515.	0.9	264
16	Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass?. , 2001, 89, 984.		256
17	Large loss of CO2 in winter observed across the northern permafrost region. Nature Climate Change, 2019, 9, 852-857.	8.1	225
18	Reduced N cycling in response to elevated CO2, warming, and drought in a Danish heathland: Synthesizing results of the CLIMAITE project after two years of treatments. Global Change Biology, 2011, 17, 1884-1899.	4.2	213

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19	Repeated freezeâ€“thaw cycles and their effects on biological processes in two arctic ecosystem types. Applied Soil Ecology, 2002, 21, 187-195.	2.1	207
20	Increased ectomycorrhizal fungal abundance after longâ€term fertilization and warming of two arctic tundra ecosystems. New Phytologist, 2006, 171, 391-404.	3.5	198
21	Long-term CO2 production following permafrost thaw. Nature Climate Change, 2013, 3, 890-894.	8.1	186
22	Mineralization and microbial immobilization of N and P in arctic soils in relation to season, temperature and nutrient amendment. Applied Soil Ecology, 1999, 11, 147-160.	2.1	184
23	Coupling of nutrient cycling and carbon dynamics in the Arctic, integration of soil microbial and plant processes. Applied Soil Ecology, 1999, 11, 135-146.	2.1	175
24	Title is missing!. Plant and Soil, 2002, 242, 93-106.	1.8	160
25	Effects of experimental drought on microbial processes in two temperate heathlands at contrasting water conditions. Applied Soil Ecology, 2003, 24, 165-176.	2.1	160
26	Ecosystem change and stability over multiple decades in the Swedish subarctic: complex processes and multiple drivers. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120488.	1.8	140
27	Shoot biomass, ?13C, nitrogen and chlorophyll responses of two arctic dwarf shrubs to in situ shading, nutrient application and warming simulating climatic change. Oecologia, 1996, 105, 1-12.	0.9	139
28	Title is missing!. Plant and Soil, 1999, 212, 63-73.	1.8	134
29	Effects of litter addition and warming on soil carbon, nutrient pools and microbial communities in a subarctic heath ecosystem. Applied Soil Ecology, 2008, 39, 271-281.	2.1	131
30	Convergence of soil nitrogen isotopes across global climate gradients. Scientific Reports, 2015, 5, 8280.	1.6	127
31	Differential responses of grass and a dwarf shrub to longâ€term changes in soil microbial biomass C, N and P following factorial addition of NPK fertilizer, fungicide and labile carbon to a heath. New Phytologist, 1999, 143, 523-538.	3.5	122
32	Predicting soil carbon loss with warming. Nature, 2018, 554, E4-E5.	13.7	122
33	Microbial control of soil organic matter mineralization responses to labile carbon in subarctic climate change treatments. Global Change Biology, 2016, 22, 4150-4161.	4.2	121
34	Interactive effects of drought, elevated CO2 and warming on photosynthetic capacity and photosystem performance in temperate heath plants. Journal of Plant Physiology, 2011, 168, 1550-1561.	1.6	111
35	Effects of freezeâ€“thaw cycles on microarthropods and nutrient availability in a sub-Arctic soil. Applied Soil Ecology, 2005, 28, 79-93.	2.1	109
36	The effect of VA mycorrhizal fungi, phosphorus and drought stress on the growth of Acacia nilotica and Leucaena leucocephala seedlings. Plant and Soil, 1990, 124, 7-13.	1.8	107

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37	Carbon stocks, soil respiration and microbial biomass in fire-prone tropical grassland, woodland and forest ecosystems. Soil Biology and Biochemistry, 2004, 36, 1707-1717.	4.2	104
38	Nordic<i>Empetrum</i>Dominated Ecosystems: Function and Susceptibility to Environmental Changes. Ambio, 2000, 29, 90-97.	2.8	103
39	Respiration and Microbial Dynamics in Two Subarctic Ecosystems during Winter and Spring Thaw: Effects of Increased Snow Depth. Arctic, Antarctic, and Alpine Research, 2007, 39, 268-276.	0.4	102
40	Effects of labile soil carbon on nutrient partitioning between an arctic graminoid and microbes. Oecologia, 1997, 112, 557-565.	0.9	100
41	Soil and Plant Community-Characteristics and Dynamics at Zackenberg. Advances in Ecological Research, 2008, 40, 223-248.	1.4	99
