Kari Klanderud

List of Publications by Year
in descending order

75 papers	5,998 citations	136950 32 h-index	76900 74 g-index
78 all docs	78 docs citations	78 times ranked	8560 citing authors

#	Article	IF	Citations
1	Ambient and experimental warming effects on an alpine bryophyte community. Arctic Science, 2022, 8, 831-842.	2.3	7
2	Community-level functional traits of alpine vascular plants, bryophytes, and lichens after long-term experimental warming. Arctic Science, 2022, 8, 843-857.	2.3	9
3	The tundra phenology database: more than two decades of tundra phenology responses to climate change. Arctic Science, 2022, 8, 1026-1039.	2.3	7
4	Alpine restoration: planting and seeding of native species facilitate vegetation recovery. Restoration Ecology, 2022, 30, e13479.	2.9	7
5	Divergent responses of functional diversity to an elevational gradient for vascular plants, bryophytes and lichens. Journal of Vegetation Science, 2022, 33, .	2.2	5
6	Legacy effects of herbivory on treeline dynamics along an elevational gradient. Oecologia, 2022, 198, 801-814.	2.0	3
7	Patterns of free amino acids in tundra soils reflect mycorrhizal type, shrubification, and warming. Mycorrhiza, 2022, 32, 305-313.	2.8	2
8	Land cover classification of treeline ecotones along a 1100 km latitudinal transect using spectralâ€•and threeâ€dimensional information from <scp>UAV</scp>â€based aerial imagery. Remote Sensing in Ecology and Conservation, 2022, 8, 536-550.	4.3	6
9	Do tradeâ€offs govern plant speciesâ€™ responses to different global change treatments?. Ecology, 2022, 103, e3626.	3.2	5
10	Contrasting responses of plant and lichen carbonâ€based secondary compounds across an elevational gradient. Functional Ecology, 2021, 35, 330-341.	3.6	9
11	Macroecological context predicts species' responses to climate warming. Global Change Biology, 2021, 27, 2088-2101.	9.5	16
12	Vital rates in early life history underlie shifts in biotic interactions along bioclimatic gradients: An experimental test of the Stress Gradient Hypothesis. Journal of Vegetation Science, 2021, 32, e13006.	2.2	12
13	Multiscale mapping of plant functional groups and plant traits in the High Arctic using field spectroscopy, UAV imagery and Sentinel-2A data. Environmental Research Letters, 2021, 16, 055006.	5.2	34
14	Experimental warming differentially affects vegetative and reproductive phenology of tundra plants. Nature Communications, 2021, 12, 3442.	12.8	56
15	Ontogenetic niche shifts in a locally endangered tree species (Olea europaea subsp. cuspidata) in a disturbed forest in Northern Ethiopia: Implications for conservation. PLoS ONE, 2021, 16, e0256843.	2.5	0
16	Functional traits, not productivity, predict alpine plant community openness to seedling recruitment under climatic warming. Oikos, 2020, 129, 13-23.	2.7	17
17	Biotic rescaling reveals importance of species interactions for variation in biodiversity responses to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22858-22865.	7.1	42
18	How forest structure varies with elevation in old growth and secondary forest in Costa Rica. Forest Ecology and Management, 2020, 469, 118191.	3.2	26

