

Nils Christian Stenseth

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

670

papers

35,855

citations

94

h-index

157

g-index

705

ext. papers

40,464

ext. citations

6.9

avg, IF

7.24

L-index

#	Paper	IF	Citations
670	Using the satellite-derived NDVI to assess ecological responses to environmental change. <i>Trends in Ecology and Evolution</i> , 2005 , 20, 503-10	10.9	1771
669	Ecological effects of climate fluctuations. <i>Science</i> , 2002 , 297, 1292-6	33.3	1251
668	Ecological Mechanisms and Landscape Ecology. <i>Oikos</i> , 1993 , 66, 369	4	669
667	Climate and the match or mismatch between predator requirements and resource availability. <i>Climate Research</i> , 2007 , 33, 271-283	1.6	564
666	Ecological effects of the North Atlantic Oscillation. <i>Oecologia</i> , 2001 , 128, 1-14	2.9	548
665	The genome sequence of Atlantic cod reveals a unique immune system. <i>Nature</i> , 2011 , 477, 207-10	50.4	546
664	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, 2087-96	4.4	534
663	CLIMATIC VARIABILITY, PLANT PHENOLOGY, AND NORTHERN UNGULATES. <i>Ecology</i> , 1999 , 80, 1322-1339	4.6	441
662	Wavelet analysis of ecological time series. <i>Oecologia</i> , 2008 , 156, 287-304	2.9	405
661	Adapting to climate change: a perspective from evolutionary physiology. <i>Climate Research</i> , 2010 , 43, 3-15	1.6	337
660	Climate, changing phenology, and other life history traits: nonlinearity and match-mismatch to the environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13379-81	11.5	331
659	Rapid advance of spring arrival dates in long-distance migratory birds. <i>Science</i> , 2006 , 312, 1959-61	33.3	318
658	Plague: past, present, and future. <i>PLoS Medicine</i> , 2008 , 5, e3	11.6	318
657	Managing nitrogen to restore water quality in China. <i>Nature</i> , 2019 , 567, 516-520	50.4	314
656	Linking climate change to lemming cycles. <i>Nature</i> , 2008 , 456, 93-7	50.4	301
655	Fine-scaled geographical population structuring in a highly mobile marine species: the Atlantic cod. <i>Molecular Ecology</i> , 2003 , 12, 385-94	5.7	290
654	Ecosystem consequences of wolf behavioural response to climate. <i>Nature</i> , 1999 , 401, 905-907	50.4	280

653	Stochastic seasonality and nonlinear density-dependent factors regulate population size in an African rodent. <i>Nature</i> , 1997 , 389, 176-80	50.4	269
652	Population Cycles in Voles and Lemmings: Density Dependence and Phase Dependence in a Stochastic World. <i>Oikos</i> , 1999 , 87, 427	4	262
651	Breeding phenology and climate . <i>Nature</i> , 1998 , 391, 29-30	50.4	255
650	Challenging claims in the study of migratory birds and climate change. <i>Biological Reviews</i> , 2011 , 86, 928-46.5	46.5	237
649	Temporal and spatial development of red deer harvesting in Europe: biological and cultural factors. <i>Journal of Applied Ecology</i> , 2006 , 43, 721-734	5.8	232
648	Ecosystem oceanography for global change in fisheries. <i>Trends in Ecology and Evolution</i> , 2008 , 23, 338-46	10.9	227
647	Population dynamics of Norwegian red deer: density-dependence and climatic variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 341-50	4.4	217
646	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	4.7	205
645	A geographic gradient in small rodent density fluctuations: a statistical modelling approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995 , 262, 127-33	4.4	201
644	Changes in spawning stock structure strengthen the link between climate and recruitment in a heavily fished cod (<i>Gadus morhua</i>) stock. <i>Fisheries Oceanography</i> , 2006 , 15, 230-243	2.4	199
643	Plague dynamics are driven by climate variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 13110-5	11.5	197
642	Common dynamic structure of canada lynx populations within three climatic regions. <i>Science</i> , 1999 , 285, 1071-3	33.3	191
641	Nonlinear effects of large-scale climatic variability on wild and domestic herbivores. <i>Nature</i> , 2001 , 410, 1096-9	50.4	187
640	Mice, rats, and people: the bio-economics of agricultural rodent pests. <i>Frontiers in Ecology and the Environment</i> , 2003 , 1, 367-375	5.5	184
639	Timing and abundance as key mechanisms affecting trophic interactions in variable environments. <i>Ecology Letters</i> , 2005 , 8, 952-958	10	177
638	Population regulation in snowshoe hare and Canadian lynx: asymmetric food web configurations between hare and lynx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 5147-52	11.5	176
637	Merging paleobiology with conservation biology to guide the future of terrestrial ecosystems. <i>Science</i> , 2017 , 355,	33.3	169
636	Climate-driven introduction of the Black Death and successive plague reintroductions into Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3020-5	11.5	162

