Olav Skarpaas

List of Publications by Year in descending order

52 papers	1,980 citations	218677 26 h-index	265206 42 g-index
54 all docs	54 docs citations	54 times ranked	2652 citing authors

#	Article	IF	Citations
1	Measuring plant dispersal: an introduction to field methods and experimental design. Plant Ecology, 2006, 186, 217-234.	1.6	165
2	Dispersal, demography and spatial population models for conservation and control management. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 9, 153-170.	2.7	139
3	Population dynamics in changing environments: the case of an eruptive forest pest species. Biological Reviews, 2012, 87, 34-51.	10.4	127
4	Dispersal Patterns, Dispersal Mechanisms, and Invasion Wave Speeds for Invasive Thistles. American Naturalist, 2007, 170, 421-430.	2.1	126
5	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
6	Dispersal and demography contributions to population spread of Carduus nutans in its native and invaded ranges. Journal of Ecology, 2008, 96, 687-697.	4.0	77
7	Optimizing dispersal study design by Monte Carlo simulation. Journal of Applied Ecology, 2005, 42, 731-739.	4.0	67
8	Importance of individual and environmental variation for invasive species spread: a spatial integral projection model. Ecology, 2011, 92, 86-97.	3.2	67
9	Optimal management strategies to control local population growth or population spread may not be the same. Ecological Applications, 2010, 20, 1148-1161.	3.8	63
10	Hollow oaks and beetle conservation: the significance of the surroundings. Biodiversity and Conservation, 2010, 19, 837-852.	2.6	59
11	Environmental variability and the initiation of dispersal: turbulence strongly increases seed release. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 751-756.	2.6	56
12	How far can a hawk's beard fly? Measuring and modelling the dispersal of Crepis praemorsa. Journal of Ecology, 2004, 92, 747-757.	4.0	48
13	Modeling alpine plant distributions at the landscape scale: Do biotic interactions matter?. Ecological Modelling, 2012, 231, 1-10.	2.5	47
14	Are the best dispersers the best colonizers? Seed mass, dispersal and establishment in Carduus thistles. Evolutionary Ecology, 2011, 25, 155-169.	1.2	46
15	Seed release by invasive thistles: the impact of plant and environmental factors. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2457-2464.	2.6	44
16	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
17	Towards a systematics of ecodiversity: The EcoSyst framework. Global Ecology and Biogeography, 2020, 29, 1887-1906.	5.8	42
18	The Nature Index: A General Framework for Synthesizing Knowledge on the State of Biodiversity. PLoS ONE, 2011, 6, e18930.	2.5	39