42	Tropical savannah woodland: effects of experimental fire on soil microorganisms and soil emissions of carbon dioxide. Soil Biology and Biochemistry, 2004, 36, 849-858.	4.2	97
43	Soil respiration is stimulated by elevated CO₂ and reduced by summer drought: three years of measurements in a multifactor ecosystem manipulation experiment in a temperate heathland (CLIMAITE). Global Change Biology, 2012, 18, 1216-1230.	4.2	97
44	Long-term manipulation of the microbes and microfauna of two subarctic heaths by addition of fungicide, bactericide, carbon and fertilizer. Soil Biology and Biochemistry, 2000, 32, 707-720.	4.2	95
45	Responses in plant, soil inorganic and microbial nutrient pools to experimental fire, ash and biomass addition in a woodland savanna. Oecologia, 2001, 128, 85-93.	0.9	95
46	Effects of environmental perturbations on abundance of subarctic plants after three, seven and ten years of treatments. Ecography, 2001, 24, 5-12.	2.1	94
47	Title is missing!. Plant Ecology, 2002, 159, 83-93.	0.7	92
48	Deeper snow alters soil nutrient availability and leaf nutrient status in high Arctic tundra. Biogeochemistry, 2015, 124, 81-94.	1.7	90
49	Responses of springtail and mite populations to prolonged periods of soil freeze-thaw cycles in a sub-arctic ecosystem. Applied Soil Ecology, 2007, 36, 136-146.	2.1	89
50	Site-dependent N uptake from N-form mixtures by arctic plants, soil microbes and ectomycorrhizal fungi. Oecologia, 2008, 155, 771-783.	0.9	87
51	Assimilation and isotopic fractionation of nitrogen by mycorrhizal and nonmycorrhizal subarctic plants. New Phytologist, 2001, 151, 513-524.	3.5	81
52	Title is missing!. Biogeochemistry, 2003, 65, 15-29.	1.7	81
53	Long-term experimental warming, shading and nutrient addition affect the concentration of phenolic compounds in arctic-alpine deciduous and evergreen dwarf shrubs. Oecologia, 2006, 147, 1-11.	0.9	80
54	Significance of cold-season respiration and photosynthesis in a subarctic heath ecosystem in Northern Sweden. Global Change Biology, 2007, 13, 1498-1508.	4.2	80

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55	Allelopathy in agroforestry systems: the effects of leaf extracts ofCupressus lusitanica and threeEucalyptus spp. on four Ethiopian crops. Agroforestry Systems, 1993, 21, 63-74.	0.9	78
56	Doubled volatile organic compound emissions from subarctic tundra under simulated climate warming. New Phytologist, 2010, 187, 199-208.	3.5	78
57	Honeybees can be recruited by a mechanical model of a dancing bee. Die Naturwissenschaften, 1989, 76, 277-280.	0.6	77
58	Litterfall and nutrient release by decomposition in three plantations compared with a natural forest in the Ethiopian highland. Forest Ecology and Management, 1994, 65, 149-164.	1.4	76
59	Molybdenum and phosphorus limitation of mossâ€associated nitrogen fixation in boreal ecosystems. New Phytologist, 2017, 214, 97-107.	3.5	76
60	Assimilation and isotopic fractionation of nitrogen by mycorrhizal fungi. New Phytologist, 2001, 151, 503-511.	3.5	75
61	Effects of long-term soil warming and fertilisation on microarthropod abundances in three sub-arctic ecosystems. Applied Soil Ecology, 2005, 30, 148-161.	2.1	75
62	Experimental design of multifactor climate change experiments with elevated CO₂, warming and drought: the CLIMAITE project. Functional Ecology, 2008, 22, 185-195.	1.7	75
63	Interactive effects of elevated CO2, warming, and drought on photosynthesis of Deschampsia flexuosa in a temperate heath ecosystem. Journal of Experimental Botany, 2011, 62, 4253-4266.	2.4	75
64	Title is missing!. Climatic Change, 2001, 50, 129-142.	1.7	74
65	Climatic warming increases isoprene emission from a subarctic heath. New Phytologist, 2008, 180, 853-863.	3.5	74
66	Environmental controls on soil respiration in the Eurasian and Greenlandic Arctic. Journal of Geophysical Research, 1998, 103, 29015-29021.	3.3	73
67	Off-season uptake of nitrogen in temperate heath vegetation. Oecologia, 2005, 144, 585-597.	0.9	73
68	Mineralization and carbon turnover in subarctic heath soil as affected by warming and additional litter. Soil Biology and Biochemistry, 2007, 39, 3014-3023.	4.2	72
