

Nigel G. Yoccoz

List of Publications by Year in descending order

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Version: 2024-02-01

315
papers

23,045
citations

9786

73
h-index

11052

137
g-index

363
all docs

363
docs citations

363
times ranked

21034
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Variation in Fitness Components and Population Dynamics of Large Herbivores. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2000, 31, 367-393.	6.7	1,402
2	Measuring ecological niche overlap from occurrence and spatial environmental data. <i>Global Ecology and Biogeography</i> , 2012, 21, 481-497.	5.8	1,130
3	Population dynamics of large herbivores: variable recruitment with constant adult survival. <i>Trends in Ecology and Evolution</i> , 1998, 13, 58-63.	8.7	1,102
4	Monitoring of biological diversity in space and time. <i>Trends in Ecology and Evolution</i> , 2001, 16, 446-453.	8.7	1,055
5	Review article. Studying climate effects on ecology through the use of climate indices: the North Atlantic Oscillation, El Niño Southern Oscillation and beyond. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2087-2096.	2.6	653
6	Intraspecific functional variability: extent, structure and sources of variation. <i>Journal of Ecology</i> , 2010, 98, 604-613.	4.0	513
7	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014, 506, 47-51.	27.8	505
8	TEMPORAL VARIATION IN SURVIVAL OF MAMMALS: A CASE OF ENVIRONMENTAL CANALIZATION?. <i>Ecology</i> , 2003, 84, 3294-3306.	3.2	451
9	A multi-trait approach reveals the structure and the relative importance of intra- vs. interspecific variability in plant traits. <i>Functional Ecology</i> , 2010, 24, 1192-1201.	3.6	420
10	Using Niche-Based Models to Improve the Sampling of Rare Species. <i>Conservation Biology</i> , 2006, 20, 501-511.	4.7	398
11	Climatic extremes improve predictions of spatial patterns of tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19723-19728.	7.1	314
12	Impacts of climate change on the world's most exceptional ecoregions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2306-2311.	7.1	312
13	Climate change and outbreaks of the geometrids <i>Operophtera brumata</i> and <i>Epirrita autumnata</i> in subarctic birch forest: evidence of a recent outbreak range expansion. <i>Journal of Animal Ecology</i> , 2008, 77, 257-264.	2.8	302
14	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012, 21, 3647-3655.	3.9	262
15	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. <i>Molecular Ecology</i> , 2012, 21, 1821-1833.	3.9	259
16	Analysing diet of small herbivores: the efficiency of DNA barcoding coupled with high-throughput pyrosequencing for deciphering the composition of complex plant mixtures. <i>Frontiers in Zoology</i> , 2009, 6, 16.	2.0	233
17	Plant phenology, migration and geographical variation in body weight of a large herbivore: the effect of a variable topography. <i>Journal of Animal Ecology</i> , 2001, 70, 915-923.	2.8	233
18	Common Dynamic Structure of Canada Lynx Populations Within Three Climatic Regions. <i>Science</i> , 1999, 285, 1071-1073.	12.6	218

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19	Europe-Wide Dampening of Population Cycles in Keystone Herbivores. <i>Science</i> , 2013, 340, 63-66.	12.6	214
20	Nonlinear effects of large-scale climatic variability on wild and domestic herbivores. <i>Nature</i> , 2001, 410, 1096-1099.	27.8	206
21	Generation Time: A Reliable Metric to Measure Life-History Variation among Mammalian Populations. <i>American Naturalist</i> , 2005, 166, 119-123.	2.1	199
22	Climate Events Synchronize the Dynamics of a Resident Vertebrate Community in the High Arctic. <i>Science</i> , 2013, 339, 313-315.	12.6	199
23	The effect of climate on adult survival in five species of North Atlantic seabirds. <i>Journal of Animal Ecology</i> , 2005, 74, 817-831.	2.8	194
24	Effects of density and weather on survival of bighorn sheep lambs (<i>Ovis canadensis</i>). <i>Journal of Zoology</i> , 1998, 245, 271-278.	1.7	177
25	Reliability of flipper-banded penguins as indicators of climate change. <i>Nature</i> , 2011, 469, 203-206.	27.8	170
26	Age- and density-dependent reproductive effort in male red deer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1523-1528.	2.6	169
27	Fitness costs of reproduction depend on life speed: empirical evidence from mammalian populations. <i>Ecology Letters</i> , 2010, 13, 915-935.	6.4	169
28	Induced Shift in Ecosystem Productivity? Extensive Scale Effects of Abundant Large Herbivores. <i>Ecosystems</i> , 2007, 10, 773-789.	3.4	162
29	Importance of climatological downscaling and plant phenology for red deer in heterogeneous landscapes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2357-2364.	2.6	155
30	From patterns to processes: Phase and density dependencies in the Canadian lynx cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 15430-15435.	7.1	154
31	Effects of age, sex and density on body weight of Norwegian red deer: evidence of density-dependent senescence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 911-919.	2.6	149
32	Species distribution models reveal apparent competitive and facilitative effects of a dominant species on the distribution of tundra plants. <i>Ecography</i> , 2010, 33, 1004-1014.	4.5	148
33	The future of environmental DNA in ecology. <i>Molecular Ecology</i> , 2012, 21, 2031-2038.	3.9	145
34	Monitoring biodiversity in the Anthropocene using remote sensing in species distribution models. <i>Remote Sensing of Environment</i> , 2020, 239, 111626.	11.0	142
35	Plant DNA metabarcoding of lake sediments: How does it represent the contemporary vegetation. <i>PLoS ONE</i> , 2018, 13, e0195403.	2.5	136
36	Vole population cycles in northern and southern Europe: Is there a need for different explanations for single pattern?. <i>Journal of Animal Ecology</i> , 2006, 75, 340-349.	2.8	134

