

Anders Michelsen

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248
papers

14,045
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62
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109
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254
ext. papers

16,069
ext. citations

6.1
avg, IF

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L-index

#	Paper	IF	Citations
248	Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. <i>Ecology Letters</i> , 2012 , 15, 164-75	10	616
247	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	9.8	606
246	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012 , 2, 453-457	21.4	587
245	Quantifying global soil carbon losses in response to warming. <i>Nature</i> , 2016 , 540, 104-108	50.4	560
244	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , 2007 , 10, 619-27	10	328
243	Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass?. <i>Journal of Ecology</i> , 2001 , 89, 984-994	6	321
242	Leaf N abundance of subarctic plants provides field evidence that ericoid, ectomycorrhizal and non- and arbuscular mycorrhizal species access different sources of soil nitrogen. <i>Oecologia</i> , 1996 , 105, 53-63	2.9	282
241	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018 , 562, 57-62	50.4	264
240	Vascular plant N natural abundance in heath and forest tundra ecosystems is closely correlated with presence and type of mycorrhizal fungi in roots. <i>Oecologia</i> , 1998 , 115, 406-418	2.9	263
239	Fifteen years of climate change manipulations alter soil microbial communities in a subarctic heath ecosystem. <i>Global Change Biology</i> , 2007 , 13, 28-39	11.4	259
238	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. <i>Global Change Biology</i> , 2004 , 10, 105-123	11.4	258
237	Freeze-thaw regime effects on carbon and nitrogen dynamics in sub-arctic heath tundra mesocosms. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 641-654	7.5	250
236	Microbial biomass C, N and P in two arctic soils and responses to addition of NPK fertilizer and sugar: implications for plant nutrient uptake. <i>Oecologia</i> , 1996 , 106, 507-515	2.9	246
235	RESPONSES IN MICROBES AND PLANTS TO CHANGED TEMPERATURE, NUTRIENT, AND LIGHT REGIMES IN THE ARCTIC. <i>Ecology</i> , 1999 , 80, 1828-1843	4.6	245
234	Increased ectomycorrhizal fungal abundance after long-term fertilization and warming of two arctic tundra ecosystems. <i>New Phytologist</i> , 2006 , 171, 391-404	9.8	183
233	Mineralization and microbial immobilization of N and P in arctic soils in relation to season, temperature and nutrient amendment. <i>Applied Soil Ecology</i> , 1999 , 11, 147-160	5	176
232	Reduced N cycling in response to elevated CO ₂ , warming, and drought in a Danish heathland: Synthesizing results of the CLIMAITE project after two years of treatments. <i>Global Change Biology</i> , 2011 , 17, 1884-1899	11.4	173