69	Carbon Dioxide and Methane Exchange of a Subarctic Heath in Response to Climate Change Related Environmental Manipulations. Oikos, 1997, 79, 34.	1.2	71
70	Seasonal Variation in Gross Ecosystem Production, Plant Biomass, and Carbon and Nitrogen Pools in Five High Arctic Vegetation Types. Arctic, Antarctic, and Alpine Research, 2009, 41, 164-173.	0.4	71
71	Enhanced summer warming reduces fungal decomposer diversity and litter mass loss more strongly in dry than in wet tundra. Global Change Biology, 2017, 23, 406-420.	4.2	71
72	A tipping point in carbon storage when forest expands into tundra is related to mycorrhizal recycling of nitrogen. Ecology Letters, 2021, 24, 1193-1204.	3.0	70

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73	Inhibition of growth, and effects on nutrient uptake of arctic graminoids by leaf extracts ? allelopathy or resource competition between plants and microbes?. Oecologia, 1995, 103, 407-418.	0.9	69
74	Comparisons of Understorey Vegetation and Soil Fertility in Plantations and Adjacent Natural Forests in the Ethiopian Highlands. Journal of Applied Ecology, 1996, 33, 627.	1.9	68
75	Effects of elevated CO₂, warming and drought episodes on plant carbon uptake in a temperate heath ecosystem are controlled by soil water status. Plant, Cell and Environment, 2011, 34, 1207-1222.	2.8	68
76	The â€œisohydric trapâ€: A proposed feedback between water shortage, stomatal regulation, and nutrient acquisition drives differential growth and survival of European pines under climatic dryness. Global Change Biology, 2018, 24, 4069-4083.	4.2	67
77	Environmental control and intersite variations of phenolics in Betula nana in tundra ecosystems. New Phytologist, 2001, 151, 227-236.	3.5	66
78	Litter, warming and plants affect respiration and allocation of soil microbial and plant C, N and P in arctic mesocosms. Soil Biology and Biochemistry, 2004, 36, 1129-1139.	4.2	65
79	Effects of shading, nutrient application and warming on leaf growth and shoot densities of dwarf shrubs in two arctic-alpine plant communities. Ecoscience, 1997, 4, 191-198.	0.6	64
80	Initial Stages of Tundra Shrub Litter Decomposition May Be Accelerated by Deeper Winter Snow But Slowed Down by Spring Warming. Ecosystems, 2016, 19, 155-169.	1.6	63
81	Multiâ€factor climate change effects on insect herbivore performance. Ecology and Evolution, 2013, 3, 1449-1460.	0.8	62
82	Climate changeâ€induced vegetation change as a driver of increased subarctic biogenic volatile organic compound emissions. Global Change Biology, 2015, 21, 3478-3488.	4.2	61
83	Nitrogen Uptake During Fall, Winter and Spring Differs Among Plant Functional Groups in a Subarctic Heath Ecosystem. Ecosystems, 2012, 15, 927-939.	1.6	59
84	Interaction webs in arctic ecosystems: Determinants of arctic change?. Ambio, 2017, 46, 12-25.	2.8	59
85	Elevated atmospheric CO2 affects decomposition of Festuca vivipara (L.) Sm. litter and roots in experiments simulating environmental change in two contrasting arctic ecosystems. Global Change Biology, 1997, 3, 37-49.	4.2	57
86	Ecosystem nitrogen fixation throughout the snowâ€free period in subarctic tundra: effects of willow and birch litter addition and warming. Global Change Biology, 2017, 23, 1552-1563.	4.2	57
87	Methane oxidation in contrasting soil types: responses to experimental warming with implication for landscapeâ€integrated CH₄ budget. Global Change Biology, 2017, 23, 966-976.	4.2	57
88	Tundra Trait Team: A database of plant traits spanning the tundra biome. Global Ecology and Biogeography, 2018, 27, 1402-1411.	2.7	57
89	Response of ericoid mycorrhizal colonization and functioning to global change factors. New Phytologist, 2004, 162, 459-469.	3.5	56
90	The shift in plant species composition in a subarctic mountain birch forest floor due to climate change would modify the biogenic volatile organic compound emission profile. Plant and Soil, 2012, 352, 199-215.	1.8	55

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91	Moss-specific changes in nitrogen fixation following two decades of warming, shading, and fertilizer addition. Plant Ecology, 2012, 213, 695-706.	0.7	54