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37	Functional responses in polar bear habitat selection. <i>Oikos</i> , 2003, 100, 112-124.	2.7	130
38	Studying Transfer Processes in Metapopulations. , 1997, , 247-265.		129
39	Relationships between sex ratio, climate and density in red deer: the importance of spatial scale. <i>Journal of Animal Ecology</i> , 2000, 69, 959-974.	2.8	129
40	Public information affects breeding dispersal in a colonial bird: kittiwakes cue on neighbours. <i>Biology Letters</i> , 2008, 4, 538-540.	2.3	127
41	Delayed maturation in female bank voles: optimal decision or social constraint?. <i>Journal of Animal Ecology</i> , 1999, 68, 684-697.	2.8	125
42	Highly Overlapping Winter Diet in Two Sympatric Lemming Species Revealed by DNA Metabarcoding. <i>PLoS ONE</i> , 2015, 10, e0115335.	2.5	125
43	Direct and indirect control by snow cover over decomposition in alpine tundra along a snowmelt gradient. <i>Plant and Soil</i> , 2010, 328, 397-410.	3.7	120
44	Modelling hantavirus in fluctuating populations of bank voles: the role of indirect transmission on virus persistence. <i>Journal of Animal Ecology</i> , 2003, 72, 1-13.	2.8	115
45	Timing and Synchrony of Ovulation in Red Deer Constrained by Short Northern Summers. <i>American Naturalist</i> , 2004, 163, 763-772.	2.1	113
46	Sampling in ecology and evolution “ bridging the gap between theory and practice. <i>Ecography</i> , 2010, 33, 1028-1037.	4.5	111
47	Determinants of lemming outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1970-1974.	7.1	110
48	The magnitude and selectivity of natural and multiple anthropogenic mortality causes in hunted brown bears. <i>Journal of Animal Ecology</i> , 2009, 78, 656-665.	2.8	108
49	Ageing and reproductive effort in male moose under variable levels of intrasexual competition. <i>Journal of Animal Ecology</i> , 2005, 74, 742-754.	2.8	106
50	Towards good practice guidance in using camera traps in ecology: influence of sampling design on validity of ecological inferences. <i>Methods in Ecology and Evolution</i> , 2013, 4, 105-113.	5.2	105
51	What regulate and limit reindeer populations in Norway?. <i>Oikos</i> , 2007, 116, 706-715.	2.7	103
52	Heterogeneity in individual quality overrides costs of reproduction in female reindeer. <i>Oecologia</i> , 2008, 156, 237-247.	2.0	103
53	Good reindeer mothers live longer and become better in raising offspring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1239-1244.	2.6	102
54	Phenological and elevational shifts of plants, animals and fungi under climate change in the European Alps. <i>Biological Reviews</i> , 2021, 96, 1816-1835.	10.4	102