635	Global climate change and phenotypic variation among red deer cohorts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997 , 264, 1317-24	4.4	162
634	Ecosystem processes are rarely included in tactical fisheries management. <i>Fish and Fisheries</i> , 2016 , 17, 165-175	6	149
633	Are low but statistically significant levels of genetic differentiation in marine fishes 'biologically meaningful'? A case study of coastal Atlantic cod. <i>Molecular Ecology</i> , 2011 , 20, 768-83	5.7	147
632	Large-scale climatic fluctuation and population dynamics of moose and white-tailed deer. <i>Journal of Animal Ecology</i> , 1998 , 67, 537-543	4.7	146
631	The role of males in the dynamics of ungulate populations. <i>Journal of Animal Ecology</i> , 2002 , 71, 907-915	4.7	146
630	Predictive thresholds for plague in Kazakhstan. <i>Science</i> , 2004 , 304, 736-8	33.3	145
629	POPULATION CYCLES IN SMALL MAMMALS: THE PROBLEM OF EXPLAINING THE LOW PHASE. <i>Ecology</i> , 1998 , 79, 1479-1488	4.6	144
628	Age- and density-dependent reproductive effort in male red deer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 1523-8	4.4	143
627	COEVOLUTION IN ECOSYSTEMS: RED QUEEN EVOLUTION OR STASIS?. <i>Evolution; International Journal of Organic Evolution</i> , 1984 , 38, 870-880	3.8	140
626	Reliability of flipper-banded penguins as indicators of climate change. <i>Nature</i> , 2011 , 469, 203-6	50.4	139
625	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, 2357-64	4.4	139
624	Mushroom fruiting and climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3811-4	11.5	136
623	Trait changes in a harvested population are driven by a dynamic tug-of-war between natural and harvest selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15799-804	11.5	135
622	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, 911-9	4.4	134
621	The effect of climate variation on agro-pastoral production in Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3049-53	11.5	133
620	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, 15430-5	11.5	133
619	North Atlantic Oscillation timing of long- and short-distance migration. <i>Journal of Animal Ecology</i> , 2002 , 71, 1002-1014	4.7	131
618	NONADDITIVE EFFECTS OF THE ENVIRONMENT ON THE SURVIVAL OF A LARGE MARINE FISH POPULATION. <i>Ecology</i> , 2004 , 85, 3418-3427	4.6	130

617	Weather packages: finding the right scale and composition of climate in ecology. <i>Journal of Animal Ecology</i> , 2005 , 74, 1195-1198	4.7	127
616	Basin-scale phenology and effects of climate variability on global timing of initial seaward migration of Atlantic salmon (<i>Salmo salar</i>). <i>Global Change Biology</i> , 2014 , 20, 61-75	11.4	124
615	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	4.7	123
614	Using a proxy of plant productivity (NDVI) to find key periods for animal performance: the case of roe deer. <i>Oikos</i> , 2006 , 112, 565-572	4	122
613	Dynamic effects of predators on cyclic voles: field experimentation and model extrapolation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 991-7	4.4	122
612	Evolution of the immune system influences speciation rates in teleost fishes. <i>Nature Genetics</i> , 2016 , 48, 1204-10	36.3	121
611	Climate, fishing, and fluctuations of sardine and anchovy in the California Current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13672-7	11.5	121
610	Environmental variation shapes sexual dimorphism in red deer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4467-71	11.5	120
609	SYNCHRONY AND SCALING IN DYNAMICS OF VOLES AND MICE IN NORTHERN JAPAN. <i>Ecology</i> , 1999 , 80, 622-637	4.6	115
608	Higher origination and extinction rates in larger mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6097-102	11.5	114
607	Multiannual Vole Cycles and Population Regulation during Long Winters: An Analysis of Seasonal Density Dependence. <i>American Naturalist</i> , 1999 , 154, 129-139	3.7	114
606	Delayed maturation in female bank voles: optimal decision or social constraint?. <i>Journal of Animal Ecology</i> , 1999 , 68, 684-697	4.7	113
605	Climate variation drives dengue dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 113-118	11.5	112
604	The relative role of winter and spring conditions: linking climate and landscape-scale plant phenology to alpine reindeer body mass. <i>Biology Letters</i> , 2005 , 1, 24-6	3.6	112
603	Interaction between top-down and bottom-up control in marine food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1952-1957	11.5	111
602	Cod and climate: effect of the North Atlantic Oscillation on recruitment in the North Atlantic. <i>Marine Ecology - Progress Series</i> , 2006 , 325, 227-241	2.6	111
601	The rise and fall of species: implications for macroevolutionary and macroecological studies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2745-52	4.4	110
600	Seasonality, density dependence, and population cycles in Hokkaido voles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11478-83	11.5	109

