

Ulf Molau

List of Publications by Year in descending order

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55
papers

5,021
citations

201674

27
h-index

161849

54
g-index

56
all docs

56
docs citations

56
times ranked

6174
citing authors

#	ARTICLE	IF	CITATIONS
1	From The Cover: Plant community responses to experimental warming across the tundra biome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1342-1346.	7.1	1,060
2	Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. <i>Ecology Letters</i> , 2012, 15, 164-175.	6.4	764
3	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
4	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
5	Relationships between Flowering Phenology and Life History Strategies in Tundra Plants. <i>Arctic and Alpine Research</i> , 1993, 25, 391.	1.3	212
6	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
7	Ecology of Alpine Snowbeds and the Impact of Global Change. <i>Arctic, Antarctic, and Alpine Research</i> , 2007, 39, 34-43.	1.1	165
8	Onset of flowering and climate variability in an alpine landscape: a 10-year study from Swedish Lapland. <i>American Journal of Botany</i> , 2005, 92, 422-431.	1.7	145
9	Linkages between N turnover and plant community structure in a tundra landscape. <i>Plant and Soil</i> , 2007, 294, 247-261.	3.7	79
10	Warming shortens flowering seasons of tundra plant communities. <i>Nature Ecology and Evolution</i> , 2019, 3, 45-52.	7.8	79
11	Predispersal seed predation in <i>Bartsia alpina</i> . <i>Oecologia</i> , 1989, 81, 181-185.	2.0	75
12	Effects of snowmelt timing on leaf traits, leaf production, and shoot growth of alpine plants: Comparisons along a snowmelt gradient in northern Sweden. <i>Ecoscience</i> , 1999, 6, 439-450.	1.4	75
13	Repeatedly out of Beringia: <i>Cassiope tetragona</i> embraces the Arctic. <i>Journal of Biogeography</i> , 2007, 34, 1559-1574.	3.0	74
14	Plant community responses to 5 years of simulated climate change in meadow and heath ecosystems at a subarctic-alpine site. <i>Oecologia</i> , 2009, 161, 601-610.	2.0	68
15	Genetic variation in the clonal bryophyte <i>Hylocomium splendens</i> at hierarchical geographical scales in Scandinavia. <i>Heredity</i> , 1997, 78, 293-301.	2.6	66
16	Expansion of deciduous tall shrubs but not evergreen dwarf shrubs inhibited by reindeer in Scandes mountain range. <i>Journal of Ecology</i> , 2017, 105, 1547-1561.	4.0	49
17	Seed rain and seed bank along an alpine altitudinal gradient in Swedish Lapland. <i>Canadian Journal of Botany</i> , 2000, 78, 728-747.	1.1	42
18	Long-term impacts of observed and induced climate change on tussock tundra near its southern limit in northern Sweden. <i>Plant Ecology and Diversity</i> , 2010, 3, 29-34.	2.4	42

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19	Community and species-specific responses of plant traits to 23 years of experimental warming across subarctic tundra plant communities. <i>Scientific Reports</i> , 2017, 7, 2571.	3.3	37
20	Reproductive ecology of the three Nordic <i>Pinguicula</i> species (Lentibulariaceae). <i>Nordic Journal of Botany</i> , 1993, 13, 149-157.	0.5	36
21	Effect of altitude on the sex ratio in populations of <i>Silene acaulis</i> (Caryophyllaceae). <i>Nordic Journal of Botany</i> , 1995, 15, 251-256.	0.5	36
22	Variations in reproductive traits at inflorescence and flower levels of an arctic legume, <i>Astragalus alpinus</i> L.: Comparisons between a subalpine and an alpine population. <i>Plant Species Biology</i> , 1999, 14, 181-191.	1.0	36
23	Responses of lichen communities to 18 years of natural and experimental warming. <i>Annals of Botany</i> , 2017, 120, 159-170.	2.9	35
24	Impacts of different climate change regimes and extreme climatic events on an alpine meadow community. <i>Scientific Reports</i> , 2016, 6, 21720.	3.3	33
25	Phenology and Reproductive Success in Arctic Plants: Susceptibility to Climate Change. <i>Ecological Studies</i> , 1997, , 153-170.	1.2	32
26	On the occurrence of sexual reproduction in <i>Saxifraga cernua</i> and <i>S. foliolosa</i> (Saxifragaceae). <i>Nordic Journal of Botany</i> , 1992, 12, 197-203.	0.5	31
27	Mating System and Pollen-Mediated Gene Flow in <i>Bartsia alpina</i> . <i>Oikos</i> , 1989, 55, 409.	2.7	29
28	Age-related growth and reproduction in <i>Diapensia lapponica</i> , an arctic-alpine cushion plant. <i>Nordic Journal of Botany</i> , 1997, 17, 225-234.	0.5	28
29	GENDER VARIATION IN <i>BARTSIA ALPINA</i> (SCROPHULARIACEAE), A SUBARCTIC PERENNIAL HERMAPHRODITE. <i>American Journal of Botany</i> , 1991, 78, 326-339.	1.7	27
30	Testing reliability of short-term responses to predict longer-term responses of bryophytes and lichens to environmental change. <i>Ecological Indicators</i> , 2015, 58, 77-85.	6.3	27
31	Climate change and climatic events: community-, functional- and species-level responses of bryophytes and lichens to constant, stepwise, and pulse experimental warming in an alpine tundra. <i>Alpine Botany</i> , 2014, 124, 81-91.	2.4	26
32	Decomposition rate and stabilization across six tundra vegetation types exposed to >20 years of warming. <i>Science of the Total Environment</i> , 2020, 724, 138304.	8.0	26
33	Dominance hierarchies, diversity and species richness of vascular plants in an alpine meadow: contrasting short and medium term responses to simulated global change. <i>PeerJ</i> , 2014, 2, e406.	2.0	26
34	Rates of Chemical and Mechanical Fluvial Denudation in an Arctic Oceanic Periglacial Environment, Latnjavagge Drainage Basin, Northernmost Swedish Lapland. <i>Arctic, Antarctic, and Alpine Research</i> , 2005, 37, 75-87.	1.1	24
35	Bryophyte cover and richness decline after 18 years of experimental warming in alpine Sweden. <i>AoB PLANTS</i> , 2020, 12, plaa061.	2.3	22
36	Vascular plant abundance and diversity in an alpine heath under observed and simulated global change. <i>Scientific Reports</i> , 2015, 5, 10197.	3.3	16