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55	Nonlinear effects of climate on boreal rodent dynamics: mild winters do not negate high amplitude cycles. <i>Global Change Biology</i> , 2013, 19, 697-710.	9.5	101
56	An examination of a compensatory relationship between food limitation and predation in semi-domestic reindeer. <i>Oecologia</i> , 2003, 137, 370-376.	2.0	99
57	Monitoring the spatio-temporal dynamics of geometrid moth outbreaks in birch forest using MODIS-NDVI data. <i>Remote Sensing of Environment</i> , 2009, 113, 1939-1947.	11.0	95
58	Large-scale habitat variability, delayed density effects and red deer populations in Norway. <i>Journal of Animal Ecology</i> , 2002, 71, 569-580.	2.8	93
59	Carnivore conservation in practice: replicated management actions on a large spatial scale. <i>Journal of Applied Ecology</i> , 2013, 50, 59-67.	4.0	93
60	Assessing global patterns in mammalian carnivore occupancy and richness by integrating local camera trap surveys. <i>Global Ecology and Biogeography</i> , 2017, 26, 918-929.	5.8	93
61	The impact of population kin structure on nestling survival in Townsend's voles, <i>Microtus townsendii</i> . <i>Journal of Animal Ecology</i> , 1998, 67, 1-16.	2.8	92
62	Age-specific changes in different components of reproductive output in female reindeer: terminal allocation or senescence?. <i>Oecologia</i> , 2010, 162, 261-271.	2.0	92
63	Arctic ecosystem structure and functioning shaped by climate and herbivore body size. <i>Nature Climate Change</i> , 2014, 4, 379-383.	18.8	92
64	The response of terrestrial ecosystems to climate variability associated with the North Atlantic Oscillation. <i>Geophysical Monograph Series</i> , 2003, , 235-262.	0.1	89
65	SENESCENCE IN NATURAL POPULATIONS OF MAMMALS: A REANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 509-516.	2.3	88
66	Warmer winters reduce the advance of tree spring phenology induced by warmer springs in the Alps. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 220-230.	4.8	87
67	Structural characteristics of a low Arctic tundra ecosystem and the retreat of the Arctic fox. <i>Biological Conservation</i> , 2007, 135, 459-472.	4.1	85
68	EXPERIMENTAL EVIDENCE OF A RISK-SENSITIVE REPRODUCTIVE ALLOCATION IN A LONG-LIVED MAMMAL. <i>Ecology</i> , 2008, 89, 829-837.	3.2	85
69	Congruent responses to weather variability in high arctic herbivores. <i>Biology Letters</i> , 2012, 8, 1002-1005.	2.3	85
70	<i>Echinococcus multilocularis</i> on Svalbard: introduction of an intermediate host has enabled the local life-cycle. <i>Parasitology</i> , 2001, 123, 547-52.	1.5	84
71	The Demographic Buffering Hypothesis: Evidence and Challenges. <i>Trends in Ecology and Evolution</i> , 2020, 35, 523-538.	8.7	83
72	Ecological correlates of the spatial co-occurrence of sympatric mammalian carnivores worldwide. <i>Ecology Letters</i> , 2018, 21, 1401-1412.	6.4	82

