Kari-Anne BrÃ¥then

List of Publications by Year
in descending order

67 papers	4,533 citations	159585 30 h-index	106344 65 g-index
74 all docs	74 docs citations	74 times ranked	6845 citing authors

#	Article	IF	Citations
1	Ecological assembly rules in plant communitiesâ€"approaches, patterns and prospects. Biological Reviews, 2012, 87, 111-127.	10.4	717
2	Fifty thousand years of Arctic vegetation and megafaunal diet. Nature, 2014, 506, 47-51.	27.8	505
3	Ecosystem feedbacks and cascade processes: understanding their role in the responses of Arctic and alpine ecosystems to environmental change. Global Change Biology, 2009, 15, 1153-1172.	9.5	344
4	DNA from soil mirrors plant taxonomic and growth form diversity. Molecular Ecology, 2012, 21, 3647-3655.	3.9	262
5	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. Molecular Ecology, 2012, 21, 1821-1833.	3.9	259
6	Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across <scp>N</scp>orthern <scp>E</scp>urope. Global Change Biology, 2013, 19, 1470-1481.	9.5	200
7	Induced Shift in Ecosystem Productivity? Extensive Scale Effects of Abundant Large Herbivores. Ecosystems, 2007, 10, 773-789.	3.4	162
8	Species distribution models reveal apparent competitive and facilitative effects of a dominant species on the distribution of tundra plants. Ecography, 2010, 33, 1004-1014.	4.5	148
9	Stay or go â€“ how topographic complexity influences alpine plant population and community responses to climate change. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 30, 41-50.	2.7	141
10	Structural characteristics of a low Arctic tundra ecosystem and the retreat of the Arctic fox. Biological Conservation, 2007, 135, 459-472.	4.1	85
11	More efficient estimation of plant biomass. Journal of Vegetation Science, 2004, 15, 653-660.	2.2	80
12	Can Reindeer Overabundance Cause a Trophic Cascade?. Ecosystems, 2007, 10, 607-622.	3.4	79
13	Reindeer reduce biomass of preferred plant species. Journal of Vegetation Science, 2001, 12, 473-480.	2.2	77
14	Rapid, landscape scale responses in riparian tundra vegetation to exclusion of small and large mammalian herbivores. Basic and Applied Ecology, 2011, 12, 643-653.	2.7	74
15	What are the impacts of reindeer/caribou (Rangifer tarandus L.) on arctic and alpine vegetation? A systematic review. Environmental Evidence, 2015, 4, .	2.7	70
16	Terrestrial trophic dynamics in the Canadian Arctic. Canadian Journal of Zoology, 2003, 81, 827-843.	1.0	66
17	Thermal niches are more conserved at cold than warm limits in arcticâ€alpine plant species. Global Ecology and Biogeography, 2013, 22, 933-941.	5.8	60
18	Complementary impacts of small rodents and semiâ€domesticated ungulates limit tall shrub expansion in the tundra. Journal of Applied Ecology, 2014, 51, 234-241.	4.0	58

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19	Arctic Small Rodents Have Diverse Diets and Flexible Food Selection. PLoS ONE, 2013, 8, e68128.	2.5	54
20	More than herbivory: levels of silicaâ€based defences in grasses vary with plant species, genotype and location. Oikos, 2013, 122, 30-41.	2.7	53
21	Effect of Muskox Carcasses on Nitrogen Concentration in Tundra Vegetation. Arctic, 2002, 55, .	0.4	53
22	Shedding new light on the diet of Norwegian lemmings: DNA metabarcoding of stomach content. Polar Biology, 2013, 36, 1069-1076.	1.2	50
23	Background invertebrate herbivory on dwarf birch (Betula glandulosa-nana complex) increases with temperature and precipitation across the tundra biome. Polar Biology, 2017, 40, 2265-2278.	1.2	47
24	Holocene floristic diversity and richness in northeast Norway revealed by sedimentary ancient <scp>DNA</scp> (seda<scp>DNA</scp>) and pollen. Boreas, 2019, 48, 299-316.	2.4	45
25	Rangifer management controls a climateâ€sensitive tundra state transition. Ecological Applications, 2017, 27, 2416-2427.	3.8	42
26	The Global Soil Mycobiome consortium dataset for boosting fungal diversity research. Fungal Diversity, 2021, 111, 573-588.	12.3	42
27	Disjunct populations of <scp>E</scp>uropean vascular plant species keep the same climatic niches. Global Ecology and Biogeography, 2015, 24, 1401-1412.	5.8	39
28	The Ghost of Development Past: the Impact of Economic Security Policies on Saami Pastoral Ecosystems. Ecology and Society, 2011, 16, .	2.3	35
29	A portfolio effect of shrub canopy height on species richness in both stressful and competitive environments. Functional Ecology, 2016, 30, 60-69.	3.6	33
30	Prevention of Marine Biofouling Using the Natural Allelopathic Compound Batatasin-III and Synthetic Analogues. Journal of Natural Products, 2017, 80, 2001-2011.	3.0	32
31	Endozoochory varies with ecological scale and context. Ecography, 2007, 30, 308-320.	4.5	31
32	Phenology and Cover of Plant Growth Forms Predict Herbivore Habitat Selection in a High Latitude Ecosystem. PLoS ONE, 2014, 9, e100780.	2.5	31
33	Predictors of plant phenology in a diverse highâ€latitude alpine landscape: growth forms and topography. Journal of Vegetation Science, 2009, 20, 903-915.	2.2	30
34	Additive Partitioning of Diversity Reveals No Scale-dependent Impacts of Large Ungulates on the Structure of Tundra Plant Communities. Ecosystems, 2010, 13, 157-170.	3.4	30
35	Sedimentary ancient DNA shows terrestrial plant richness continuously increased over the Holocene in northern Fennoscandia. Science Advances, 2021, 7, .	10.3	30
36	Gatekeepers to the effects of climate warming? Niche construction restricts plant community changes along a temperature gradient. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 30, 71-81.	2.7	29