599	Cycles and trends in cod populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 5066-71	11.5	109
598	Food web structure and climate effects on the dynamics of small mammals and owls in semi-arid Chile. <i>Ecology Letters</i> , 2002 , 5, 273-284	10	108
597	The timing of life-history events in a changing climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 15-23	4.4	108
596	Environmental change and rates of evolution: the phylogeographic pattern within the hartebeest complex as related to climatic variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 667-77	4.4	107
595	Coevolution in Ecosystems: Red Queen Evolution or Stasis?. <i>Evolution; International Journal of Organic Evolution</i> , 1984 , 38, 870	3.8	106
594	Ecological and genetic spatial structuring in the Canadian lynx. <i>Nature</i> , 2003 , 425, 69-72	50.4	104
593	Life-history traits of voles in a fluctuating population respond to the immediate environment. <i>Nature</i> , 2001 , 411, 1043-5	50.4	103
592	Relationships between biomass and plant species richness in arid-zone grazing lands. <i>Journal of Applied Ecology</i> , 2001 , 38, 836-845	5.8	102
591	Multiple glacial refugia in the North American Arctic: inference from phylogeography of the collared lemming (<i>Dicrostonyx groenlandicus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2071-7	4.4	102
590	Climatic warming disrupts recurrent Alpine insect outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20576-81	11.5	101
589	Preventing the collapse of the Baltic cod stock through an ecosystem-based management approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14722-7	11.5	100
588	Bush cover and range condition assessments in relation to landscape and grazing in southern Ethiopia. <i>Landscape Ecology</i> , 2000 , 15, 535-546	4.3	100
587	Timing and synchrony of ovulation in red deer constrained by short northern summers. <i>American Naturalist</i> , 2004 , 163, 763-72	3.7	99
586	Trophic interactions under climate fluctuations: the Atlantic puffin as an example. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 1461-6	4.4	99
585	Natural regulation of herbivorous forest insect populations. <i>Oecologia</i> , 1987 , 71, 174-184	2.9	99
584	Red Queen: from populations to taxa and communities. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 349-58	10.9	98
583	Major pathways by which climate may force marine fish populations. <i>Journal of Marine Systems</i> , 2010 , 79, 343-360	2.7	97
582	King penguin population threatened by Southern Ocean warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2493-7	11.5	97

581	Four decades of opposing natural and human-induced artificial selection acting on Windermere pike (<i>Esox lucius</i>). <i>Ecology Letters</i> , 2007 , 10, 512-21	10	97
580	Long-term responses in arctic ungulate dynamics to changes in climatic and trophic processes. <i>Population Ecology</i> , 2002 , 44, 113-120	2.1	97
579	Population dynamics in changing environments: the case of an eruptive forest pest species. <i>Biological Reviews</i> , 2012 , 87, 34-51	13.5	96
578	EFFECTS OF DENSITY-DEPENDENT AND STOCHASTIC PROCESSES ON THE REGULATION OF COD POPULATIONS. <i>Ecology</i> , 2001 , 82, 567-579	4.6	95
577	New Perspectives on Sustainable Grazing Management in Arid Zones of Sub-Saharan Africa. <i>BioScience</i> , 2000 , 50, 35	5.7	95
576	Population dynamics of the Indian meal moth: demographic stochasticity and delayed regulatory mechanisms. <i>Journal of Animal Ecology</i> , 1998 , 67, 110-126	4.7	94
575	Phylogeography of red deer (<i>Cervus elaphus</i>) in Europe. <i>Journal of Biogeography</i> , 2009 , 36, 66-77	4.1	93
574	A gradient from stable to cyclic populations of <i>Clethrionomys rufocanus</i> in Hokkaido, Japan. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1996 , 263, 1117-26	4.4	93
573	What is blue growth? The semantics of Sustainable Development of marine environments. <i>Marine Policy</i> , 2018 , 87, 177-179	3.5	92
572	Plague and climate: scales matter. <i>PLoS Pathogens</i> , 2011 , 7, e1002160	7.6	91
571	Climate predictability and breeding phenology in red deer: timing and synchrony of rutting and calving in Norway and France. <i>Journal of Animal Ecology</i> , 2005 , 74, 579-588	4.7	91
570	Warming-induced shift in European mushroom fruiting phenology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14488-93	11.5	90
569	Patterns of reproductive effort in male ungulates. <i>Journal of Zoology</i> , 2004 , 264, 209-215	2	90
568	A new geographical gradient in vole population dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 1547-52	4.4	89
567	Heterogeneity in individual quality overrides costs of reproduction in female reindeer. <i>Oecologia</i> , 2008 , 156, 237-47	2.9	87
566	Good reindeer mothers live longer and become better in raising offspring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 1239-44	4.4	87
565	Pros and cons of using seabirds as ecological indicators. <i>Climate Research</i> , 2009 , 39, 115-129	1.6	87
564	The ideal free pike: 50 years of fitness-maximizing dispersal in Windermere. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2917-24	4.4	86

