

Årjan Totland

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

7,417
citations

87888

38
h-index

56724

83
g-index

98
all docs

98
docs citations

98
times ranked

9198
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental warming differentially affects vegetative and reproductive phenology of tundra plants. <i>Nature Communications</i> , 2021, 12, 3442.	12.8	56
2	Ontogenetic niche shifts in a locally endangered tree species (<i>Olea europaea</i> subsp. <i>cuspidata</i>) in a disturbed forest in Northern Ethiopia: Implications for conservation. <i>PLoS ONE</i> , 2021, 16, e0256843.	2.5	0
3	Forest fragmentation modifies the composition of bumblebee communities and modulates their trophic and competitive interactions for pollination. <i>Scientific Reports</i> , 2020, 10, 10872.	3.3	17
4	Disentangling direct and indirect effects of habitat fragmentation on wild plants' pollinator visits and seed production. <i>Ecological Applications</i> , 2020, 30, e02099.	3.8	26
5	Inadequate pollination services limit watermelon yields in northern Tanzania. <i>Basic and Applied Ecology</i> , 2020, 44, 35-45.	2.7	10
6	Enhancing pollination is more effective than increased conventional agriculture inputs for improving watermelon yields. <i>Ecology and Evolution</i> , 2020, 10, 5343-5353.	1.9	13
7	Warming shortens flowering seasons of tundra plant communities. <i>Nature Ecology and Evolution</i> , 2019, 3, 45-52.	7.8	79
8	Community level niche overlap and broad scale biogeographic patterns of bee communities are driven by phylogenetic history. <i>Journal of Biogeography</i> , 2018, 45, 461-472.	3.0	7
9	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	5.8	289
10	Locally endangered tree species in a dry montane forest are enhanced by high woody species richness but affected by human disturbance. <i>Journal of Arid Environments</i> , 2018, 158, 19-27.	2.4	2
11	Disentangling the contributions of dispersal limitation, ecological drift, and ecological filtering to wild bee community assembly. <i>Ecosphere</i> , 2017, 8, e01650.	2.2	14
12	Experimental simulation of pollinator decline causes community-wide reductions in seedling diversity and abundance. <i>Ecology</i> , 2016, 97, 1420-1430.	3.2	24
13	The effects of habitat management on the species, phylogenetic and functional diversity of bees are modified by the environmental context. <i>Ecology and Evolution</i> , 2016, 6, 961-973.	1.9	20
14	The relative importance of vertical soil nutrient heterogeneity, and mean and depth-specific soil nutrient availabilities for tree species richness in tropical forests and woodlands. <i>Oecologia</i> , 2016, 182, 877-888.	2.0	9
15	Performance of two alpine plant species along environmental gradients in an alpine meadow ecosystem in central Tibet. <i>Ecological Research</i> , 2016, 31, 417-426.	1.5	8
16	Does the abundance of dominant trees affect diversity of a widespread tropical woodland ecosystem in Tanzania?. <i>Journal of Tropical Ecology</i> , 2015, 31, 345-359.	1.1	15
17	Relationships between tree species richness, evenness and aboveground carbon storage in montane forests and miombo woodlands of Tanzania. <i>Basic and Applied Ecology</i> , 2015, 16, 239-249.	2.7	37
18	Pollen limitation, species' floral traits and pollinator visitation: different relationships in contrasting communities. <i>Oikos</i> , 2015, 124, 174-186.	2.7	64