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19	Decomposability of lichens and bryophytes from across an elevational gradient under standardized conditions. Oikos, 2020, 129, 1358-1368.	2.7	6
20	Plant traits and vegetation data from climate warming experiments along an 1100â€‰m elevation gradient in Gongga Mountains, China. Scientific Data, 2020, 7, 189.	5.3	13
21	Quantifying the roles of seed dispersal, filtering, and climate on regional patterns of grassland biodiversity. Ecology, 2020, 101, e03061.	3.2	7
22	Legacy effects of experimental environmental change on soil microâ€arthropod communities. Ecosphere, 2020, 11, e03030.	2.2	7
23	Plant community responses to warming modified by soil moisture in the Tibetan Plateau. Arctic, Antarctic, and Alpine Research, 2020, 52, 60-69.	1.1	17
24	Mat-forming lichens affect microclimate and litter decomposition by different mechanisms. Fungal Ecology, 2020, 44, 100905.	1.6	18
25	The relative role of climate and herbivory in driving treeline dynamics along a latitudinal gradient. Journal of Vegetation Science, 2020, 31, 392-402.	2.2	10
26	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	7.1	141
27	Contrasting drivers of communityâ€level trait variation for vascular plants, lichens and bryophytes across an elevational gradient. Functional Ecology, 2019, 33, 2430-2446.	3.6	36
28	Disturbance and the elevation ranges of woody plant species in the mountains of Costa Rica. Ecology and Evolution, 2019, 9, 14330-14340.	1.9	7
29	Warming shortens flowering seasons of tundra plant communities. Nature Ecology and Evolution, 2019, 3, 45-52.	7.8	79
30	Accelerated increase in plant species richness on mountain summits is linked to warming. Nature, 2018, 556, 231-234.	27.8	580
31	Shift from facilitative to neutral interactions by the cushion plant <i>Silene acaulis</i> along a primary succession gradient. Journal of Vegetation Science, 2018, 29, 42-51.	2.2	22
32	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
33	Intraspecific Trait Variation and Phenotypic Plasticity Mediate Alpine Plant Species Response to Climate Change. Frontiers in Plant Science, 2018, 9, 1548.	3.6	131
34	Transplants, Open Top Chambers (OTCs) and Gradient Studies Ask Different Questions in Climate Change Effects Studies. Frontiers in Plant Science, 2018, 9, 1574.	3.6	22
35	Illegal Harvesting of Locally Endangered Olea europaea Subsp. cuspidata (Wall. ex G. Don) Cif. and Its Causes in Hugumburda Forest, Northern Ethiopia. Forests, 2018, 9, 498.	2.1	3
36	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	5.8	289

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37	Locally endangered tree species in a dry montane forest are enhanced by high woody species richness but affected by human disturbance. Journal of Arid Environments, 2018, 158, 19-27.	2.4	2
38	Greater temperature sensitivity of plant phenology at colder sites: implications for convergence across northern latitudes. Global Change Biology, 2017, 23, 2660-2671.	9.5	171
39	Biotic interaction effects on seedling recruitment along bioclimatic gradients: testing the stressâ€gradient hypothesis. Journal of Vegetation Science, 2017, 28, 347-356.	2.2	33
40	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	6.4	136
41	Restoration of peatland by spontaneous revegetation after road construction. Applied Vegetation Science, 2017, 20, 631-640.	1.9	9
42	From facilitation to competition: temperatureâ€driven shift in dominant plant interactions affects population dynamics in seminatural grasslands. Global Change Biology, 2016, 22, 1915-1926.	9.5	101
43	Can trait patterns along gradients predict plant community responses to climate change?. Ecology, 2016, 97, 2791-2801.	3.2	70
44	Distribution modelling of vegetation types in the borealâ€“alpine ecotone. Applied Vegetation Science, 2016, 19, 528-540.	1.9	13
45	Experimental warming increases herbivory by leafâ€chewing insects in an alpine plant community. Ecology and Evolution, 2016, 6, 6955-6962.	1.9	30
46	Forest certification as a policy option in conserving biodiversity: An empirical study of forest management in Tanzania. Forest Ecology and Management, 2016, 361, 1-12.	3.2	52
47	Seed banks are biodiversity reservoirs: speciesâ€“area relationships above versus below ground. Oikos, 2016, 125, 218-228.	2.7	87
48	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
49	Plant community responses to five years of simulated climate warming in an alpine fen of the Qinghaiâ€“Tibetan Plateau. Plant Ecology and Diversity, 2015, 8, 211-218.	2.4	25
50	Temperature, precipitation and biotic interactions as determinants of tree seedling recruitment across the tree line ecotone. Oecologia, 2015, 179, 599-608.	2.0	70
51	The Importance of Biotic vs. Abiotic Drivers of Local Plant Community Composition Along Regional Bioclimatic Gradients. PLoS ONE, 2015, 10, e0130205.	2.5	88
52	Relationships between the density of two potential restoration tree species and plant species abundance and richness in a degraded <scp>A</scp>fromontane forest of <scp>K</scp>enya. African Journal of Ecology, 2014, 52, 77-87.	0.9	5
53	Identifying the driving factors behind observed elevational range shifts on <scp>E</scp>uropean mountains. Global Ecology and Biogeography, 2014, 23, 876-884.	5.8	110
54	Exclusion of herbivores slows down recovery after experimental warming and nutrient addition in an alpine plant community. Journal of Ecology, 2014, 102, 1129-1137.	4.0	16