92	Responses of fungal root colonization, plant cover and leaf nutrients to longâ€term exposure to elevated atmospheric CO₂ and warming in a subarctic birch forest understory. Global Change Biology, 2010, 16, 1820-1829.	4.2	53
93	Arctic herbivore diet can be inferred from stable carbon and nitrogen isotopes in C₃ plants, faeces, and wool. Canadian Journal of Zoology, 2011, 89, 892-899.	0.4	53
94	Long-term warming and litter addition affects nitrogen fixation in a subarctic heath. Global Change Biology, 2011, 17, 528-537.	4.2	52
95	Global plant trait relationships extend to the climatic extremes of the tundra biome. Nature Communications, 2020, 11, 1351.	5.8	52
96	Across-Habitat Comparison of Diazotroph Activity in the Subarctic. Microbial Ecology, 2015, 69, 778-787.	1.4	51
97	Plant nutrient mobilization in temperate heathland responds to elevated CO2, temperature and drought. Plant and Soil, 2010, 328, 381-396.	1.8	49
98	Traditional plant functional groups explain variation in economic but not sizeâ€related traits across the tundra biome. Global Ecology and Biogeography, 2019, 28, 78-95.	2.7	49
99	Ecosystem respiration depends strongly on photosynthesis in a temperate heath. Biogeochemistry, 2007, 85, 201-213.	1.7	48
100	Ambient ultraviolet radiation in the Arctic reduces root biomass and alters microbial community composition but has no effects on microbial biomass. Global Change Biology, 2005, 11, 564-574.	4.2	47
101	Seasonal variations and effects of nutrient applications on N and P and microbial biomass under two temperate heathland plants. Applied Soil Ecology, 2009, 42, 279-287.	2.1	47
102	High arctic heath soil respiration and biogeochemical dynamics during summer and autumn freezeâ€in â€" effects of longâ€term enhanced water and nutrient supply. Global Change Biology, 2012, 18, 3224-3236.	4.2	47
103	Soil microorganisms respond to five years of climate change manipulations and elevated atmospheric CO2 in a temperate heath ecosystem. Plant and Soil, 2014, 374, 211-222.	1.8	47
104	Effects of Carbohydrate Amendments on Nutrient Partitioning, Plant and Microbial Performance of a Grassland-Shrub Ecosystem. Oikos, 1996, 75, 220.	1.2	46
105	Origin of volatile organic compound emissions from subarctic tundra under global warming. Global Change Biology, 2020, 26, 1908-1925.	4.2	46
106	Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation. Forest Ecology and Management, 1993, 61, 299-324.	1.4	44
107	Exchange of CH4 and N2O in a subarctic heath soil: effects of inorganic N and P and amino acid addition. Soil Biology and Biochemistry, 1999, 31, 637-641.	4.2	43
108	Plant and Microbial Uptake and Allocation of Organic and Inorganic Nitrogen Related to Plant Growth Forms and Soil Conditions at Two Subarctic Tundra Sites in Sweden. Arctic, Antarctic, and Alpine Research, 2008, 40, 171-180.	0.4	43

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109	Two Decades of Experimental Manipulations of Heaths and Forest Understory in the Subarctic. Ambio, 2012, 41, 218-230.	2.8	43
110	Seasonal carbon allocation to arbuscular mycorrhizal fungi assessed by microscopic examination, stable isotope probing and fatty acid analysis. Plant and Soil, 2013, 368, 547-555.	1.8	43
111	Long-term multifactorial climate change impacts on mesofaunal biomass and nitrogen content. Applied Soil Ecology, 2015, 92, 54-63.	2.1	43
112	Urine is an important nitrogen source for plants irrespective of vegetation composition in an Arctic tundra: Insights from a ¹⁵Nâ€enriched urea tracer experiment. Journal of Ecology, 2018, 106, 367-378.	1.9	43
113	Amplification of plant volatile defence against insect herbivory in a warming Arctic tundra. Nature Plants, 2019, 5, 568-574.	4.7	43
114	Nitrogen Fixation, Denitrification, and Ecosystem Nitrogen Pools in Relation to Vegetation Development in the Subarctic. Arctic, Antarctic, and Alpine Research, 2006, 38, 263-272.	0.4	42
115	Co-existing ericaceous plant species in a subarctic mire community share fungal root endophytes. Fungal Ecology, 2010, 3, 205-214.	0.7	42
116	Bacteria and Fungi Respond Differently to Multifactorial Climate Change in a Temperate Heathland, Traced with 13C-Glycine and FACE CO2. PLoS ONE, 2014, 9, e85070.	1.1	42