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19	Effects of experimentally simulated pollinator decline on recruitment in two European herbs. <i>Journal of Ecology</i> , 2015, 103, 328-337.	4.0	16
20	Spatial variation in plant species richness and diversity along human disturbance and environmental gradients in a tropical wetland. <i>Wetlands Ecology and Management</i> , 2015, 23, 395-404.	1.5	9
21	Edge effects on plant communities along power line clearings. <i>Journal of Applied Ecology</i> , 2015, 52, 871-880.	4.0	52
22	Spatial distribution of temporal dynamics in anthropogenic fires in miombo savanna woodlands of Tanzania. <i>Carbon Balance and Management</i> , 2015, 10, 18.	3.2	27
23	Does multi-level environmental filtering determine the functional and phylogenetic composition of wild bee species assemblages?. <i>Ecography</i> , 2015, 38, 140-153.	4.5	32
24	Intense use of woody plants in a semiarid environment of Northern Ethiopia: Effects on species composition, richness and diversity. <i>Journal of Arid Environments</i> , 2015, 114, 14-21.	2.4	11
25	Interactions between Canopy Structure and Herbaceous Biomass along Environmental Gradients in Moist Forest and Dry Miombo Woodland of Tanzania. <i>PLoS ONE</i> , 2015, 10, e0142784.	2.5	19
26	Invasion of the cosmopolitan species <i>Echinochloa colona</i> into herbaceous vegetation of a tropical wetland system. <i>Ecological Research</i> , 2014, 29, 969-979.	1.5	3
27	Experimental reduction of pollinator visitation modifies plant-plant interactions for pollination. <i>Oikos</i> , 2014, 123, 1037-1048.	2.7	29
28	Relationships between the density of two potential restoration tree species and plant species abundance and richness in a degraded <i>Acacia</i> fromontane forest of <i>Kenya</i> . <i>African Journal of Ecology</i> , 2014, 52, 77-87.	0.9	5
29	Structural properties of mutualistic networks withstand habitat degradation while species functional roles might change. <i>Oikos</i> , 2014, 123, 323-333.	2.7	40
30	Heating effect by perianth retention on developing achenes and implications for seed production in the alpine herb <i>Ranunculus glacialis</i> . <i>Alpine Botany</i> , 2014, 124, 37-47.	2.4	11
31	Community invasibility and invasion by non-native <i>Fraxinus pennsylvanica</i> trees in a degraded tropical forest. <i>Biological Invasions</i> , 2014, 16, 2747-2755.	2.4	9
32	Plant Species Richness, Evenness, and Composition along Environmental Gradients in an Alpine Meadow Grazing Ecosystem in Central Tibet, China. <i>Arctic, Antarctic, and Alpine Research</i> , 2014, 46, 308-326.	1.1	61
33	Spatio-temporal variation in species assemblages in field edges: seasonally distinct responses of solitary bees to local habitat characteristics and landscape conditions. <i>Biodiversity and Conservation</i> , 2014, 23, 2393-2414.	2.6	10
34	Woody plant assemblages in isolated forest patches in a semiarid agricultural matrix. <i>Biodiversity and Conservation</i> , 2013, 22, 2519-2535.	2.6	15
35	Influence of Two N-Fixing Legumes on Plant Community Properties and Soil Nutrient Levels in an Alpine Ecosystem. <i>Arctic, Antarctic, and Alpine Research</i> , 2013, 45, 363-371.	1.1	8
36	Plant functional traits mediate reproductive phenology and success in response to experimental warming and snow addition in Tibet. <i>Global Change Biology</i> , 2013, 19, 459-472.	9.5	197

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37	How do pollinator visitation rate and seed set relate to speciesâ€™ floral traits and community context?. <i>Oecologia</i> , 2013, 173, 881-893.	2.0	50
38	Ecosystem responses to woody plant encroachment in a semiarid savanna rangeland. <i>Plant Ecology</i> , 2013, 214, 1211-1222.	1.6	21
39	Are Droppings, Distance From Pastoralist Camps, and Pika Burrows Good Proxies for Local Grazing Pressure?. <i>Rangeland Ecology and Management</i> , 2013, 66, 26-33.	2.3	21
40	Species composition and functional structure of herbaceous vegetation in a tropical wetland system. <i>Biodiversity and Conservation</i> , 2012, 21, 2865-2885.	2.6	20
41	Interactions for pollinator visitation and their consequences for reproduction in a plant community. <i>Acta Oecologica</i> , 2012, 43, 95-103.	1.1	22
42	Recovery of Plant Species Richness and Composition in an Abandoned Forest Settlement Area in Kenya. <i>Restoration Ecology</i> , 2012, 20, 462-474.	2.9	14
43	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
44	Do disturbance and productivity influence evenness of seedling, sapling and adult tree species across a semiâ€deciduous tropical forest landscape?. <i>Oikos</i> , 2011, 120, 623-629.	2.7	7
45	Bamboo dominance reduces tree regeneration in a disturbed tropical forest. <i>Oecologia</i> , 2011, 165, 161-168.	2.0	97
46	Relationships between densities of previous and simultaneous foragers and the foraging behaviour of three bumblebee species. <i>Ecological Entomology</i> , 2011, 36, 221-230.	2.2	7
47	Recovery of plant species richness and composition after slash-and-burn agriculture in a tropical rainforest in Madagascar. <i>Biodiversity and Conservation</i> , 2010, 19, 187-204.	2.6	72
48	Factors related to the inter-annual variation in plants' pollination generalization levels within a community. <i>Oikos</i> , 2010, 119, 825-834.	2.7	40
49	Population dependence in the interactions with neighbors for pollination: A field experiment with <i>Taraxacum officinale</i> . <i>American Journal of Botany</i> , 2010, 97, 760-769.	1.7	26
50	Local floral composition and the behaviour of pollinators: attraction to and foraging within experimental patches. <i>Ecological Entomology</i> , 2010, 35, 652-661.	2.2	41
51	Relationships between the floral neighborhood and individual pollen limitation in two self-incompatible herbs. <i>Oecologia</i> , 2009, 160, 707-719.	2.0	50
52	The effects of environmental variables and human disturbance on woody species richness and diversity in a bambooâ€deciduous forest in northeastern Thailand. <i>Ecological Research</i> , 2009, 24, 147-156.	1.5	19
53	The relative importance of positive and negative interactions for pollinator attraction in a plant community. <i>Ecological Research</i> , 2009, 24, 929-936.	1.5	52
54	Coâ€flowering neighbors influence the diversity and identity of pollinator groups visiting plant species. <i>Oikos</i> , 2009, 118, 691-702.	2.7	101