231	Repeated freeze-thaw cycles and their effects on biological processes in two arctic ecosystem types. <i>Applied Soil Ecology</i> , 2002 , 21, 187-195	5	167
230	Coupling of nutrient cycling and carbon dynamics in the Arctic, integration of soil microbial and plant processes. <i>Applied Soil Ecology</i> , 1999 , 11, 135-146	5	163
229	Long-term CO ₂ production following permafrost thaw. <i>Nature Climate Change</i> , 2013 , 3, 890-894	21.4	154
228	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018 , 27, 760-786	6.1	153
227	Mineralization and distribution of nutrients in plants and microbes in four arctic ecosystems: responses to warming. <i>Plant and Soil</i> , 2002 , 242, 93-106	4.2	145
226	Effects of experimental drought on microbial processes in two temperate heathlands at contrasting water conditions. <i>Applied Soil Ecology</i> , 2003 , 24, 165-176	5	139
225	Shoot biomass, C, nitrogen and chlorophyll responses of two arctic dwarf shrubs to in situ shading, nutrient application and warming simulating climatic change. <i>Oecologia</i> , 1996 , 105, 1-12	2.9	130
224	Differential responses of grass and a dwarf shrub to long-term changes in soil microbial biomass C, N and P following factorial addition of NPK fertilizer, fungicide and labile carbon to a heath. <i>New Phytologist</i> , 1999 , 143, 523-538	9.8	117
223	Simulated climate change affecting microorganisms, nematode density and biodiversity in subarctic soils. <i>Plant and Soil</i> , 1999 , 212, 63-73	4.2	112
222	Large loss of CO in winter observed across the northern permafrost region.. <i>Nature Climate Change</i> , 2019 , 9, 852-857	21.4	112
221	Ecosystem change and stability over multiple decades in the Swedish subarctic: complex processes and multiple drivers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120488	5.8	110
220	Effects of litter addition and warming on soil carbon, nutrient pools and microbial communities in a subarctic heath ecosystem. <i>Applied Soil Ecology</i> , 2008 , 39, 271-281	5	103
219	Respiration and Microbial Dynamics in Two Subarctic Ecosystems during Winter and Spring Thaw: Effects of Increased Snow Depth. <i>Arctic, Antarctic, and Alpine Research</i> , 2007 , 39, 268-276	1.8	97
218	Effects of labile soil carbon on nutrient partitioning between an arctic graminoid and microbes. <i>Oecologia</i> , 1997 , 112, 557-565	2.9	94
217	Carbon stocks, soil respiration and microbial biomass in fire-prone tropical grassland, woodland and forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1707-1717	7.5	94
216	Interactive effects of drought, elevated CO ₂ and warming on photosynthetic capacity and photosystem performance in temperate heath plants. <i>Journal of Plant Physiology</i> , 2011 , 168, 1550-61	3.6	92
215	Effects of freeze-thaw cycles on microarthropods and nutrient availability in a sub-Arctic soil. <i>Applied Soil Ecology</i> , 2005 , 28, 79-93	5	91
214	Convergence of soil nitrogen isotopes across global climate gradients. <i>Scientific Reports</i> , 2015 , 5, 8280	4.9	90

213	NordicEmpetrumDominated Ecosystems: Function and Susceptibility to Environmental Changes. <i>Ambio</i> , 2000 , 29, 90-97	6.5	90
212	Effects of environmental perturbations on abundance of subarctic plants after three, seven and ten years of treatments. <i>Ecography</i> , 2001 , 24, 5-12	6.5	89
211	Long-term manipulation of the microbes and microfauna of two subarctic heaths by addition of fungicide, bactericide, carbon and fertilizer. <i>Soil Biology and Biochemistry</i> , 2000 , 32, 707-720	7.5	89
210	The effect of VA mycorrhizal fungi, phosphorus and drought stress on the growth of <i>Acacia nilotica</i> and <i>Leucaena leucocephala</i> seedlings. <i>Plant and Soil</i> , 1990 , 124, 7-13	4.2	89
209	Soil and Plant Community-Characteristics and Dynamics at Zackenberg. <i>Advances in Ecological Research</i> , 2008 , 40, 223-248	4.6	86
208	Tropical savannah woodland: effects of experimental fire on soil microorganisms and soil emissions of carbon dioxide. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 849-858	7.5	86
207	Responses in plant, soil inorganic and microbial nutrient pools to experimental fire, ash and biomass addition in a woodland savanna. <i>Oecologia</i> , 2001 , 128, 85-93	2.9	81
206	Microbial control of soil organic matter mineralization responses to labile carbon in subarctic climate change treatments. <i>Global Change Biology</i> , 2016 , 22, 4150-4161	11.4	80
205	Soil respiration is stimulated by elevated CO ₂ and reduced by summer drought: three years of measurements in a multifactor ecosystem manipulation experiment in a temperate heathland (CLIMAITE). <i>Global Change Biology</i> , 2012 , 18, 1216-1230	11.4	78
204	Influence of heat shock on seed germination of plants from regularly burnt savanna woodlands and grasslands in Ethiopia. <i>Plant Ecology</i> , 2002 , 159, 83-93	1.7	78
203	Responses of springtail and mite populations to prolonged periods of soil freeze-thaw cycles in a sub-arctic ecosystem. <i>Applied Soil Ecology</i> , 2007 , 36, 136-146	5	75
202	Significance of cold-season respiration and photosynthesis in a subarctic heath ecosystem in Northern Sweden. <i>Global Change Biology</i> , 2007 , 13, 1498-1508	11.4	74
201	Site-dependent N uptake from N-form mixtures by arctic plants, soil microbes and ectomycorrhizal fungi. <i>Oecologia</i> , 2008 , 155, 771-83	2.9	73
200	Assimilation and isotopic fractionation of nitrogen by mycorrhizal and nonmycorrhizal subarctic plants. <i>New Phytologist</i> , 2001 , 151, 513-524	9.8	73
199	Long-term experimental warming, shading and nutrient addition affect the concentration of phenolic compounds in arctic-alpine deciduous and evergreen dwarf shrubs. <i>Oecologia</i> , 2006 , 147, 1-11	2.9	72
198	Respiration of Recently-Fixed Plant Carbon Dominates Mid-Winter Ecosystem CO ₂ Production in Sub-Arctic Heath Tundra. <i>Climatic Change</i> , 2001 , 50, 129-142	4.5	72
197	Predicting soil carbon loss with warming. <i>Nature</i> , 2018 , 554, E4-E5	50.4	71
196	Assimilation and isotopic fractionation of nitrogen by mycorrhizal fungi. <i>New Phytologist</i> , 2001 , 151, 503-511	9.8	69