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73	Biotransformation of PCBs in Relation to Phase I and II Xenobiotic-Metabolizing Enzyme Activities in Ringed Seals (<i>Phoca hispida</i>) from Svalbard and the Baltic Sea. <i>Environmental Science & Technology</i> , 2008, 42, 8952-8958.	10.0	81
74	The importance of marine vs. human-induced subsidies in the maintenance of an expanding mesocarnivore in the arctic tundra. <i>Journal of Animal Ecology</i> , 2011, 80, 1049-1060.	2.8	81
75	Can Reindeer Overabundance Cause a Trophic Cascade?. <i>Ecosystems</i> , 2007, 10, 607-622.	3.4	79
76	Predators and Small Rodent Cycles: An Analysis of a 79-Year Time Series of Small Rodent Population Fluctuations. <i>Oikos</i> , 1990, 59, 115.	2.7	74
77	Rapid, landscape scale responses in riparian tundra vegetation to exclusion of small and large mammalian herbivores. <i>Basic and Applied Ecology</i> , 2011, 12, 643-653.	2.7	74
78	Reopening the climate envelope reveals macroscale associations with climate in European birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, E45-6; author reply E41-3.	7.1	70
79	Extra-pair paternity in the monogamous alpine marmot (<i>Marmota marmota</i>): the roles of social setting and female mate choice. <i>Behavioral Ecology and Sociobiology</i> , 2006, 59, 597-605.	1.4	68
80	Climate-dependent allocation of resources to secondary sexual traits in red deer. <i>Oikos</i> , 2005, 111, 245-252.	2.7	67
81	SELECTING INDICATOR TRAITS FOR MONITORING LAND USE IMPACTS: BIRDS IN NORTHERN COASTAL BIRCH FORESTS. , 2003, 13, 999-1012.		65
82	Genetic diversity-fitness correlation revealed by microsatellite analyses in European alpine marmots (<i>Marmota marmota</i>). <i>Conservation Genetics</i> , 2006, 7, 371-382.	1.5	65
83	Effects of changing permafrost and snow conditions on tundra wildlife: critical places and times. <i>Arctic Science</i> , 2017, 3, 65-90.	2.3	65
84	The response of fawn survival to changes in habitat quality varies according to cohort quality and spatial scale. <i>Journal of Animal Ecology</i> , 2005, 74, 972-981.	2.8	64
85	Hierarchical path analysis of deer responses to direct and indirect effects of climate in northern forest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2357-2366.	4.0	61
86	Thermal niches are more conserved at cold than warm limits in arctic alpine plant species. <i>Global Ecology and Biogeography</i> , 2013, 22, 933-941.	5.8	60
87	Costs of reproduction in common eiders (<i>Somateria mollissima</i>): An assessment of relationships between reproductive effort and future survival and reproduction based on observational and experimental studies. <i>Journal of Applied Statistics</i> , 2002, 29, 57-64.	1.3	58
88	Complementary impacts of small rodents and semi-domesticated ungulates limit tall shrub expansion in the tundra. <i>Journal of Applied Ecology</i> , 2014, 51, 234-241.	4.0	58
89	Land use improves spatial predictions of mountain plant abundance but not presence-absence. <i>Journal of Vegetation Science</i> , 2009, 20, 996-1008.	2.2	57
90	Shifting altitudinal distribution of outbreak zones of winter moth (<i>Operophtera brumata</i>) in sub-arctic birch forest: a response to recent climate warming?. <i>Ecography</i> , 2007, 30, 299-307.	4.5	56

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91	HETEROZYGOSITY-FITNESS CORRELATIONS REVEALED BY NEUTRAL AND CANDIDATE GENE MARKERS IN ROE DEER FROM A LONG-TERM STUDY. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 403-417.	2.3	56
92	Intrapopulation Variability Shaping Isotope Discrimination and Turnover: Experimental Evidence in Arctic Foxes. <i>PLoS ONE</i> , 2011, 6, e21357.	2.5	56
93	Adaptive precocial reproduction in voles: reproductive costs and multivoltine life-history strategies in seasonal environments. <i>Journal of Animal Ecology</i> , 2001, 70, 191-200.	2.8	55
94	Weak compensation of harvest despite strong density-dependent growth in willow ptarmigan. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 381-385.	2.6	55
95	Stable isotope analysis: modelling lipid normalization for muscle and eggs from arctic mammals and birds. <i>Methods in Ecology and Evolution</i> , 2011, 2, 66-76.	5.2	55
96	Arctic Small Rodents Have Diverse Diets and Flexible Food Selection. <i>PLoS ONE</i> , 2013, 8, e68128.	2.5	54
97	Senescence in Natural Populations of Mammals: A Reanalysis. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 509.	2.3	53
98	Disentangling the importance of interspecific competition, food availability, and habitat in species occupancy: Recolonization of the endangered Fennoscandian arctic fox. <i>Biological Conservation</i> , 2013, 160, 114-120.	4.1	53
99	Metabarcoding of modern soil DNA gives a highly local vegetation signal in Svalbard tundra. <i>Holocene</i> , 2018, 28, 2006-2016.	1.7	52
100	The demography of <i>Clethrionomys rufocanus</i> : From mathematical and statistical models to further field studies. <i>Researches on Population Ecology</i> , 1998, 40, 107-121.	0.9	51
101	Temporal Trends (1986-2004) of Organochlorines and Brominated Flame Retardants in Tawny Owl Eggs from Northern Europe. <i>Environmental Science & Technology</i> , 2007, 41, 8491-8497.	10.0	51
102	Nonstationary spatio-temporal small rodent dynamics: evidence from long-term Norwegian fox bounty data. <i>Journal of Animal Ecology</i> , 2009, 78, 636-645.	2.8	51
103	Shedding new light on the diet of Norwegian lemmings: DNA metabarcoding of stomach content. <i>Polar Biology</i> , 2013, 36, 1069-1076.	1.2	50
104	Are Alpine Bank Voles Larger and More Sexually Dimorphic because Adults Survive Better?. <i>Oikos</i> , 1998, 82, 85.	2.7	49
105	Survival variation within and between functional categories of the African multimammate rat. <i>Journal of Animal Ecology</i> , 1999, 68, 550-561.	2.8	48
106	Effects of food addition on the seasonal density-dependent structure of bank vole <i>Clethrionomys glareolus</i> populations. <i>Journal of Animal Ecology</i> , 2001, 70, 713-720.	2.8	48
107	How ecological neighbourhoods influence the structure of the scavenger guild in low arctic tundra. <i>Diversity and Distributions</i> , 2012, 18, 563-574.	4.1	48
108	Sampling in Landscape Genomics. <i>Methods in Molecular Biology</i> , 2012, 888, 3-12.	0.9	48