563	Atlantic climate governs oceanographic and ecological variability in the Barents Sea. <i>Limnology and Oceanography</i> , 2001 , 46, 1774-1780	4.8	85
562	Drivers of change in China's energy-related CO emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29-36	11.5	85
561	Large-scale habitat variability, delayed density effects and red deer populations in Norway. <i>Journal of Animal Ecology</i> , 2002 , 71, 569-580	4.7	84
560	Genome architecture enables local adaptation of Atlantic cod despite high connectivity. <i>Molecular Ecology</i> , 2017 , 26, 4452-4466	5.7	83
559	Thousand-year-long Chinese time series reveals climatic forcing of decadal locust dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16188-93	11.5	82
558	Human ectoparasites and the spread of plague in Europe during the Second Pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1304-1309	11.5	81
557	Convergent temporal dynamics of the human infant gut microbiota. <i>ISME Journal</i> , 2010 , 4, 151-8	11.9	81
556	Predator transitory spillover induces trophic cascades in ecological sinks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8185-9	11.5	81
555	The impact of specialized enemies on the dimensionality of host dynamics. <i>Nature</i> , 2001 , 409, 1001-6	50.4	81
554	Multiple causes of sexual segregation in European red deer: enlightenments from varying breeding phenology at high and low latitude. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 883-92	4.4	80
553	Age-specific changes in different components of reproductive output in female reindeer: terminal allocation or senescence?. <i>Oecologia</i> , 2010 , 162, 261-71	2.9	79
552	Drought-induced decline in Mediterranean truffle harvest. <i>Nature Climate Change</i> , 2012 , 2, 827-829	21.4	78
551	The population dynamics of the vole <i>Clethrionomys rufocanus</i> in Hokkaido, Japan. <i>Researches on Population Ecology</i> , 1998 , 40, 61-76		78
550	Periodic climate cooling enhanced natural disasters and wars in China during AD 10-1900. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 3745-53	4.4	77
549	Lower extinction risk in sleep-or-hide mammals. <i>American Naturalist</i> , 2009 , 173, 264-72	3.7	76
548	Density Dependence in Fluctuating Grey-Sided Vole Populations. <i>Journal of Animal Ecology</i> , 1997 , 66, 14	4.7	76
547	Analysing multiple time series and extending significance testing in wavelet analysis. <i>Marine Ecology - Progress Series</i> , 2008 , 359, 11-23	2.6	76
546	Spatial scale of genetic structuring in coastal cod <i>Gadus morhua</i> and geographic extent of local populations. <i>Marine Ecology - Progress Series</i> , 2007 , 343, 229-237	2.6	75

545	Environmental gradients in the Turkwel riverine forest, Kenya: Hypotheses on dam-induced vegetation change. <i>Forest Ecology and Management</i> , 2005 , 212, 184-198	3.9	73
544	Glacial survival of the Norwegian lemming (<i>Lemmus lemmus</i>) in Scandinavia: inference from mitochondrial DNA variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 809-14	4.4	73
543	Interspecific and intraspecific competition as causes of direct and delayed density dependence in a fluctuating vole population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 986-91	11.5	73
542	Synergistic effects of fishing-induced demographic changes and climate variation on fish population dynamics. <i>Marine Ecology - Progress Series</i> , 2011 , 426, 1-12	2.6	73
541	Transport of North Sea cod larvae into the Skagerrak coastal populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 1337-44	4.4	71
540	Ecological forecasting under climate change: the case of Baltic cod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 2121-30	4.4	70
539	Climatically driven synchrony of gerbil populations allows large-scale plague outbreaks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 1963-9	4.4	70
538	Wolf reintroduction to Scotland: public attitudes and consequences for red deer management. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 995-1002	4.4	69
537	Demographic dynamics of a neotropical small rodent (<i>Phyllotis darwini</i>): feedback structure, predation and climatic factors. <i>Journal of Animal Ecology</i> , 2001 , 70, 761-775	4.7	69
536	The cryptic African wolf: <i>Canis aureus lupaster</i> is not a golden jackal and is not endemic to Egypt. <i>PLoS ONE</i> , 2011 , 6, e16385	3.7	69
535	Fatal attraction: vegetation responses to nutrient inputs attract herbivores to infectious anthrax carcass sites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	68
534	Climate change and spring-fruited fungi. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1169-77	4.4	68
533	Competition among fishermen and fish causes the collapse of Barents Sea capelin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11679-84	11.5	68
532	Overfishing of top predators eroded the resilience of the Black Sea system regardless of the climate and anthropogenic conditions. <i>Global Change Biology</i> , 2011 , 17, 1251-1265	11.4	67
531	History matters: ecometrics and integrative climate change biology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1131-40	4.4	67
530	Constraints to projecting the effects of climate change on mammals. <i>Climate Research</i> , 2006 , 32, 151-158.6		67
529	Shifting dynamic forces in fish stock fluctuations triggered by age truncation?. <i>Global Change Biology</i> , 2011 , 17, 3046-3057	11.4	66
528	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013 , 118, 625-640	4.5	65