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37	Pollen viability and limitation of seed production in a population of the circumpolar cushion plant, <i>Silene acaulis</i> (Caryophyllaceae). <i>Nordic Journal of Botany</i> , 2001, 21, 365-372.	0.5	14
38	<i>Nothobartsia</i> , a new genus of Scrophulariaceae from southwest Europe. <i>Plant Systematics and Evolution</i> , 1992, 179, 59-71.	0.9	12
39	Mountain Biodiversity Patterns at Low and High Latitudes. <i>Ambio</i> , 2004, 33, 24.	5.5	12
40	Analysis of a virgin páramo plant community on Volcán Sumaco, Ecuador. <i>Nordic Journal of Botany</i> , 1983, 2, 567-574.	0.5	11
41	Decreased soil moisture due to warming drives phylogenetic diversity and community transitions in the tundra. <i>Environmental Research Letters</i> , 2021, 16, 064031.	5.2	10
42	Effects of ambient climate and three warming treatments on fruit production in an alpine, subarctic meadow community. <i>American Journal of Botany</i> , 2021, 108, 411-422.	1.7	9
43	Gender Variation in <i>Bartsia alpina</i> (Scrophulariaceae), a Subarctic Perennial Hermaphrodite. <i>American Journal of Botany</i> , 1991, 78, 326.	1.7	9
44	The genus <i>Calceolaria</i> in NW South America. VI. The sections <i>Urticopsis</i> , <i>Lobatae</i> and <i>Micranthera</i> . <i>Nordic Journal of Botany</i> , 1981, 1, 165-185.	0.5	8
45	Genetic variation in the clonal bryophyte <i>Hylocomium splendens</i> at hierarchical geographical scales in Scandinavia. <i>Heredity</i> , 1997, 78, 293-301.	2.6	8
46	The genus <i>Calceolaria</i> in NW South America VII. The section <i>Zygophylla</i> . <i>Nordic Journal of Botany</i> , 1981, 1, 493-519.	0.5	7
47	The tundra phenology database: more than two decades of tundra phenology responses to climate change. <i>Arctic Science</i> , 2022, 8, 1026-1039.	2.3	7
48	<i>Hedbergia</i> , a new genus of Scrophulariaceae from Africa. <i>Nordic Journal of Botany</i> , 1988, 8, 193-195.	0.5	5
49	On the interface between ecology and geomorphology. <i>Norsk Geografisk Tidsskrift</i> , 2008, 62, 52-54.	0.7	5
50	Impacts of seven years of experimental warming and nutrient addition on neighbourhood species interactions and community structure in two contrasting alpine plant communities. <i>Ecological Complexity</i> , 2018, 33, 31-40.	2.9	5
51	The genus <i>Calceolaria</i> in NW South America VIII. The section <i>Calceolaria</i> and appendices to parts "VIII". <i>Nordic Journal of Botany</i> , 1981, 1, 595-615.	0.5	4
52	Changes in plant composition and diversity in an alpine heath and meadow after 18 years of experimental warming. <i>Alpine Botany</i> , 0, , 1.	2.4	2
53	New taxa and combinations in <i>Calceolaria</i> (Scrophulariaceae) from Peru and Bolivia. <i>Nordic Journal of Botany</i> , 1984, 4, 629-654.	0.5	1
54	Impact of ambient temperature, precipitation and seven years of experimental warming and nutrient addition on fruit production in an alpine heath and meadow community. <i>Science of the Total Environment</i> , 2022, 836, 155450.	8.0	1

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55	Variation in Life History Traits of <i>Gentiana nivalis</i> (Gentianaceae) in Alpine and Sub-Alpine Habitats in the Norwegian Mountains and Its Implications for Biodiversity in Relation to Environmental Change. <i>Annales Botanici Fennici</i> , 2015, 52, 149-159.	0.1	0