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55	How does climate warming affect plant–pollinator interactions?. <i>Ecology Letters</i> , 2009, 12, 184-195.	6.4	838
56	Pollen Limitation in the Alpine: A Meta-Analysis. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 103-111.	1.1	102
57	Pollen Limitation in the Alpine: A Meta-Analysis. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 103-111.	1.1	1
58	The relationships between floral traits and specificity of pollination systems in three Scandinavian plant communities. <i>Oecologia</i> , 2008, 157, 249-257.	2.0	109
59	Is the magnitude of pollen limitation in a plant community affected by pollinator visitation and plant species specialisation levels?. <i>Oikos</i> , 2008, 117, 883-891.	2.7	65
60	Simulated Environmental Change Has Contrasting Effects on Defensive Compound Concentration in Three Alpine Plant Species. <i>Arctic, Antarctic, and Alpine Research</i> , 2008, 40, 709-715.	1.1	15
61	Diversity-Stability Relationships of an Alpine Plant Community under Simulated Environmental Change. <i>Arctic, Antarctic, and Alpine Research</i> , 2008, 40, 679-684.	1.1	12
62	Is the magnitude of pollen limitation in a plant community affected by pollinator visitation and plant species specialisation levels?. <i>Oikos</i> , 2008, .	2.7	7
63	Within-population spatial variation in pollinator visitation rates, pollen limitation on seed set, and flower longevity in an alpine species. <i>Acta Oecologica</i> , 2007, 32, 262-268.	1.1	35
64	Do alien plant invasions really affect pollination success in native plant species?. <i>Biological Conservation</i> , 2007, 138, 1-12.	4.1	219
65	Pollen limitation affects progeny vigour and subsequent recruitment in the insect–pollinated herb <i>Ranunculus acris</i> . <i>Oikos</i> , 2007, 116, 1204-1210.	2.7	21
66	The relative role of dispersal and local interactions for alpine plant community diversity under simulated climate warming. <i>Oikos</i> , 2007, 116, 1279-1288.	2.7	60
67	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , 2007, 10, 619-627.	6.4	379
68	The effect of forest management operations on population performance of <i>Vaccinium myrtillus</i> on a landscape-scale. <i>Basic and Applied Ecology</i> , 2007, 8, 231-241.	2.7	42
69	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
70	Pollinator visitation, pollen limitation, and selection on flower size through female function in contrasting habitats within a population of <i>Campanula persicifolia</i> . <i>Canadian Journal of Botany</i> , 2006, 84, 412-420.	1.1	17
71	Effects of an exotic plant and habitat disturbance on pollinator visitation and reproduction in a boreal forest herb. <i>American Journal of Botany</i> , 2006, 93, 868-873.	1.7	73
72	The relative importance of neighbours and abiotic environmental conditions for population dynamic parameters of two alpine plant species. <i>Journal of Ecology</i> , 2005, 93, 493-501.	4.0	219