527	Reconstruction of a 1,910-y-long locust series reveals consistent associations with climate fluctuations in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14521-6	11.5	65
526	Food web dynamics affect Northeast Arctic cod recruitment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 661-9	4.4	65
525	Dynamics of coastal cod populations: intra- and intercohort density dependence and stochastic processes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999 , 266, 1645-1654	4.4	65
524	The role of biotic forces in driving macroevolution: beyond the Red Queen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20150186	4.4	64
523	Seasonal forcing on the dynamics of <i>Clethrionomys rufocanus</i> : Modeling geographic gradients in population dynamics. <i>Researches on Population Ecology</i> , 1998 , 40, 85-95		64
522	Extrinsic Modification of Vertebrate Sex Ratios by Climatic Variation. <i>American Naturalist</i> , 1999 , 154, 194-204	3.7	64
521	Snow conditions may create an invisible barrier for lynx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 10632-4	11.5	63
520	Cryptic population structure in a large, mobile mammalian predator: the Scandinavian lynx. <i>Molecular Ecology</i> , 2003 , 12, 2623-33	5.7	63
519	Evolution of Optimal Group Attack, with Particular Reference to Bark Beetles (Coleoptera: Scolytidae). <i>Ecology</i> , 1985 , 66, 898-903	4.6	63
518	Egg distribution, bottom topography and small-scale cod population structure in a coastal marine system. <i>Marine Ecology - Progress Series</i> , 2007 , 333, 249-255	2.6	63
517	Spawning stock and recruitment in North Sea cod shaped by food and climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 504-10	4.4	62
516	Temperature-driven regime shifts in the dynamics of size-structured populations. <i>American Naturalist</i> , 2011 , 177, 211-23	3.7	62
515	Ecometrics: the traits that bind the past and present together. <i>Integrative Zoology</i> , 2010 , 5, 88-101	1.9	62
514	Estimating the functional form for the density dependence from life history data. <i>Ecology</i> , 2008 , 89, 1661-74	4.7	62
513	Complex interplays among population dynamics, environmental forcing, and exploitation in fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5420-5	11.5	62
512	Population dynamics of <i>Clethrionomys glareolus</i> and <i>Apodemus flavicollis</i> : seasonal components of density dependence and density independence. <i>Acta Theriologica</i> , 2002 , 47, 39-67		62
511	Reduced rank stochastic regression with a sparse singular value decomposition. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2012 , 74, 203-221	3.9	61
510	The biology of the vole <i>Clethrionomys rufocanus</i> : A review. <i>Researches on Population Ecology</i> , 1998 , 40, 21-37		61

509	Density dependence and density independence during the early life stages of four marine fish stocks. <i>Ecology</i> , 2007 , 88, 625-34	4.6	61
508	Climate-dependent allocation of resources to secondary sexual traits in red deer. <i>Oikos</i> , 2005 , 111, 245-252		61
507	A general version of optimal foraging theory: The effect of simultaneous encounters. <i>Theoretical Population Biology</i> , 1984 , 26, 192-204	1.2	61
506	Modelling non-additive and nonlinear signals from climatic noise in ecological time series: Soay sheep as an example. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 1985-93	4.4	60
505	Temperature and rainfall anomalies in Africa predict timing of spring migration in trans-Saharan migratory birds. <i>Climate Research</i> , 2007 , 35, 123-134	1.6	60
504	Climate and population density drive changes in cod body size throughout a century on the Norwegian coast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 1961-6	11.5	59
503	Mapping the regional transition to cyclicity in <i>Clethrionomys rufocanus</i> : Spectral densities and functional data analysis. <i>Researches on Population Ecology</i> , 1998 , 40, 77-84		59
502	Phase- and density-dependent population dynamics in Norwegian lemmings: interaction between deterministic and stochastic processes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 1957-68	4.4	59
501	Climate-driven variation in mosquito density predicts the spatiotemporal dynamics of dengue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3624-3629	11.5	58
500	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, 2359-68	5.8	58
499	Towards an acoustic-based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. <i>Fish and Fisheries</i> , 2013 , 14, 605-615	6	57
498	Hydrography of the southern Bay of Biscay shelf-break region: Integrating the multiscale physical variability over the period 1993-2003. <i>Journal of Geophysical Research</i> , 2006 , 111,		57
497	Twelve years of change in coastal upwelling along the central-northern coast of Chile: spatially heterogeneous responses to climatic variability. <i>PLoS ONE</i> , 2014 , 9, e90276	3.7	56
496	Chihuahuan Desert kangaroo rats: nonlinear effects of population dynamics, competition, and rainfall. <i>Ecology</i> , 2008 , 89, 2594-603	4.6	56
495	Natal dispersal, interactions among siblings and intrasexual competition. <i>Behavioral Ecology</i> , 2006 , 17, 733-740	2.3	56
494	Decelerating and sex-dependent tooth wear in Norwegian red deer. <i>Oecologia</i> , 2003 , 135, 346-53	2.9	56
493	Does increasing mortality change the response of fish populations to environmental fluctuations?. <i>Ecology Letters</i> , 2012 , 15, 658-65	10	55
492	Large-scale sequence analyses of Atlantic cod. <i>New Biotechnology</i> , 2009 , 25, 263-71	6.4	55

