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	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
2	Native range estimates for red-listed vascular plants. Scientific Data, 2022, 9, 117.	5.3	8
3	Functional structure of European forest beetle communities is enhanced by rare species. Biological Conservation, 2022, 267, 109491.	4.1	16
4	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
5	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
6	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
7	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
8	Towards a systematics of ecodiversity: The EcoSyst framework. Global Ecology and Biogeography, 2020, 29, 1887-1906.	5.8	42
9	Hollow oaks and beetle functional diversity: Significance of surroundings extends beyond taxonomy. Ecology and Evolution, 2020, 10, 819-831.	1.9	16
10	Near-natural forests harbor richer saproxylic beetle communities than those in intensively managed forests. Forest Ecology and Management, 2020, 466, 118124.	3.2	11
11	Generic ecological impact assessment of alien species (GEIAA): the third generation of assessments in Norway. Biological Invasions, 2019, 21, 2803-2810.	2.4	18
12	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
13	Habitat connectivity affects specialist species richness more than generalists in veteran trees. Forest Ecology and Management, 2017, 403, 96-102.	3.2	33
14	Prediction of biodiversity hotspots in the Anthropocene: The case of veteran oaks. Ecology and Evolution, 2017, 7, 7987-7997.	1.9	7
15	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
16	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
17	Biodiversity and ecosystem services: The Nature Index for Norway. Ecosystem Services, 2015, 12, 108-116.	5.4	15
18	Plant species occurrence in a fragmented grassland landscape: the importance of species traits. Biodiversity and Conservation, 2015, 24, 547-561.	2.6	26

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19	Postâ€dispersal seed removal of <i>Carduus nutans</i> and <i>C. acanthoides</i> by insects and small mammals. Ecological Research, 2015, 30, 173-180.	1.5	7
20	A unifying gravity framework for dispersal. Theoretical Ecology, 2015, 8, 207-223.	1.0	30
21	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
22	Knowledge gathering and communication on biodiversity: Developing the Norwegian Nature Index. Norsk Geografisk Tidsskrift, 2012, 66, 300-308.	0.7	12
23	The Norwegian Nature Index â€“ state and trends of biodiversity in Norway. Norsk Geografisk Tidsskrift, 2012, 66, 241-249.	0.7	12
24	The Norwegian Nature Index â€“ conceptual framework and methodology. Norsk Geografisk Tidsskrift, 2012, 66, 250-256.	0.7	9
25	Population dynamics in changing environments: the case of an eruptive forest pest species. Biological Reviews, 2012, 87, 34-51.	10.4	127
26	Modeling alpine plant distributions at the landscape scale: Do biotic interactions matter?. Ecological Modelling, 2012, 231, 1-10.	2.5	47
27	Watch your time step: trapping and tracking dispersal in autocorrelated environments. Methods in Ecology and Evolution, 2011, 2, 407-415.	5.2	12
28	Trees Wantedâ€”Dead or Alive! Host Selection and Population Dynamics in Tree-Killing Bark Beetles. PLoS ONE, 2011, 6, e18274.	2.5	30
29	The Nature Index: A General Framework for Synthesizing Knowledge on the State of Biodiversity. PLoS ONE, 2011, 6, e18930.	2.5	39
30	Population Viability Analysis with Species Occurrence Data from Museum Collections. Conservation Biology, 2011, 25, 577-586.	4.7	7
31	Predicting hotspots for red-listed species: multivariate regression models for oak-associated beetles. Insect Conservation and Diversity, 2011, 4, 53-59.	3.0	11
32	Are the best dispersers the best colonizers? Seed mass, dispersal and establishment in Carduus thistles. Evolutionary Ecology, 2011, 25, 155-169.	1.2	46
33	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
34	Importance of individual and environmental variation for invasive species spread: a spatial integral projection model. Ecology, 2011, 92, 86-97.	3.2	67
35	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
36	Hollow oaks and beetle conservation: the significance of the surroundings. Biodiversity and Conservation, 2010, 19, 837-852.	2.6	59

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37	Is Eradication of the Pinewood Nematode (<i>Bursaphelenchus xylophilus</i>) Likely? An Evaluation of Current Contingency Plans. Risk Analysis, 2010, 30, 1424-1439.	2.7	31
38	Threshold facilitations of interacting species. Population Ecology, 2009, 51, 513-523.	1.2	28
39	Timber import and the risk of forest pest introductions. Journal of Applied Ecology, 2009, 46, 55-63.	4.0	34
40	Dispersal and demography contributions to population spread of <i>Carduus nutans </i>in its native and invaded ranges. Journal of Ecology, 2008, 96, 687-697.	4.0	77
41	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
42	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
43	Dispersal Patterns, Dispersal Mechanisms, and Invasion Wave Speeds for Invasive Thistles. American Naturalist, 2007, 170, 421-430.	2.1	126
44	Acidity versus habitat structure as regulators of littoral microcrustacean assemblages. Freshwater Biology, 2007, 53, 071026235033001-???.	2.4	8
45	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
46	Measuring plant dispersal: an introduction to field methods and experimental design. Plant Ecology, 2006, 186, 217-234.	1.6	165
47	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
48	Optimizing dispersal study design by Monte Carlo simulation. Journal of Applied Ecology, 2005, 42, 731-739.	4.0	67
49	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
50	Genetic variation and biogeography of Mertensia maritima (Boraginaceae). Nordic Journal of Botany, 2004, 24, 583-592.	0.5	2
51	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
52	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