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	Global assessment of experimental climate warming on tundra vegetation: heterogeneity over space and time. Ecology Letters, 2012, 15, 164-175.	6.4	764
2	Plot-scale evidence of tundra vegetation change and links to recent summer warming. Nature Climate Change, 2012, 2, 453-457.	18.8	745
3	Accelerated increase in plant species richness on mountain summits is linked to warming. Nature, 2018, 556, 231-234.	27.8	580
4	Recent increases in species richness and shifts in altitudinal distributions of Norwegian mountain plants. Holocene, 2003, 13, 1-6.	1.7	310
5	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	5.8	289
6	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
7	SIMULATED CLIMATE CHANGE ALTERED DOMINANCE HIERARCHIES AND DIVERSITY OF AN ALPINE BIODIVERSITY HOTSPOT. Ecology, 2005, 86, 2047-2054.	3.2	215
8	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
9	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
10	Climate change effects on species interactions in an alpine plant community. Journal of Ecology, 2005, 93, 127-137.	4.0	155
11	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
12	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
13	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	6.4	136
14	Intraspecific Trait Variation and Phenotypic Plasticity Mediate Alpine Plant Species Response to Climate Change. Frontiers in Plant Science, 2018, 9, 1548.	3.6	131
15	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
16	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
17	Speciesâ€specific responses of an alpine plant community under simulated environmental change. Journal of Vegetation Science, 2008, 19, 363-372.	2.2	98
18	The Importance of Biotic vs. Abiotic Drivers of Local Plant Community Composition Along Regional Bioclimatic Gradients. PLoS ONE, 2015, 10, e0130205.	2.5	88

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19	Seed banks are biodiversity reservoirs: speciesâ€“area relationships above versus below ground. Oikos, 2016, 125, 218-228.	2.7	87
20	Warming shortens flowering seasons of tundra plant communities. Nature Ecology and Evolution, 2019, 3, 45-52.	7.8	79
21	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
22	Effect of simulated environmental change on alpine soil arthropods. Global Change Biology, 2009, 15, 2972-2980.	9.5	71
23	Temperature, precipitation and biotic interactions as determinants of tree seedling recruitment across the tree line ecotone. Oecologia, 2015, 179, 599-608.	2.0	70
24	Can trait patterns along gradients predict plant community responses to climate change?. Ecology, 2016, 97, 2791-2801.	3.2	70
25	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
26	Experimental warming differentially affects vegetative and reproductive phenology of tundra plants. Nature Communications, 2021, 12, 3442.	12.8	56
27	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
28	Biotic interactions limit species richness in an alpine plant community, especially under experimental warming. Oikos, 2014, 123, 71-78.	2.7	49
29	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
30	Responses in leaf functional traits and resource allocation of a dominant alpine sedge (Kobresia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 349, 377-387.	3.7	41
31	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
32	Species recruitment in alpine plant communities: the role of species interactions and productivity. Journal of Ecology, 2010, 98, 1128-1133.	4.0	36
33	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
34	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
35	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
36	Experimental warming increases herbivory by leafâ€chewing insects in an alpine plant community. Ecology and Evolution, 2016, 6, 6955-6962.	1.9	30

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37	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
38	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
39	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
40	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
41	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
42	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
43	Mat-forming lichens affect microclimate and litter decomposition by different mechanisms. Fungal Ecology, 2020, 44, 100905.	1.6	18
44	Functional traits, not productivity, predict alpine plant community openness to seedling recruitment under climatic warming. Oikos, 2020, 129, 13-23.	2.7	17
45	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
46	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
47	Macroecological context predicts species' responses to climate warming. Global Change Biology, 2021, 27, 2088-2101.	9.5	16
48	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
49	Recovery of Plant Species Richness and Composition in an Abandoned Forest Settlement Area in Kenya. Restoration Ecology, 2012, 20, 462-474.	2.9	14
50	Distribution modelling of vegetation types in the borealâ€"alpine ecotone. Applied Vegetation Science, 2016, 19, 528-540.	1.9	13
51	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
52	Diversity-Stability Relationships of an Alpine Plant Community under Simulated Environmental Change. Arctic, Antarctic, and Alpine Research, 2008, 40, 679-684.	1.1	12
53	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
54	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

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55	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
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	Restoration of peatland by spontaneous revegetation after road construction. Applied Vegetation Science, 2017, 20, 631-640.	1.9	9
58	Contrasting responses of plant and lichen carbonâ€based secondary compounds across an elevational gradient. Functional Ecology, 2021, 35, 330-341.	3.6	9
59	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
60	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
61	Quantifying the roles of seed dispersal, filtering, and climate on regional patterns of grassland biodiversity. Ecology, 2020, 101, e03061.	3.2	7
62	Legacy effects of experimental environmental change on soil microâ€arthropod communities. Ecosphere, 2020, 11, e03030.	2.2	7
63	Ambient and experimental warming effects on an alpine bryophyte community. Arctic Science, 2022, 8, 831-842.	2.3	7
64	The tundra phenology database: more than two decades of tundra phenology responses to climate change. Arctic Science, 2022, 8, 1026-1039.	2.3	7
65	Alpine restoration: planting and seeding of native species facilitate vegetation recovery. Restoration Ecology, 2022, 30, e13479.	2.9	7
66	Decomposability of lichens and bryophytes from across an elevational gradient under standardized conditions. Oikos, 2020, 129, 1358-1368.	2.7	6
67	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
68	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
69	Divergent responses of functional diversity to an elevational gradient for vascular plants, bryophytes and lichens. Journal of Vegetation Science, 2022, 33, .	2.2	5
70	Do tradeâ€offs govern plant speciesâ€™ responses to different global change treatments?. Ecology, 2022, 103, e3626.	3.2	5
71	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
72	Legacy effects of herbivory on treeline dynamics along an elevational gradient. Oecologia, 2022, 198, 801-814.	2.0	3

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73	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
74	Patterns of free amino acids in tundra soils reflect mycorrhizal type, shrubification, and warming. Mycorrhiza, 2022, 32, 305-313.	2.8	2
75	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