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109	The importance of willow thickets for ptarmigan and hares in shrub tundra: the more the better?. <i>Oecologia</i> , 2012, 168, 141-151.	2.0	48
110	Flexible flight response to challenging wind conditions in a commuting Antarctic seabird: do you catch the drift?. <i>Animal Behaviour</i> , 2016, 113, 99-112.	1.9	48
111	Emission Changes Dwarf the Influence of Feeding Habits on Temporal Trends of Per- and Polyfluoroalkyl Substances in Two Arctic Top Predators. <i>Environmental Science & Technology</i> , 2017, 51, 11996-12006.	10.0	47
112	Retroviruses and sexual size dimorphism in domestic cats (<i>Felis catus</i> L.). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 167-173.	2.6	46
113	The timing of male reproductive effort relative to female ovulation in a capital breeder. <i>Journal of Animal Ecology</i> , 2008, 77, 469-477.	2.8	46
114	Intestinal parasites of the Arctic fox in relation to the abundance and distribution of intermediate hosts. <i>Parasitology</i> , 2010, 137, 149-157.	1.5	46
115	Early onset of reproductive senescence in domestic sheep <i>Ovis aries</i> . <i>Oikos</i> , 2002, 97, 177-183.	2.7	45
116	Spatial and temporal migration of wild Atlantic salmon smolts determined from a video camera array in the sub-Arctic River Tana. <i>Fisheries Research</i> , 2005, 74, 210-222.	1.7	45
117	The genetic similarity between pair members influences the frequency of extrapair paternity in alpine marmots. <i>Animal Behaviour</i> , 2008, 76, 87-95.	1.9	45
118	A probabilistic algorithm to process geolocation data. <i>Movement Ecology</i> , 2016, 4, 26.	2.8	45
119	Survival in fluctuating bank vole populations: seasonal and yearly variations. <i>Oikos</i> , 2002, 98, 467-479.	2.7	44
120	SEX DIFFERENCES IN THE INTERPLAY OF COHORT AND MOTHER QUALITY ON BODY MASS OF RED DEER CALVES. <i>Ecology</i> , 2004, 85, 1992-2002.	3.2	44
121	Phenology and abundance in relation to climatic variation in a sub-arctic insect herbivore—mountain birch system. <i>Oecologia</i> , 2005, 145, 53-65.	2.0	44
122	Population ecology and conservation of endangered megafauna: the case of European bison in Bia?owie?a Primeval Forest, Poland. <i>Animal Conservation</i> , 2007, 10, 77-87.	2.9	44
123	The regional species richness and genetic diversity of <sc>Arctic</sc> vegetation reflect both past glaciations and current climate. <i>Global Ecology and Biogeography</i> , 2016, 25, 430-442.	5.8	44
124	Adaptive regulation of body reserves in reindeer, <i>Rangifer tarandus</i> : a feeding experiment. <i>Oikos</i> , 2004, 107, 583-591.	2.7	43
125	Escaping parasitism in the selfish herd: age, size and density-dependent warble fly infestation in reindeer. <i>Oikos</i> , 2007, 116, 491-499.	2.7	43
126	Strength of asymmetric competition between predators in food webs ruled by fluctuating prey: the case of foxes in tundra. <i>Oikos</i> , 2010, 119, 27-34.	2.7	43