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73	Relationships between speciesâ€™ floral traits and pollinator visitation in a temperate grassland. <i>Oecologia</i> , 2005, 145, 586-594.	2.0	154
74	SIMULATED CLIMATE CHANGE ALTERED DOMINANCE HIERARCHIES AND DIVERSITY OF AN ALPINE BIODIVERSITY HOTSPOT. <i>Ecology</i> , 2005, 86, 2047-2054.	3.2	215
75	Does forest gap size affects population size, plant size, reproductive success and pollinator visitation in <i>Lantana camara</i> , a tropical invasive shrub?. <i>Forest Ecology and Management</i> , 2005, 215, 329-338.	3.2	52
76	Willow Canopies and Plant Community Structure along an Alpine Environmental Gradient. <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 428-435.	1.1	12
77	No evidence for a role of pollinator discrimination in causing selection on flower size through female reproduction. <i>Oikos</i> , 2004, 106, 558-564.	2.7	31
78	Habitat dependent nurse effects of the dwarf-shrub <i>Dryas octopetala</i> on alpine and arctic plant community structure. <i>Ecoscience</i> , 2004, 11, 410-420.	1.4	24
79	Willow Canopies and Plant Community Structure along an Alpine Environmental Gradient. <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 428.	1.1	1
80	Quantitative importance of staminodes for female reproductive success in <i>Parnassia palustris</i> under contrasting environmental conditions. <i>Canadian Journal of Botany</i> , 2003, 81, 49-56.	1.1	23
81	Breeding System, Insect Flower Visitation, and Floral Traits of Two Alpine <i>Cerastium</i> Species in Norway. <i>Arctic, Antarctic, and Alpine Research</i> , 2003, 35, 242-247.	1.1	35
82	Effects of temperature and date of snowmelt on growth, reproduction, and flowering phenology in the arctic/alpine herb, <i>Ranunculus glacialis</i> . <i>Oecologia</i> , 2002, 133, 168-175.	2.0	104
83	Effects of willow canopies on plant species performance in a low-alpine community. <i>Plant Ecology</i> , 2002, 161, 157-166.	1.6	27
84	ENVIRONMENT-DEPENDENT POLLEN LIMITATION AND SELECTION ON FLORAL TRAITS IN AN ALPINE SPECIES. <i>Ecology</i> , 2001, 82, 2233-2244.	3.2	187
85	Pollen limitation of reproductive success in two sympatric alpine willows (<i>Salicaceae</i>) with contrasting pollination strategies. <i>American Journal of Botany</i> , 2001, 88, 1011-1015.	1.7	71
86	Short-term effects of simulated environmental changes on phenology, reproduction, and growth in the late-flowering snowbed herb <i>Saxifraga stellaris</i> L.. <i>Ecoscience</i> , 2000, 7, 201-213.	1.4	42
87	Breeding System and Effects of Plant Size and Flowering Time on Reproductive Success in the Alpine Herb <i>Saxifraga stellaris</i> L.. <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 196-201.	1.1	13
88	Effects of Temperature and Natural Disturbance on Growth, Reproduction, and Population Density in the Alpine Annual Hemiparasite <i>Euphrasia frigida</i> . <i>Arctic, Antarctic, and Alpine Research</i> , 1999, 31, 259-263.	1.1	21
89	Effects of temperature on performance and phenotypic selection on plant traits in alpine <i>Ranunculus acris</i> . <i>Oecologia</i> , 1999, 120, 242-251.	2.0	81
90	Environmentally-dependent pollen limitation on seed production in alpine <i>Ranunculus acris</i> . <i>Ecoscience</i> , 1999, 6, 173-179.	1.4	41

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91	Wind to insect pollination ratios and floral traits in five alpine <i>Salix</i> species. Canadian Journal of Botany, 1999, 77, 556-563.	1.1	38
92	Effects of Temperature and Natural Disturbance on Growth, Reproduction, and Population Density in the Alpine Annual Hemiparasite <i>Euphrasia frigida</i> . Arctic, Antarctic, and Alpine Research, 1999, 31, 259.	1.1	12
93	Breeding System and Effects of Plant Size and Flowering Time on Reproductive Success in the Alpine Herb <i>Saxifraga stellaris</i> L.. Arctic, Antarctic, and Alpine Research, 1999, 31, 196.	1.1	8
94	Determinants of pollinator activity and flower preference in the early spring blooming <i>Crocus vernus</i> . Acta Oecologica, 1998, 19, 155-165.	1.1	43
95	Variation in Pollen Limitation among Plants and Phenotypic Selection on Floral Traits in an Early-Spring Flowering Herb. Oikos, 1998, 82, 491.	2.7	37
96	Limitations on reproduction in alpine <i>Ranunculus acris</i> . Canadian Journal of Botany, 1997, 75, 137-144.	1.1	48
97	Pollination in alpine Norway: flowering phenology, insect visitors, and visitation rates in two plant communities. Canadian Journal of Botany, 1993, 71, 1072-1079.	1.1	134
98	Experimental pollinator decline affects plant reproduction and is mediated by plant mating system. Journal of Pollination Ecology, 0, 11, 46-56.	0.5	21