195	Deeper snow alters soil nutrient availability and leaf nutrient status in high Arctic tundra. <i>Biogeochemistry</i> , 2015 , 124, 81-94	3.8	67
194	Mineralization and carbon turnover in subarctic heath soil as affected by warming and additional litter. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 3014-3023	7.5	65
193	Effects of long-term soil warming and fertilisation on microarthropod abundances in three sub-arctic ecosystems. <i>Applied Soil Ecology</i> , 2005 , 30, 148-161	5	65
192	Soil plus root respiration and microbial biomass following water, nitrogen, and phosphorus application at a high arctic semi desert. <i>Biogeochemistry</i> , 2003 , 65, 15-29	3.8	65
191	Litterfall and nutrient release by decomposition in three plantations compared with a natural forest in the Ethiopian highland. <i>Forest Ecology and Management</i> , 1994 , 65, 149-164	3.9	65
190	Allelopathy in agroforestry systems: the effects of leaf extracts of <i>Cupressus lusitanica</i> and three <i>Eucalyptus</i> spp. on four Ethiopian crops. <i>Agroforestry Systems</i> , 1993 , 21, 63-74	2	65
189	Off-season uptake of nitrogen in temperate heath vegetation. <i>Oecologia</i> , 2005 , 144, 585-97	2.9	64
188	Honeybees can be recruited by a mechanical model of a dancing bee. <i>Die Naturwissenschaften</i> , 1989 , 76, 277-280	2	63
187	Interactive effects of elevated CO ₂ , warming, and drought on photosynthesis of <i>Deschampsia flexuosa</i> in a temperate heath ecosystem. <i>Journal of Experimental Botany</i> , 2011 , 62, 4253-66	7	62
186	Seasonal Variation in Gross Ecosystem Production, Plant Biomass, and Carbon and Nitrogen Pools in Five High Arctic Vegetation Types. <i>Arctic, Antarctic, and Alpine Research</i> , 2009 , 41, 164-173	1.8	61
185	Environmental controls on soil respiration in the Eurasian and Greenlandic Arctic. <i>Journal of Geophysical Research</i> , 1998 , 103, 29015-29021		61
184	Inhibition of growth, and effects on nutrient uptake of arctic graminoids by leaf extracts - allelopathy or resource competition between plants and microbes?. <i>Oecologia</i> , 1995 , 103, 407-418	2.9	61
183	Climatic warming increases isoprene emission from a subarctic heath. <i>New Phytologist</i> , 2008 , 180, 853-63	3.8	60
182	Environmental control and intersite variations of phenolics in <i>Betula nana</i> in tundra ecosystems. <i>New Phytologist</i> , 2001 , 151, 227-236	9.8	60
181	Litter, warming and plants affect respiration and allocation of soil microbial and plant C, N and P in arctic mesocosms. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1129-1139	7.5	55
180	Carbon Dioxide and Methane Exchange of a Subarctic Heath in Response to Climate Change Related Environmental Manipulations. <i>Oikos</i> , 1997 , 79, 34	4	54
179	Enhanced summer warming reduces fungal decomposer diversity and litter mass loss more strongly in dry than in wet tundra. <i>Global Change Biology</i> , 2017 , 23, 406-420	11.4	53
178	Effects of elevated CO ₂ warming and drought episodes on plant carbon uptake in a temperate heath ecosystem are controlled by soil water status. <i>Plant, Cell and Environment</i> , 2011 , 34, 1207-22	8.4	53