117	Impacts of twenty years of experimental warming on soil carbon, nitrogen, moisture and soil mites across alpine/subarctic tundra communities. Scientific Reports, 2017, 7, 44489.	1.6	42
118	Rhizosphere bacterial community composition responds to arbuscular mycorrhiza, but not to reductions in microbial activity induced by foliar cutting. FEMS Microbiology Ecology, 2008, 64, 78-89.	1.3	41
119	Inter-Annual Variability and Controls of Plant Phenology and Productivity at Zackenberg. Advances in Ecological Research, 2008, 40, 249-273.	1.4	41
120	Fourfold higher tundra volatile emissions due to arctic summer warming. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 895-902.	1.3	41
121	Nitrogen fixation in the High Arctic: a source of â€˜newâ€™ nitrogen?. Biogeochemistry, 2017, 136, 213-222.	1.7	41
122	What drives biological nitrogen fixation in high arctic tundra: Moisture or temperature?. Ecosphere, 2018, 9, e02117.	1.0	41
123	Plant nitrate use in deciduous woodland: the relationship between leaf N, 15N natural abundance of forbs and soil N mineralisation. Soil Biology and Biochemistry, 2004, 36, 1885-1891.	4.2	40
124	Ambient UV-B radiation reduces PSII performance and net photosynthesis in high Arctic Salix arctica. Environmental and Experimental Botany, 2011, 73, 10-18.	2.0	40
125	Root growth and N dynamics in response to multi-year experimental warming, summer drought and elevated CO2 in a mixed heathland-grass ecosystem. Functional Plant Biology, 2014, 41, 1.	1.1	40
126	Deepened winter snow increases stem growth and alters stem <i>Î´</i> ¹³ C and <i>Î´</i> ¹⁵ N in evergreen dwarf shrub <i>Cassiope tetragona</i> in high-arctic Svalbard tundra. Environmental Research Letters, 2015, 10, 044008.	2.2	39

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127	Quantifying Muskox Plant Biomass Removal and Spatial Relocation of Nitrogen in a High Arctic Tundra Ecosystem. Arctic, Antarctic, and Alpine Research, 2016, 48, 229-240.	0.4	39
128	The interactive effects of temperature and moisture on nitrogen fixation in two temperate-arctic mosses. Theoretical and Experimental Plant Physiology, 2017, 29, 25-36.	1.1	39
129	Shallow soils are warmer under trees and tall shrubs across Arctic and Boreal ecosystems. Environmental Research Letters, 2021, 16, 015001.	2.2	39
130	Uptake of pulse injected nitrogen by soil microbes and mycorrhizal and non-mycorrhizal plants in a species-diverse subarctic heath ecosystem. Plant and Soil, 2008, 313, 283-295.	1.8	38
131	Net root growth and nutrient acquisition in response to predicted climate change in two contrasting heathland species. Plant and Soil, 2013, 369, 615-629.	1.8	38
132	Growing-Season Carbon Dioxide Flux in a Dry Subarctic Heath: Responses to Long-term Manipulations. Arctic, Antarctic, and Alpine Research, 2004, 36, 456-463.	0.4	37
133	Interactions between plants, litter and microbes in cycling of nitrogen and phosphorus in the arctic. Soil Biology and Biochemistry, 2006, 38, 526-532.	4.2	37
134	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. Environmental and Experimental Botany, 2011, 72, 377-386.	2.0	36
135	Foraging deeply: Depthâ€specific plant nitrogen uptake in response to climateâ€induced Nâ€release and permafrost thaw in the High Arctic. Global Change Biology, 2020, 26, 6523-6536.	4.2	36
136	Nonvascular contribution to ecosystem NPP in a subarctic heath during early and late growing season. Plant Ecology, 2009, 202, 41-53.	0.7	35
137	Seasonal variation in nitrogen fixation and effects of climate change in a subarctic heath. Plant and Soil, 2014, 379, 193-204.	1.8	35
138	Footprints from the past: The influence of past human activities on vegetation and soil across five archaeological sites in Greenland. Science of the Total Environment, 2019, 654, 895-905.	3.9	35
139	Simulated climate change in subarctic soils: responses in nematode species composition and dominance structure. Nematology, 1999, 1, 513-526.	0.2	34
140	Effects on plant production after addition of labile carbon to arctic/alpine soils. Oecologia, 1997, 112, 305-313.	0.9	33
141	Integrated long-term responses of an arcticâ€“alpine willow and associated ectomycorrhizal fungi to an altered environment. Canadian Journal of Botany, 2006, 84, 831-843.	1.2	33