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55	Biotic interactions limit species richness in an alpine plant community, especially under experimental warming. Oikos, 2014, 123, 71-78.	2.7	49
56	Community invasibility and invasion by non-native Fraxinus pennsylvanica trees in a degraded tropical forest. Biological Invasions, 2014, 16, 2747-2755.	2.4	9
57	Long-term vegetation stability in northern Europe as assessed by changes in species co-occurrences. Plant Ecology and Diversity, 2013, 6, 289-302.	2.4	11
58	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
59	Plot-scale evidence of tundra vegetation change and links to recent summer warming. Nature Climate Change, 2012, 2, 453-457.	18.8	745
60	Recovery of Plant Species Richness and Composition in an Abandoned Forest Settlement Area in Kenya. Restoration Ecology, 2012, 20, 462-474.	2.9	14
61	Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. Ecology Letters, 2012, 15, 164-175.	6.4	764
62	Experimental warming had little effect on carbon-based secondary compounds, carbon and nitrogen in selected alpine plants and lichens. Environmental and Experimental Botany, 2011, 72, 368-376.	4.2	24
63	Responses in leaf functional traits and resource allocation of a dominant alpine sedge (Kobresia) Tj ETQq1 1 0.784314 rgBT /Overlock 349, 377-387.	3.7	41
64	Recovery of plant species richness and composition after slash-and-burn agriculture in a tropical rainforest in Madagascar. Biodiversity and Conservation, 2010, 19, 187-204.	2.6	72
65	Species recruitment in alpine plant communities: the role of species interactions and productivity. Journal of Ecology, 2010, 98, 1128-1133.	4.0	36
66	Effect of simulated environmental change on alpine soil arthropods. Global Change Biology, 2009, 15, 2972-2980.	9.5	71
67	Speciesâ€specific responses of an alpine plant community under simulated environmental change. Journal of Vegetation Science, 2008, 19, 363-372.	2.2	98
68	Simulated Environmental Change Has Contrasting Effects on Defensive Compound Concentration in Three Alpine Plant Species. Arctic, Antarctic, and Alpine Research, 2008, 40, 709-715.	1.1	15
69	Diversity-Stability Relationships of an Alpine Plant Community under Simulated Environmental Change. Arctic, Antarctic, and Alpine Research, 2008, 40, 679-684.	1.1	12
70	The relative role of dispersal and local interactions for alpine plant community diversity under simulated climate warming. Oikos, 2007, 116, 1279-1288.	2.7	60
71	Climate change effects on species interactions in an alpine plant community. Journal of Ecology, 2005, 93, 127-137.	4.0	155
72	The relative importance of neighbours and abiotic environmental conditions for population dynamic parameters of two alpine plant species. Journal of Ecology, 2005, 93, 493-501.	4.0	219

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73	SIMULATED CLIMATE CHANGE ALTERED DOMINANCE HIERARCHIES AND DIVERSITY OF AN ALPINE BIODIVERSITY HOTSPOT. Ecology, 2005, 86, 2047-2054.	3.2	215
74	Habitat dependent nurse effects of the dwarf-shrub<i>Dryas octopetala</i>on alpine and arctic plant community structure. Ecoscience, 2004, 11, 410-420.	1.4	24
75	Recent increases in species richness and shifts in altitudinal distributions of Norwegian mountain plants. Holocene, 2003, 13, 1-6.	1.7	310