177	Response of ericoid mycorrhizal colonization and functioning to global change factors. <i>New Phytologist</i> , 2004 , 162, 459-469	9.8	53
176	Molybdenum and phosphorus limitation of moss-associated nitrogen fixation in boreal ecosystems. <i>New Phytologist</i> , 2017 , 214, 97-107	9.8	51
175	Doubled volatile organic compound emissions from subarctic tundra under simulated climate warming. <i>New Phytologist</i> , 2010 , 187, 199-208	9.8	51
174	Effects of shading, nutrient application and warming on leaf growth and shoot densities of dwarf shrubs in two arctic-alpine plant communities. <i>Ecoscience</i> , 1997 , 4, 191-198	1.1	51
173	Responses of fungal root colonization, plant cover and leaf nutrients to long-term exposure to elevated atmospheric CO ₂ and warming in a subarctic birch forest understory. <i>Global Change Biology</i> , 2009 , 16, 1820-1829	11.4	49
172	Comparisons of Understorey Vegetation and Soil Fertility in Plantations and Adjacent Natural Forests in the Ethiopian Highlands. <i>Journal of Applied Ecology</i> , 1996 , 33, 627	5.8	49
171	Nitrogen Uptake During Fall, Winter and Spring Differs Among Plant Functional Groups in a Subarctic Heath Ecosystem. <i>Ecosystems</i> , 2012 , 15, 927-939	3.9	48
170	Moss-specific changes in nitrogen fixation following two decades of warming, shading, and fertilizer addition. <i>Plant Ecology</i> , 2012 , 213, 695-706	1.7	48
169	Multi-factor climate change effects on insect herbivore performance. <i>Ecology and Evolution</i> , 2013 , 3, 1449-60	2.8	48
168	Arctic herbivore diet can be inferred from stable carbon and nitrogen isotopes in C ₃ plants, faeces, and wool. <i>Canadian Journal of Zoology</i> , 2011 , 89, 892-899	1.5	47
167	Long-term warming and litter addition affects nitrogen fixation in a subarctic heath. <i>Global Change Biology</i> , 2011 , 17, 528-537	11.4	46
166	Plant nutrient mobilization in temperate heathland responds to elevated CO ₂ , temperature and drought. <i>Plant and Soil</i> , 2010 , 328, 381-396	4.2	44
165	Initial Stages of Tundra Shrub Litter Decomposition May Be Accelerated by Deeper Winter Snow But Slowed Down by Spring Warming. <i>Ecosystems</i> , 2016 , 19, 155-169	3.9	43
164	Ecosystem nitrogen fixation throughout the snow-free period in subarctic tundra: effects of willow and birch litter addition and warming. <i>Global Change Biology</i> , 2017 , 23, 1552-1563	11.4	43
163	Elevated atmospheric CO ₂ affects decomposition of <i>Festuca vivipara</i> (L.) Sm. litter and roots in experiments simulating environmental change in two contrasting arctic ecosystems. <i>Global Change Biology</i> , 1997 , 3, 37-49	11.4	43
162	Across-habitat comparison of diazotroph activity in the subarctic. <i>Microbial Ecology</i> , 2015 , 69, 778-87	4.4	42
161	Ambient ultraviolet radiation in the Arctic reduces root biomass and alters microbial community composition but has no effects on microbial biomass. <i>Global Change Biology</i> , 2005 , 11, 564-574	11.4	42
160	Climate change-induced vegetation change as a driver of increased subarctic biogenic volatile organic compound emissions. <i>Global Change Biology</i> , 2015 , 21, 3478-88	11.4	41

