Bente Jessen Graae

List of Publications by Year
in descending order

86 papers	5,835 citations	94433 37 h-index	79698 73 g-index
87 all docs	87 docs citations	87 times ranked	8868 citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Microclimate moderates plant responses to macroclimate warming. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18561-18565.	7.1	523
3	Latitudinal gradients as natural laboratories to infer species' responses to temperature. Journal of Ecology, 2013, 101, 784-795.	4.0	315
4	Homogenization of forest plant communities and weakening of species?environment relationships via agricultural land use. Journal of Ecology, 2007, 95, 565-573.	4.0	300
5	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
6	Putting plant resistance traits on the map: a test of the idea that plants are better defended at lower latitudes. New Phytologist, 2011, 191, 777-788.	7.3	155
7	Effects of a warmer climate on seed germination in the subarctic. Annals of Botany, 2009, 104, 287-296.	2.9	145
8	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
9	On the use of weather data in ecological studies along altitudinal and latitudinal gradients. Oikos, 2012, 121, 3-19.	2.7	135
10	Correlations between physical and chemical defences in plants: tradeoffs, syndromes, or just many different ways to skin a herbivorous cat?. New Phytologist, 2013, 198, 252-263.	7.3	124
11	SoilTemp: A global database of nearâ€surface temperature. Global Change Biology, 2020, 26, 6616-6629.	9.5	122
12	Linking small-scale topography with microclimate, plant species diversity and intra-specific trait variation in an alpine landscape. Plant Ecology and Diversity, 2015, 8, 305-315.	2.4	115
13	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	9.5	113
14	Temperature effects on forest herbs assessed by warming and transplant experiments along a latitudinal gradient. Global Change Biology, 2011, 17, 3240-3253.	9.5	112
15	COMMUNITY ASSEMBLY IN EXPERIMENTAL GRASSLANDS: SUITABLE ENVIRONMENT OR TIMELY ARRIVAL?. Ecology, 2006, 87, 1225-1233.	3.2	110
16	Strong microsite control of seedling recruitment in tundra. Oecologia, 2011, 166, 565-576.	2.0	99
17	How do bryophytes govern generative recruitment of vascular plants?. New Phytologist, 2011, 190, 1019-1031.	7.3	96
18	A hierarchical framework for integrating invasibility experiments incorporating different factors and spatial scales. Biological Invasions, 2009, 11, 941-950.	2.4	90

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19	A comparison of understorey vegetation between untouched and managed deciduous forest in Denmark. Forest Ecology and Management, 1997, 96, 111-123.	3.2	85
20	The role of epizoochorous seed dispersal of forest plant species in a fragmented landscape. Seed Science Research, 2002, 12, 113-121.	1.7	84
21	Critical periods for impact of climate warming on early seedling establishment in subarctic tundra. Global Change Biology, 2009, 15, 2662-2680.	9.5	75
22	Impact of climate change on alpine vegetation of mountain summits in Norway. Ecological Research, 2017, 32, 579-593.	1.5	71
23	Interactive effects of vegetation type and elevation on aboveground and belowground properties in a subarctic tundra. Oikos, 2011, 120, 128-142.	2.7	68
24	Predictability in community dynamics. Ecology Letters, 2017, 20, 293-306.	6.4	68
25	Plant community type and smallâ€scale disturbances, but not altitude, influence the invasibility in subarctic ecosystems. New Phytologist, 2013, 197, 1002-1011.	7.3	62
26	Low genetic diversity despite multiple introductions of the invasive plant species Impatiens glandulifera in Europe. BMC Genetics, 2015, 16, 103.	2.7	62
27	The use of openâ€top chambers in forests for evaluating warming effects on herbaceous understorey plants. Ecological Research, 2010, 25, 163-171.	1.5	61
28	Microenvironment and functionalâ€trait context dependence predict alpine plant community dynamics. Journal of Ecology, 2018, 106, 1323-1337.	4.0	60
29	Interregional variation in the floristic recovery of postâ€agricultural forests. Journal of Ecology, 2011, 99, 600-609.	4.0	50
30	Phosphorus availability and microbial respiration across different tundra vegetation types. Biogeochemistry, 2012, 108, 429-445.	3.5	48
31	Late Quaternary climate legacies in contemporary plant functional composition. Global Change Biology, 2018, 24, 4827-4840.	9.5	48
32	Draining the Pool? Carbon Storage and Fluxes in Three Alpine Plant Communities. Ecosystems, 2018, 21, 316-330.	3.4	43
33	Plant diversity in hedgerows and road verges across Europe. Journal of Applied Ecology, 2020, 57, 1244-1257.	4.0	42
34	An intraspecific application of the leaf-height-seed ecology strategy scheme to forest herbs along a latitudinal gradient. Ecography, 2011, 34, 132-140.	4.5	41
35	The response of forest plant regeneration to temperature variation along a latitudinal gradient. Annals of Botany, 2012, 109, 1037-1046.	2.9	41
36	Edge influence on understorey plant communities depends on forest management. Journal of Vegetation Science, 2020, 31, 281-292.	2.2	40