142	Glycine uptake in heath plants and soil microbes responds to elevated temperature, CO2 and drought. Acta Oecologica, 2009, 35, 786-796.	0.5	33
143	Ambient UV-B radiation reduces PSII performance and net photosynthesis in high Arctic Salix arctica. Environmental and Experimental Botany, 2011, 72, 439-447.	2.0	32
144	Warming increases isoprene emissions from an arctic fen. Science of the Total Environment, 2016, 553, 297-304.	3.9	32

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145	High Arctic plant community responses to a decade of ambient warming. Biodiversity, 2012, 13, 191-199.	0.5	31
146	Twenty-Two Years of Warming, Fertilisation and Shading of Subarctic Heath Shrubs Promote Secondary Growth and Plasticity but Not Primary Growth. PLoS ONE, 2012, 7, e34842.	1.1	31
147	Benthic resources are the key to <i>Daphnia middendorffiana</i> survival in a high arctic pond. Freshwater Biology, 2012, 57, 541-551.	1.2	31
148	Does warming affect growth rate and biomass production of shrubs in the High Arctic?. Plant Ecology, 2013, 214, 1049-1058.	0.7	31
149	Off-season biogenic volatile organic compound emissions from heath mesocosms: responses to vegetation cutting. Frontiers in Microbiology, 2013, 4, 224.	1.5	31
150	Biogenic volatile organic compound emissions in four vegetation types in high arctic Greenland. Polar Biology, 2014, 37, 237-249.	0.5	31
151	Nitrogen Transfer from Four Nitrogen-Fixer Associations to Plants and Soils. Ecosystems, 2016, 19, 1491-1504.	1.6	31
152	Show Me Your Rump Hair and I Will Tell You What You Ate â€“ The Dietary History of Muskoxen (Ovibos) Tj ETQq0 0 0 rgBT /Overlock 1	1.1	31
153	Conservation value of the herbaceous vegetation in hedgerows â€“ does organic farming make a difference?. Biological Conservation, 2004, 118, 467-478.	1.9	30
154	Manipulations of a microbial based soil food web at two arctic sites â€” evidence of species redundancy among the nematode fauna?. Applied Soil Ecology, 2001, 17, 19-30.	2.1	29
155	Long-term warming of a subarctic heath decreases soil bacterial community growth but has no effects on its temperature adaptation. Applied Soil Ecology, 2011, 47, 217-220.	2.1	29
156	Correlations between substrate availability, dissolved CH₄, and CH₄ emissions in an arctic wetland subject to warming and plant removal. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 645-660.	1.3	29
157	Disentangling nutritional pathways linking leafcutter ants and their coâ€evolved fungal symbionts using stable isotopes. Ecology, 2018, 99, 1999-2009.	1.5	29
158	Deepened winter snow significantly influences the availability and forms of nitrogen taken up by plants in High Arctic tundra. Soil Biology and Biochemistry, 2019, 135, 222-234.	4.2	29
159	Mycorrhiza and root nodulation in tree seedlings from five nurseries in Ethiopia and Somalia. Forest Ecology and Management, 1992, 48, 335-344.	1.4	28
160	Responses of nematode species composition to factorial addition of carbon, fertiliser, bactericide and fungicide at two sub-arctic sites. Nematology, 2002, 4, 527-539.	0.2	28
161	Two mire species respond differently to enhanced ultravioletâ€B radiation: effects on biomass allocation and root exudation. New Phytologist, 2006, 169, 809-818.	3.5	28
162	Limited dietary overlap amongst resident Arctic herbivores in winter: complementary insights from complementary methods. Oecologia, 2018, 187, 689-699.	0.9	28

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163	Leaf anatomy, BVOC emission and CO₂exchange of arctic plants following snow addition and summer warming. Annals of Botany, 2017, 119, 433-445.	1.4	27
164	Ergosterol content in ericaceous hair roots correlates with dark septate endophytes but not with ericoid mycorrhizal colonization. Soil Biology and Biochemistry, 2007, 39, 1218-1221.	4.2	26
165	Nitrogen Uptake During One Year in Subarctic Plant Functional Groups and in Microbes After Long-Term Warming and Fertilization. Ecosystems, 2008, 11, 1223-1233.	1.6	26
166	Belowground heathland responses after 2Âyears of combined warming, elevated CO2 and summer drought. Biogeochemistry, 2010, 101, 27-42.	1.7	26
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