159	Ecosystem respiration depends strongly on photosynthesis in a temperate heath. <i>Biogeochemistry</i> , 2007 , 85, 201-213	3.8	41
158	Co-existing ericaceous plant species in a subarctic mire community share fungal root endophytes. <i>Fungal Ecology</i> , 2010 , 3, 205-214	4.1	40
157	Seasonal variations and effects of nutrient applications on N and P and microbial biomass under two temperate heathland plants. <i>Applied Soil Ecology</i> , 2009 , 42, 279-287	5	40
156	Exchange of CH ₄ and N ₂ O in a subarctic heath soil: effects of inorganic N and P and amino acid addition. <i>Soil Biology and Biochemistry</i> , 1999 , 31, 637-641	7.5	40
155	High arctic heath soil respiration and biogeochemical dynamics during summer and autumn freeze-in - effects of long-term enhanced water and nutrient supply. <i>Global Change Biology</i> , 2012 , 18, 3224-3236	11.4	39
154	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. <i>Plant and Soil</i> , 2012 , 352, 199-215	4.2	39
153	Nitrogen Fixation, Denitrification, and Ecosystem Nitrogen Pools in Relation to Vegetation Development in the Subarctic. <i>Arctic, Antarctic, and Alpine Research</i> , 2006 , 38, 263-272	1.8	39
152	Effects of Carbohydrate Amendments on Nutrient Partitioning, Plant and Microbial Performance of a Grassland-Shrub Ecosystem. <i>Oikos</i> , 1996 , 75, 220	4	38
151	Soil microorganisms respond to five years of climate change manipulations and elevated atmospheric CO ₂ in a temperate heath ecosystem. <i>Plant and Soil</i> , 2014 , 374, 211-222	4.2	37
150	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. <i>Arctic, Antarctic, and Alpine Research</i> , 2008 , 40, 171-180	1.8	37
149	Rhizosphere bacterial community composition responds to arbuscular mycorrhiza, but not to reductions in microbial activity induced by foliar cutting. <i>FEMS Microbiology Ecology</i> , 2008 , 64, 78-89	4.3	37
148	Impacts of tree plantations in the Ethiopian highland on soil fertility, shoot and root growth, nutrient utilisation and mycorrhizal colonisation. <i>Forest Ecology and Management</i> , 1993 , 61, 299-324	3.9	37
147	Interaction webs in arctic ecosystems: Determinants of arctic change?. <i>Ambio</i> , 2017 , 46, 12-25	6.5	36
146	Two decades of experimental manipulations of heaths and forest understory in the subarctic. <i>Ambio</i> , 2012 , 41 Suppl 3, 218-30	6.5	36
145	Inter-Annual Variability and Controls of Plant Phenology and Productivity at Zackenberg. <i>Advances in Ecological Research</i> , 2008 , 40, 249-273	4.6	36
144	The "isohydric trap": A proposed feedback between water shortage, stomatal regulation, and nutrient acquisition drives differential growth and survival of European pines under climatic dryness. <i>Global Change Biology</i> , 2018 , 24, 4069-4083	11.4	36
143	Net root growth and nutrient acquisition in response to predicted climate change in two contrasting heathland species. <i>Plant and Soil</i> , 2013 , 369, 615-629	4.2	35
142	Deepened winter snow increases stem growth and alters stem δ ¹³ C and δ ¹⁵ N in evergreen dwarf shrub <i>Cassiope tetragona</i> in high-arctic Svalbard tundra. <i>Environmental Research Letters</i> , 2015 , 10, 044008	6.2	35