491	Small-scale biocomplexity in coastal Atlantic cod supporting a Darwinian perspective on fisheries management. <i>Evolutionary Applications</i> , 2008 , 1, 524-33	4.8	55
490	Indirect climatic forcing of the Barents Sea capelin: a cohort effect. <i>Marine Ecology - Progress Series</i> , 2004 , 273, 229-238	2.6	55
489	Monitoring Population Size of Red Deer <i>Cervus Elaphus</i> : An Evaluation of Two Types of Census Data from Norway. <i>Wildlife Biology</i> , 2007 , 13, 285-298	1.7	54
488	Phase transitions in marine fish recruitment processes. <i>Ecological Complexity</i> , 2005 , 2, 205-218	2.6	54
487	Climatic change as an engine for speciation in flightless Orthoptera species inhabiting African mountains. <i>Molecular Ecology</i> , 2009 , 18, 93-108	5.7	53
486	DENSITY DEPENDENCE IN NORTH AMERICAN DUCKS. <i>Ecology</i> , 2005 , 86, 245-254	4.6	53
485	Climate-driven range shifts of the king penguin in a fragmented ecosystem. <i>Nature Climate Change</i> , 2018 , 8, 245-251	21.4	52
484	Economic repercussions of fisheries-induced evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12259-64	11.5	52
483	Temporal shifts in recruitment dynamics of North Atlantic fish stocks: effects of spawning stock and temperature. <i>Marine Ecology - Progress Series</i> , 2013 , 480, 205-225	2.6	52
482	Nonlinear effect of climate on plague during the third pandemic in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10214-9	11.5	52
481	Spatial anatomy of species survival: effects of predation and climate-driven environmental variability. <i>Ecology</i> , 2007 , 88, 635-46	4.6	52
480	The Response of Terrestrial Ecosystems to Climate Variability Associated with the North Atlantic Oscillation. <i>Geophysical Monograph Series</i> , 2003 , 235-262	1.1	52
479	Population dynamics of a South American rodent: seasonal structure interacting with climate, density dependence and predator effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2579-86	4.4	52
478	From genes to populations: how fisheries-induced evolution alters stock productivity. <i>Ecological Applications</i> , 2015 , 25, 1860-8	4.9	51
477	Small-scale genetic structure in a marine population in relation to water circulation and egg characteristics. <i>Ecology</i> , 2010 , 91, 2918-30	4.6	51
476	Human plague in the USA: the importance of regional and local climate. <i>Biology Letters</i> , 2008 , 4, 737-40	3.6	51
475	DENSITY-DEPENDENT COMPENSATION IN BLOWFLY POPULATIONS GIVE INDIRECTLY POSITIVE EFFECTS OF A TOXICANT. <i>Ecology</i> , 2002 , 83, 1597-1603	4.6	51
474	Mushroom's spore size and time of fruiting are strongly related: is moisture important?. <i>Biology Letters</i> , 2011 , 7, 273-6	3.6	50

473	Activity pattern of arctic reindeer in a predator-free environment: no need to keep a daily rhythm. <i>Oecologia</i> , 2007 , 152, 617-24	2.9	50
472	Regime shifts in the breeding of an Atlantic puffin population. <i>Ecology Letters</i> , 2004 , 7, 388-394	10	50
471	Population dynamics of small mammals in semi-arid regions: a comparative study of demographic variability in two rodent species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 1997-2007	4.1	50
470	Interaction Dynamics of Bark Beetle Aggregation and Conifer Defense Rates. <i>Oikos</i> , 1989 , 56, 256	4	49
469	Dynamics of the plague-wildlife-human system in Central Asia are controlled by two epidemiological thresholds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14527-32	11.5	48
468	Social rank, feeding and winter weight loss in red deer: any evidence of interference competition?. <i>Oecologia</i> , 2004 , 138, 135-42	2.9	48
467	Recruitment of walleye pollock in a physically and biologically complex ecosystem: A new perspective. <i>Progress in Oceanography</i> , 2005 , 67, 24-42	3.8	48
466	Bathymetric barriers promoting genetic structure in the deepwater demersal fish tusk (<i>Brosme brosme</i>). <i>Molecular Ecology</i> , 2009 , 18, 3151-62	5.7	47
465	Nine decades of decreasing phenotypic variability in Atlantic cod. <i>Ecology Letters</i> , 2009 , 12, 622-31	10	47
464	Testing five hypotheses of sexual segregation in an arctic ungulate. <i>Journal of Animal Ecology</i> , 2006 , 75, 485-96	4.7	47
463	Climate change causing phase transitions of walleye pollock (<i>Theragra chalcogramma</i>) recruitment dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 1735-43	4.4	47
462	Snowshoe hare populations: squeezed from below and above. <i>Science</i> , 1995 , 269, 1061-2	33.3	47
461	Roles of density-dependent growth and life history evolution in accounting for fisheries-induced trait changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 15030-15035	11.5	47
460	Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21st Century: Information for Policy Makers. <i>Infrastructure Asset Management</i> , 2014 , 1, 78-109	1.8	46
459	Home range of European lobster (<i>Homarus gammarus</i>) in a marine reserve: implications for future reserve design. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 1197-1210	2.4	46
458	Moose harvesting strategies in the presence of wolves. <i>Journal of Applied Ecology</i> , 2005 , 42, 389-399	5.8	46
457	DENSITY DEPENDENCE IN VOLES AND MICE: A COMPARATIVE STUDY. <i>Ecology</i> , 1999 , 80, 638-650	4.6	46
456	Spatial Heterogeneity and Population Stability: Some Evolutionary Consequences. <i>Oikos</i> , 1980 , 35, 165	4	46