#	Article	IF	Citations
19	Timber import and the risk of forest pest introductions. Journal of Applied Ecology, 2009, 46, 55-63.	4.0	34
20	Habitat connectivity affects specialist species richness more than generalists in veteran trees. Forest Ecology and Management, 2017, 403, 96-102.	3.2	33
21	The devil is in the detail: Nonadditive and contextâ€dependent plant population responses to increasing temperature and precipitation. Global Change Biology, 2018, 24, 4657-4666.	9.5	33
22	Establishment and spread of founding populations of an invasive thistle: the role of competition and seed limitation. Biological Invasions, 2007, 9, 317-325.	2.4	31
23	Is Eradication of the Pinewood Nematode (Bursaphelenchus xylophilus) Likely? An Evaluation of Current Contingency Plans. Risk Analysis, 2010, 30, 1424-1439.	2.7	31
24	Direct and sizeâ€dependent effects of climate on flowering performance in alpine and lowland herbaceous species. Journal of Vegetation Science, 2014, 25, 275-286.	2.2	31
25	Trees Wantedâ€”Dead or Alive! Host Selection and Population Dynamics in Tree-Killing Bark Beetles. PLoS ONE, 2011, 6, e18274.	2.5	30
26	Inter-species interactions and ecosystem effects of non-indigenous invasive and native tree-killing bark beetles. Biological Invasions, 2011, 13, 1151-1164.	2.4	30
27	A unifying gravity framework for dispersal. Theoretical Ecology, 2015, 8, 207-223.	1.0	30
28	Threshold facilitations of interacting species. Population Ecology, 2009, 51, 513-523.	1.2	28
29	Plant species occurrence in a fragmented grassland landscape: the importance of species traits. Biodiversity and Conservation, 2015, 24, 547-561.	2.6	26
30	Phenotypic plasticity masks rangeâ€wide genetic differentiation for vegetative but not reproductive traits in a shortâ€lived plant. Ecology Letters, 2021, 24, 2378-2393.	6.4	21
31	Identifying climate thresholds for dominant natural vegetation types at the global scale using machine learning: Average climate versus extremes. Global Change Biology, 2022, 28, 3557-3579.	9.5	20
32	Sub-harmonic resonance and multi-annual oscillations in northern mammals: a non-linear dynamical systems perspective. Chaos, Solitons and Fractals, 2001, 12, 251-264.	5.1	18
33	Generic ecological impact assessment of alien species (GEIAA): the third generation of assessments in Norway. Biological Invasions, 2019, 21, 2803-2810.	2.4	18
34	Biomass partitioning in grassland plants along independent gradients in temperature and precipitation. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 19, 1-11.	2.7	16
35	Hollow oaks and beetle functional diversity: Significance of surroundings extends beyond taxonomy. Ecology and Evolution, 2020, 10, 819-831.	1.9	16
36	Traits mediate niches and coâ€occurrences of forest beetles in ways that differ among bioclimatic regions. Journal of Biogeography, 2021, 48, 3145-3157.	3.0	16

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37	Functional structure of European forest beetle communities is enhanced by rare species. Biological Conservation, 2022, 267, 109491.	4.1	16
38	Biodiversity and ecosystem services: The Nature Index for Norway. Ecosystem Services, 2015, 12, 108-116.	5.4	15
39	Diaspore ecology of Mertensia maritima : effects of physical treatments and their relative timing on dispersal and germination. Oikos, 2001, 95, 374-382.	2.7	14
40	Watch your time step: trapping and tracking dispersal in autocorrelated environments. Methods in Ecology and Evolution, 2011, 2, 407-415.	5.2	12
41	Knowledge gathering and communication on biodiversity: Developing the Norwegian Nature Index. Norsk Geografisk Tidsskrift, 2012, 66, 300-308.	0.7	12
42	The Norwegian Nature Index â€“ state and trends of biodiversity in Norway. Norsk Geografisk Tidsskrift, 2012, 66, 241-249.	0.7	12
43	Choosy beetles: How host trees and southern boreal forest naturalness may determine dead wood beetle communities. Forest Ecology and Management, 2021, 487, 119023.	3.2	12
44	Predicting hotspots for red-listed species: multivariate regression models for oak-associated beetles. Insect Conservation and Diversity, 2011, 4, 53-59.	3.0	11
45	Near-natural forests harbor richer saproxylic beetle communities than those in intensively managed forests. Forest Ecology and Management, 2020, 466, 118124.	3.2	11
46	The Norwegian Nature Index â€“ conceptual framework and methodology. Norsk Geografisk Tidsskrift, 2012, 66, 250-256.	0.7	9
47	Acidity versus habitat structure as regulators of littoral microcrustacean assemblages. Freshwater Biology, 2007, 53, 071026235033001-???.	2.4	8
48	Native range estimates for red-listed vascular plants. Scientific Data, 2022, 9, 117.	5.3	8
49	Population Viability Analysis with Species Occurrence Data from Museum Collections. Conservation Biology, 2011, 25, 577-586.	4.7	7
50	Postâ€dispersal seed removal of Carduus nutans and C. acanthoides by insects and small mammals. Ecological Research, 2015, 30, 173-180.	1.5	7
51	Prediction of biodiversity hotspots in the Anthropocene: The case of veteran oaks. Ecology and Evolution, 2017, 7, 7987-7997.	1.9	7
52	Genetic variation and biogeography of Mertensia maritima (Boraginaceae). Nordic Journal of Botany, 2004, 24, 583-592.	0.5	2