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127	Reproductive responses to spatial and temporal prey availability in a coastal Arctic fox population. <i>Journal of Animal Ecology</i> , 2012, 81, 640-648.	2.8	43
128	The role of predation and food limitation on claims for compensation, reindeer demography and population dynamics. <i>Journal of Applied Ecology</i> , 2014, 51, 1264-1272.	4.0	43
129	Effect of Body Condition on Tissue Distribution of Perfluoroalkyl Substances (PFASs) in Arctic Fox (<i>Vulpes lagopus</i>). <i>Environmental Science & Technology</i> , 2014, 48, 11654-11661.	10.0	43
130	Levels and temporal trends of persistent organic pollutants (POPs) in arctic foxes (<i>Vulpes lagopus</i>) from Svalbard in relation to dietary habits and food availability. <i>Science of the Total Environment</i> , 2015, 511, 112-122.	8.0	43
131	At-risk individuals in Feline Immunodeficiency Virus epidemiology: evidence from a multivariate approach in a natural population of domestic cats (<i>Felis catus</i>). <i>Epidemiology and Infection</i> , 1998, 121, 227-236.	2.1	42
132	Cohort variation in individual body mass dissipates with age in large herbivores. <i>Ecological Monographs</i> , 2016, 86, 517-543.	5.4	42
133	Age-related gestation length adjustment in a large iteroparous mammal at northern latitude. <i>Journal of Animal Ecology</i> , 2009, 78, 1002-1006.	2.8	41
134	<i>Echinococcus multilocularis</i> in Svalbard, Norway: Microsatellite genotyping to investigate the origin of a highly focal contamination. <i>Infection, Genetics and Evolution</i> , 2012, 12, 1270-1274.	2.3	41
135	Consequences of inter-population crosses on developmental stability and canalization of floral traits in <i>Dalechampia scandens</i> (Euphorbiaceae). <i>Journal of Evolutionary Biology</i> , 2004, 17, 19-32.	1.7	40
136	Declining willow ptarmigan populations: The role of habitat structure and community dynamics. <i>Basic and Applied Ecology</i> , 2011, 12, 413-422.	2.7	40
137	Demographic effects of extreme weather events: snow storms, breeding success, and population growth rate in a long-lived antarctic seabird. <i>Ecology and Evolution</i> , 2015, 5, 314-325.	1.9	40
138	What Can Stable Isotope Analysis of Top Predator Tissues Contribute to Monitoring of Tundra Ecosystems?. <i>Ecosystems</i> , 2015, 18, 404-416.	3.4	40
139	Age-specific feeding cessation in male red deer during rut. <i>Journal of Zoology</i> , 2008, 275, 407-412.	1.7	39
140	The Nature Index: A General Framework for Synthesizing Knowledge on the State of Biodiversity. <i>PLoS ONE</i> , 2011, 6, e18930.	2.5	39
141	Do sub-Arctic winter moth populations in coastal birch forest exhibit spatially synchronous dynamics?. <i>Journal of Animal Ecology</i> , 2004, 73, 1129-1136.	2.8	38
142	Detecting population heterogeneity in effects of North Atlantic Oscillations on seabird body condition: get into the rhythm. <i>Oikos</i> , 2010, 119, 1526-1536.	2.7	38
143	Are population outbreaks in sub-Arctic geometrids terminated by larval parasitoids?. <i>Journal of Animal Ecology</i> , 2010, 79, 701-708.	2.8	38
144	Explaining Bird Migration. <i>Science</i> , 2010, 327, 276-277.	12.6	38

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145	Spring tree phenology in the Alps: effects of air temperature, altitude and local topography. <i>European Journal of Forest Research</i> , 2012, 131, 1957-1965.	2.5	37
146	Fluctuating asymmetry as an indicator of elevation stress and distribution limits in mountain birch (<i>Betula pubescens</i>). <i>Plant Ecology</i> , 2008, 195, 157-163.	1.6	36
147	The Ghost of Development Past: the Impact of Economic Security Policies on Saami Pastoral Ecosystems. <i>Ecology and Society</i> , 2011, 16, .	2.3	35
148	Demographic responses of a siteâ€faithful and territorial predator to its fluctuating prey: longâ€tailed skuas and arctic lemmings. <i>Journal of Animal Ecology</i> , 2014, 83, 375-387.	2.8	35
149	Upscaling the niche variation hypothesis from the intra- to the inter-specific level. <i>Oecologia</i> , 2015, 179, 835-842.	2.0	35
150	When relative allocation depends on total resource acquisition: implication for the analysis of tradeâ€offs. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1860-1866.	1.7	35
151	Ecosystem drivers of an Arctic fox population at the western fringe of the Eurasian Arctic. <i>Polar Research</i> , 2017, 36, 8.	1.6	35
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