455	Stage-specific biomass overcompensation by juveniles in response to increased adult mortality in a wild fish population. <i>Ecology</i> , 2011 , 92, 2175-82	4.6	45
454	Spare the Young Fish: Optimal Harvesting Policies for North-East Arctic Cod. <i>Environmental and Resource Economics</i> , 2010 , 47, 455-475	4.4	45
453	Modeling the epidemiological history of plague in Central Asia: palaeoclimatic forcing on a disease system over the past millennium. <i>BMC Biology</i> , 2010 , 8, 112	7.3	45
452	Survival-variation within and between functional categories of the African multimammate rat. <i>Journal of Animal Ecology</i> , 1999 , 68, 550-561	4.7	45
451	Fish and oil in the Lofoten-Barents Sea system: synoptic review of the effect of oil spills on fish populations. <i>Marine Ecology - Progress Series</i> , 2007 , 339, 283-299	2.6	45
450	Ancient DNA reveals the Arctic origin of Viking Age cod from Haithabu, Germany. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9152-9157	11.5	44
449	Life-history variation among local populations of Atlantic cod from the Norwegian Skagerrak coast. <i>Journal of Fish Biology</i> , 2004 , 64, 1725-1730	1.9	44
448	Limit cycles in Norwegian lemmings: tensions between phase-dependence and density-dependence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997 , 264, 31-38	4.4	43
447	Population genetic structure in the North Atlantic Greenland halibut (<i>Reinhardtius hippoglossoides</i>): influenced by oceanic current systems?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007 , 64, 857-866	2.4	43
446	The effect of climatic forcing on population synchrony and genetic structuring of the Canadian lynx. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6056-61	11.5	43
445	Sub-saharan desertification and productivity are linked to hemispheric climate variability. <i>Global Change Biology</i> , 2001 , 7, 241-246	11.4	43
444	Demographic strategies in fluctuating populations of small rodents. <i>Oecologia</i> , 1978 , 33, 149-172	2.9	43
443	Characterizing bird migration phenology using data from standardized monitoring at bird observatories. <i>Climate Research</i> , 2007 , 35, 59-77	1.6	43
442	Interannual cycles of Hantaan virus outbreaks at the human-animal interface in Central China are controlled by temperature and rainfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8041-8046	11.5	42
441	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		42
440	Continuous and discrete extreme climatic events affecting the dynamics of a high-arctic reindeer population. <i>Oecologia</i> , 2005 , 145, 556-63	2.9	42
439	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	4.7	42
438	Microtine Density and Weather as Predictors of Chick Production in Willow Ptarmigan, <i>Lagopus l. lagopus</i> . <i>Oikos</i> , 1988 , 51, 367	4	42

437	Spatial patterns of the temporal dynamics of three gadoid species along the Norwegian Skagerrak coast. <i>Marine Ecology - Progress Series</i> , 1997 , 155, 209-222	2.6	42
436	Plague: A Disease Which Changed the Path of Human Civilization. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 918, 1-26	3.6	42
435	King penguin demography since the last glaciation inferred from genome-wide data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	41
434	Reconciling taxon senescence with the Red Queen's hypothesis. <i>Nature</i> , 2017 , 552, 92-95	50.4	41
433	Home range and elevated egg densities within an inshore spawning ground of coastal cod. <i>ICES Journal of Marine Science</i> , 2007 , 64, 920-928	2.7	41
432	Early onset of reproductive senescence in domestic sheep <i>Ovis aries</i> . <i>Oikos</i> , 2002 , 97, 177-183	4	41
431	Chronoecology: New Light Through Old Windows [A Conclusion]. <i>Ecological Studies</i> , 2000 , 275-284	1.1	41
430	Long-term fluctuations in cod and pollack along the Norwegian Skagerrak coast. <i>Marine Ecology - Progress Series</i> , 1998 , 162, 265-278	2.6	41
429	Integrative approach using genomes to revisit the historical landscape of plague during the Medieval Period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11790-E11797	11.5	41
428	Wet climate and transportation routes accelerate spread of human plague. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20133159	4.4	40
427	Effects of climate change on trait-based dynamics of a top predator in freshwater ecosystems. <i>American Naturalist</i> , 2014 , 183, 243-56	3.7	40
426	Trophic interactions in population cycles of voles and lemmings: A model-based synthesis. <i>Advances in Ecological Research</i> , 2003 , 33, 75-160	4.6	40
425	Population dynamics of large and small mammals. <i>Oikos</i> , 2001 , 92, 3-12	4	40
424	On the evolutionary stability of the female-biased sex ratio in the wood lemming (<i>Myopus schisticolor</i>): the effect of inbreeding. <i>Heredity</i> , 1978 , 41, 205-14	3.6	40
423	Climate and fishing steer ecosystem regeneration to uncertain economic futures. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142809	4.4	39
422	Spatiotemporal statistical analyses reveal predator-driven zooplankton fluctuations in the Barents Sea. <i>Progress in Oceanography</i> , 2014 , 120, 243-253	3.8	39
421	Direct and indirect climate forcing in a multi-species marine system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 3411-20	4.4	39
420	Transcriptional regulation in liver and testis associated with developmental and reproductive effects in male zebrafish exposed to natural mixtures of persistent organic pollutants (POP). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009 , 72, 112-30	3.2	39