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37	An Experimental Evaluation of the Arctic Fox (Alopex lagopus) as a Seed Disperser. Arctic, Antarctic, and Alpine Research, 2004, 36, 468-473.	1.1	39
38	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
39	Directional turnover towards largerâ€ranged plants over time and across habitats. Ecology Letters, 2022, 25, 466-482.	6.4	39
40	Biotic and abiotic drivers of intraspecific trait variation within plant populations of three herbaceous plant species along a latitudinal gradient. BMC Ecology, 2017, 17, 38.	3.0	38
41	Structural variation of forest edges across Europe. Forest Ecology and Management, 2020, 462, 117929.	3.2	35
42	Germination requirements and seed mass of slow- and fast- colonizing temperate forest herbs along a latitudinal gradient. Ecoscience, 2009, 16, 248-257.	1.4	33
43	Forest herbs in the face of global change: a single-species-multiple-threats approach for Anemone nemorosa. Plant Ecology and Evolution, 2010, 143, 19-30.	0.7	31
44	Plant movements and climate warming: intraspecific variation in growth responses to nonlocal soils. New Phytologist, 2014, 202, 431-441.	7.3	29
45	The effect of an early-season short-term heat pulse on plant recruitment in the Arctic. Polar Biology, 2009, 32, 1117-1126.	1.2	28
46	Spatio-Temporal Changes in Wildlife Habitat Quality in the Greater Serengeti Ecosystem. Sustainability, 2020, 12, 2440.	3.2	28
47	Contrasting microclimates among hedgerows and woodlands across temperate Europe. Agricultural and Forest Meteorology, 2020, 281, 107818.	4.8	27
48	Impact of an invasive alien plant on litter decomposition along a latitudinal gradient. Ecosphere, 2018, 9, e02097.	2.2	26
49	Drivers of carbon stocks in forest edges across Europe. Science of the Total Environment, 2021, 759, 143497.	8.0	25
50	Climatic control of forest herb seed banks along a latitudinal gradient. Global Ecology and Biogeography, 2013, 22, 1106-1117.	5.8	24
51	The impact of forest continuity and management on forest floor vegetation evaluated by species traits. Ecography, 2000, 23, 720-731.	4.5	24
52	Decoupled phenotypic variation between floral and vegetative traits: distinguishing between developmental and environmental correlations. Annals of Botany, 2013, 111, 935-944.	2.9	23
53	The European Forest Plant Species List (EuForPlant): Concept and applications. Journal of Vegetation Science, 2022, 33, .	2.2	23
54	Where does the community start, and where does it end? Including the seed bank to reassess forest herb layer responses to the environment. Journal of Vegetation Science, 2017, 28, 424-435.	2.2	21