141	Uptake of pulse injected nitrogen by soil microbes and mycorrhizal and non-mycorrhizal plants in a species-diverse subarctic heath ecosystem. <i>Plant and Soil</i> , 2008 , 313, 283-295	4.2	35
140	Growing-Season Carbon Dioxide Flux in a Dry Subarctic Heath: Responses to Long-term Manipulations. <i>Arctic, Antarctic, and Alpine Research</i> , 2004 , 36, 456-463	1.8	35
139	Quantifying Muskox Plant Biomass Removal and Spatial Relocation of Nitrogen in a High Arctic Tundra Ecosystem. <i>Arctic, Antarctic, and Alpine Research</i> , 2016 , 48, 229-240	1.8	33
138	Bacteria and fungi respond differently to multifactorial climate change in a temperate heathland, traced with ¹³ C-glycine and FACE CO ₂ . <i>PLoS ONE</i> , 2014 , 9, e85070	3.7	33
137	Ambient UV-B radiation reduces PSII performance and net photosynthesis in high Arctic <i>Salix arctica</i> . <i>Environmental and Experimental Botany</i> , 2011 , 73, 10-18	5.9	33
136	Interactions between plants, litter and microbes in cycling of nitrogen and phosphorus in the arctic. <i>Soil Biology and Biochemistry</i> , 2006 , 38, 526-532	7.5	33
135	Plant nitrate use in deciduous woodland: the relationship between leaf N, ¹⁵ N natural abundance of forbs and soil N mineralisation. <i>Soil Biology and Biochemistry</i> , 2004 , 36, 1885-1891	7.5	33
134	Impacts of twenty years of experimental warming on soil carbon, nitrogen, moisture and soil mites across alpine/subarctic tundra communities. <i>Scientific Reports</i> , 2017 , 7, 44489	4.9	32
133	Long-term multifactorial climate change impacts on mesofaunal biomass and nitrogen content. <i>Applied Soil Ecology</i> , 2015 , 92, 54-63	5	31
132	Fourfold higher tundra volatile emissions due to arctic summer warming. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 895-902	3.7	31
131	Seasonal variation in nitrogen fixation and effects of climate change in a subarctic heath. <i>Plant and Soil</i> , 2014 , 379, 193-204	4.2	31
130	Effects on plant production after addition of labile carbon to arctic/alpine soils. <i>Oecologia</i> , 1997 , 112, 305-313	2.9	31
129	Does warming affect growth rate and biomass production of shrubs in the High Arctic?. <i>Plant Ecology</i> , 2013 , 214, 1049-1058	1.7	30
128	Methane oxidation in contrasting soil types: responses to experimental warming with implication for landscape-integrated CH budget. <i>Global Change Biology</i> , 2017 , 23, 966-976	11.4	30
127	Glycine uptake in heath plants and soil microbes responds to elevated temperature, CO ₂ and drought. <i>Acta Oecologica</i> , 2009 , 35, 786-796	1.7	30
126	Integrated long-term responses of an arctic/alpine willow and associated ectomycorrhizal fungi to an altered environment. <i>Canadian Journal of Botany</i> , 2006 , 84, 831-843		30
125	Simulated climate change in subarctic soils: responses in nematode species composition and dominance structure. <i>Nematology</i> , 1999 , 1, 513-526	0.9	30
124	The interactive effects of temperature and moisture on nitrogen fixation in two temperate-arctic mosses. <i>Theoretical and Experimental Plant Physiology</i> , 2017 , 29, 25-36	2.4	29