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37	Stomping in silence: Conceptualizing trampling effects on soils in polar tundra. Functional Ecology, 2021, 35, 306-317.	3.6	26
38	The paradox of forbs in grasslands and the legacy of the mammoth steppe. Frontiers in Ecology and the Environment, 2021, 19, 584-592.	4.0	26
39	Mutual positive effects between shrubs in an arid ecosystem. Scientific Reports, 2015, 5, 14710.	3.3	25
40	Herbivore Effects on Ecosystem Process Rates in a Low-Productive System. Ecosystems, 2019, 22, 827-843.	3.4	25
41	Determination of plant silicon content with near infrared reflectance spectroscopy. Frontiers in Plant Science, 2014, 5, 496.	3.6	23
42	Niche construction by growth forms is as strong a predictor of species diversity as environmental gradients. Journal of Ecology, 2015, 103, 701-713.	4.0	23
43	Intraclonal variation in defence substances and palatability: a study onCarexand lemmings. Oikos, 2004, 105, 461-470.	2.7	21
44	Towards a global arctic-alpine model for Near-infrared reflectance spectroscopy (NIRS) predictions of foliar nitrogen, phosphorus and carbon content. Scientific Reports, 2019, 9, 8259.	3.3	21
45	Batatasinâ€‖ and the allelopathic capacity of Empetrum nigrum. Nordic Journal of Botany, 2015, 33, 225-231.	0.5	19
46	Future changes in the supply of goods and services from natural ecosystems: prospects for the European north. Ecology and Society, 2015, 20, .	2.3	19
47	Ecosystem disturbance reduces the allelopathic effects of Empetrum hermaphroditum humus on tundra plants. Journal of Vegetation Science, 2010, 21, no-no.	2.2	18
48	Interactions between winter and summer herbivory affect spatial and temporal plant nutrient dynamics in tundra grassland communities. Oikos, 2020, 129, 1229-1242.	2.7	17
49	Fungal endophyte diversity in tundra grasses increases by grazing. Fungal Ecology, 2015, 17, 41-51.	1.6	15
50	Tolerance of the arctic graminoid Luzula arcuata ssp. confusa to simulated grazing in two nitrogen environments. Canadian Journal of Botany, 2000, 78, 1108-1113.	1.1	15
51	Shrub patch configuration at the landscape scale is related to diversity of adjacent herbaceous vegetation. Plant Ecology and Diversity, 2013, 6, 257-268.	2.4	14
52	Transferability of biotic interactions: Temporal consistency of arctic plantâ€“rodent relationships is poor. Ecology and Evolution, 2018, 8, 9697-9711.	1.9	13
53	Infertile times: response to damage in genets of the clonal sedge CarexÂbigelowii. Plant Ecology, 2006, 187, 83-95.	1.6	12
54	Large-scale grazing history effects on Arctic-alpine germinable seed banks. Plant Ecology, 2010, 207, 321-331.	1.6	12

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55	One leaf for all: Chemical traits of single leaves measured at the leaf surface using nearâ€infrared reflectance spectroscopy. Methods in Ecology and Evolution, 2020, 11, 1061-1071.	5.2	12
56	Kit for detection of fungal endophytes of grasses yields inconsistent results. Methods in Ecology and Evolution, 2011, 2, 197-201.	5.2	11
57	What are the impacts of reindeer/caribou (Rangifer tarandus L.) on arctic and alpine vegetation? A systematic review protocol. Environmental Evidence, 2013, 2, .	2.7	11
58	Facilitation mediates species presence beyond their environmental optimum. Perspectives in Plant Ecology, Evolution and Systematics, 2019, 38, 24-30.	2.7	11
59	Tolerance of the arctic graminoid Luzula arcuata ssp. confusa to simulated grazing in two nitrogen environments. Canadian Journal of Botany, 2000, 78, 1108-1113.	1.1	9
60	High resistance to climatic variability in a dominant tundra shrub species. PeerJ, 2019, 7, e6967.	2.0	7
61	The domestic basis of the scientific career: gender inequalities in ecology in France and Norway. European Educational Research Journal, 2017, 16, 230-257.	2.1	6
62	Definition of sampling units begets conclusions in ecology: the case of habitats for plant communities. PeerJ, 2015, 3, e815.	2.0	6
63	Variable responses of carbon and nitrogen contents in vegetation and soil to herbivory and warming in highâ€Arctic tundra. Ecosphere, 2021, 12, e03746.	2.2	5
64	Forage quality in tundra grasslands under herbivory: Siliconâ€based defences, nutrients and their ratios in grasses. Journal of Ecology, 2022, 110, 129-143.	4.0	4
65	Niche construction mediates climate effects on recovery of tundra heathlands after extreme event. PLoS ONE, 2021, 16, e0245929.	2.5	3
66	Using nearâ€infrared reflectance spectroscopy (NIRS) to estimate carbon and nitrogen stable isotope composition in animal tissues. Ecology and Evolution, 2021, 11, 10483-10488.	1.9	3
67	Interfering with neighbouring communities: Allelopathy astray in the tundra delays seedling development. Functional Ecology, 2021, 35, 266-276.	3.6	2