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55	Snow cover consistently affects growth and reproduction of Empetrum hermaphroditum across latitudinal and local climatic gradients. Alpine Botany, 2014, 124, 115-129.	2.4	18
56	Rodent population dynamics affect seedling recruitment in alpine habitats. Journal of Vegetation Science, 2014, 25, 1004-1014.	2.2	18
57	Pre-adaptation or genetic shift after introduction in the invasive species Impatiens glandulifera?. Acta Oecologica, 2016, 70, 60-66.	1.1	18
58	Remote sensing of ploidy level in quaking aspen (<i>Populus tremuloides</i> Michx.). Journal of Ecology, 2020, 108, 175-188.	4.0	18
59	Predicted changes in vegetation structure affect the susceptibility to invasion of bryophyte-dominated subarctic heath. Annals of Botany, 2011, 108, 177-183.	2.9	17
60	Lichens facilitate seedling recruitment in alpine heath. Journal of Vegetation Science, 2019, 30, 868-880.	2.2	17
61	Interâ€•and intraspecific trait variation shape multidimensional trait overlap between two plant invaders and the invaded communities. Oikos, 2020, 129, 677-688.	2.7	17
62	Lichens buffer tundra microclimate more than the expanding shrub <i>Betula nana</i>. Annals of Botany, 2021, 128, 407-418.	2.9	16
63	Small scale environmental variation modulates plant defence syndromes of understorey plants in deciduous forests of Europe. Global Ecology and Biogeography, 2021, 30, 205-219.	5.8	15
64	Synchronous flowering despite differences in snowmelt timing among habitats of Empetrum hermaphroditum. Acta Oecologica, 2015, 69, 129-136.	1.1	13
65	Ontogenetic niche shifts in three<i>Vaccinium</i>species on a sub-alpine mountain side. Plant Ecology and Diversity, 2010, 3, 131-139.	2.4	12
66	No genetic erosion after five generations for Impatiens glandulifera populations across the invaded range in Europe. BMC Genetics, 2019, 20, 20.	2.7	12
67	The burning question: does fire affect habitat selection and forage preference of the black rhinoceros <i>Diceros bicornis</i> in East African savannahs?. Oryx, 2020, 54, 234-243.	1.0	12
68	Litter type and termites regulate root decomposition across contrasting savanna landâ€uses. Oikos, 2019, 128, 596-607.	2.7	10
69	Reviewing the potential for including habitat fragmentation to improve life cycle impact assessments for land use impacts on biodiversity. International Journal of Life Cycle Assessment, 2019, 24, 2206-2219.	4.7	9
70	Drivers of C cycling in three arctic-alpine plant communities. Arctic, Antarctic, and Alpine Research, 2019, 51, 128-147.	1.1	9
71	Functional group contributions to carbon fluxes in arctic-alpine ecosystems. Arctic, Antarctic, and Alpine Research, 2019, 51, 58-68.	1.1	9
72	Savannah trees buffer herbaceous plant biomass against wild and domestic herbivores. Applied Vegetation Science, 2020, 23, 185-196.	1.9	8

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73	Hedging against biodiversity loss: Forest herbsâ€™ performance in hedgerows across temperate Europe. Journal of Vegetation Science, 2020, 31, 817-829.	2.2	8
74	Biological flora of Central Europe: Impatiens glandulifera Royle. Perspectives in Plant Ecology, Evolution and Systematics, 2021, 50, 125609.	2.7	8
75	Biological Flora of the British Isles: <i>Milium effusum</i>. Journal of Ecology, 2017, 105, 839-858.	4.0	7
76	Impacts of an invasive plant on primary production: Testing a functional traitâ€based framework with a greenhouse experiment. Journal of Vegetation Science, 2018, 29, 157-166.	2.2	7
77	Experimental herbivore exclusion, shrub introduction, and carbon sequestration in alpine plant communities. BMC Ecology, 2018, 18, 29.	3.0	7
78	Moose effects on soil temperatures, tree canopies, and understory vegetation: a path analysis. Ecosphere, 2019, 10, e02966.	2.2	7
79	Earlier onset of flowering and increased reproductive allocation of an annual invasive plant in the north of its novel range. Annals of Botany, 2020, 126, 1005-1016.	2.9	7
80	Soil seed bank responses to edge effects in temperate European forests. Global Ecology and Biogeography, 2022, 31, 1877-1893.	5.8	5
81	Latitudinal variation of life-history traits of an exotic and a native impatiens species in Europe. Acta Oecologica, 2017, 81, 40-47.	1.1	3
82	Teatime in the Serengeti: macrodetritivores sustain recalcitrant plant litter decomposition across human-modified tropical savannahs. Plant and Soil, 2020, 456, 241-258.	3.7	3
83	Functional trait variation of <i>Anemone nemorosa</i> along macroâ€•and microclimatic gradients close to the northern range edge. Nordic Journal of Botany, 2022, 2022, .	0.5	3
84	Determinants of tree seedling establishment in alpine tundra. Journal of Vegetation Science, 2021, 32, e12948.	2.2	2
85	Herbivores reduce seedling recruitment in alpine plant communities. Nordic Journal of Botany, 2021, 39, .	0.5	2
86	Effects of climate change on regeneration of plants from seeds in boreal, subarctic, and subalpine regions. , 2022, , 19-32.		2