123	Root growth and N dynamics in response to multi-year experimental warming, summer drought and elevated CO in a mixed heathland-grass ecosystem. <i>Functional Plant Biology</i> , 2013 , 41, 1-10	2.7	29
122	Biogenic volatile organic compound emissions in four vegetation types in high arctic Greenland. <i>Polar Biology</i> , 2014 , 37, 237-249	2	29
121	Seasonal carbon allocation to arbuscular mycorrhizal fungi assessed by microscopic examination, stable isotope probing and fatty acid analysis. <i>Plant and Soil</i> , 2013 , 368, 547-555	4.2	29
120	Ambient UV-B radiation reduces PSII performance and net photosynthesis in high Arctic <i>Salix arctica</i> . <i>Environmental and Experimental Botany</i> , 2011 , 72, 439-447	5.9	29
119	Nonvascular contribution to ecosystem NPP in a subarctic heath during early and late growing season. <i>Plant Ecology</i> , 2009 , 202, 41-53	1.7	29
118	Twenty-two years of warming, fertilisation and shading of subarctic heath shrubs promote secondary growth and plasticity but not primary growth. <i>PLoS ONE</i> , 2012 , 7, e34842	3.7	28
117	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. <i>Environmental and Experimental Botany</i> , 2011 , 72, 377-386	5.9	28
116	Nitrogen fixation in the High Arctic: a source of new nitrogen?. <i>Biogeochemistry</i> , 2017 , 136, 213-222	3.8	27
115	High Arctic plant community responses to a decade of ambient warming. <i>Biodiversity</i> , 2012 , 13, 191-199	0.7	27
114	Show Me Your Rump Hair and I Will Tell You What You Ate - The Dietary History of Muskoxen (<i>Ovibos moschatus</i>) Revealed by Sequential Stable Isotope Analysis of Guard Hairs. <i>PLoS ONE</i> , 2016 , 11, e0152874	3.7	27
113	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1402-1411	6.1	27
112	Amplification of plant volatile defence against insect herbivory in a warming Arctic tundra. <i>Nature Plants</i> , 2019 , 5, 568-574	11.5	26
111	Urine is an important nitrogen source for plants irrespective of vegetation composition in an Arctic tundra: Insights from a 15N-enriched urea tracer experiment. <i>Journal of Ecology</i> , 2018 , 106, 367-378	6	26
110	Conservation value of the herbaceous vegetation in hedgerows [Does organic farming make a difference?]. <i>Biological Conservation</i> , 2004 , 118, 467-478	6.2	26
109	Footprints from the past: The influence of past human activities on vegetation and soil across five archaeological sites in Greenland. <i>Science of the Total Environment</i> , 2019 , 654, 895-905	10.2	26
108	Experimental design of multifactor climate change experiments with elevated CO ₂ , warming and drought: the CLIMATE project. <i>Functional Ecology</i> , 2007 , 22, 071116233740002-???	5.6	25
107	Manipulations of a microbial based soil food web at two arctic sites [Evidence of species redundancy among the nematode fauna?]. <i>Applied Soil Ecology</i> , 2001 , 17, 19-30	5	25
106	Mycorrhiza and root nodulation in tree seedlings from five nurseries in Ethiopia and Somalia. <i>Forest Ecology and Management</i> , 1992 , 48, 335-344	3.9	25

105	Benthic resources are the key to <i>Daphnia middendorffiana</i> survival in a high arctic pond. <i>Freshwater Biology</i> , 2012 , 57, 541-551	3.1	24
104	Stable isotopes reveal that chironomids occupy several trophic levels within West Greenland lakes: Implications for food web studies. <i>Limnology and Oceanography</i> , 2013 , 58, 1023-1034	4.8	24
103	Belowground heathland responses after 2 years of combined warming, elevated CO ₂ and summer drought. <i>Biogeochemistry</i> , 2010 , 101, 27-42	3.8	24
102	Ergosterol content in ericaceous hair roots correlates with dark septate endophytes but not with ericoid mycorrhizal colonization. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 1218-1221	7.5	24
101	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019 , 28, 78-95	6.1	24
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