419	The Tropics: Cradle or Museum?. <i>Oikos</i> , 1984 , 43, 417	4	39
418	A long-term perspective on the Chrysochromulina bloom on the Norwegian Skagerrak coast 1988: a catastrophe or an innocent incident?. <i>Marine Ecology - Progress Series</i> , 2000 , 207, 201-218	2.6	39
417	The timing of male reproductive effort relative to female ovulation in a capital breeder. <i>Journal of Animal Ecology</i> , 2008 , 77, 469-77	4.7	38
416	Population ecology and conservation of endangered megafauna: the case of European bison in BiaÅwieÅ Primeval Forest, Poland. <i>Animal Conservation</i> , 2007 , 10, 77-87	3.2	38
415	Traditional Ecological Knowledge of a Riverine Forest in Turkana, Kenya: Implications for Research and Management. <i>Biodiversity and Conservation</i> , 2007 , 16, 1471-1489	3.4	38
414	Survival in fluctuating bank vole populations: seasonal and yearly variations. <i>Oikos</i> , 2002 , 98, 467-479	4	38
413	Where Have All the Species Gone? On the Nature of Extinction and the Red Queen Hypothesis. <i>Oikos</i> , 1979 , 33, 196	4	38
412	Urbanization prolongs hantavirus epidemics in cities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4707-4712	11.5	37
411	Ethnolinguistic structuring of sorghum genetic diversity in Africa and the role of local seed systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14100-5	11.5	37
410	Periodic temperature-associated drought/flood drives locust plagues in China. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 823-31	4.4	37
409	Consensus on climate change. <i>Trends in Ecology and Evolution</i> , 2005 , 20, 648-9	10.9	37
408	Comparing strategies for controlling an African pest rodent: an empirically based theoretical study. <i>Journal of Applied Ecology</i> , 2001 , 38, 1020-1031	5.8	37
407	Mechanisms for delayed density-dependent reproductive traits in field voles, <i>Microtus agrestis</i> : the importance of inherited environmental effects. <i>Oikos</i> , 2001 , 95, 185-197	4	37
406	Phase coupling and synchrony in the spatiotemporal dynamics of muskrat and mink populations across Canada. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 13149-54	11.5	37
405	Metastability of forest ecosystems infested by bark beetles. <i>Researches on Population Ecology</i> , 1984 , 26, 13-29		37
404	Reproductive Effort and Optimal Reproductive Rates in Small Rodents. <i>Oikos</i> , 1980 , 34, 23	4	37
403	Quantifying the ocean, freshwater and human effects on year-to-year variability of one-sea-winter Atlantic salmon angled in multiple Norwegian rivers. <i>PLoS ONE</i> , 2011 , 6, e24005	3.7	37
402	Age-specific feeding cessation in male red deer during rut. <i>Journal of Zoology</i> , 2008 , 275, 407-412	2	36

401	DENSITY DEPENDENCE AND DENSITY INDEPENDENCE IN THE DEMOGRAPHY AND DISPERSAL OF PIKE OVER FOUR DECADES. <i>Ecological Monographs</i> , 2007 , 77, 483-502	9	36
400	Interactions between demography and environmental effects are important determinants of population dynamics. <i>Science Advances</i> , 2017 , 3, e1602298	14.3	35
399	Lethal exposure: An integrated approach to pathogen transmission via environmental reservoirs. <i>Scientific Reports</i> , 2016 , 6, 27311	4.9	35
398	Nutrient reduction and climate change cause a potential shift from pelagic to benthic pathways in a eutrophic marine ecosystem. <i>Global Change Biology</i> , 2012 , 18, 3491-3503	11.4	35
397	Contemporary ocean warming and freshwater conditions are related to later sea age at maturity in Atlantic salmon spawning in Norwegian rivers. <i>Ecology and Evolution</i> , 2012 , 2, 2192-203	2.8	35
396	Changes in selection and evolutionary responses in migratory brown trout following the construction of a fish ladder. <i>Evolutionary Applications</i> , 2008 , 1, 319-35	4.8	35
395	Ecological and genetic impact of Atlantic cod larval drift in the Skagerrak. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 1085-92	4.4	35
394	The dynamics of <i>Chrysochromulina</i> species in the Skagerrak in relation to environmental conditions. <i>Journal of Sea Research</i> , 2005 , 54, 15-24	1.9	35
393	Causes and consequences of past and projected Scandinavian summer temperatures, 500-2100 AD. <i>PLoS ONE</i> , 2011 , 6, e25133	3.7	35
392	The North Atlantic Oscillation and ecology: links between historical time-series, and lessons regarding future climate warming. <i>Climate Research</i> , 2007 , 34, 259-262	1.6	35
391	The Third Plague Pandemic in Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20182429	4.4	34
390	Seasonal effects of Pacific-based climate on recruitment in a predator-limited large herbivore. <i>Journal of Animal Ecology</i> , 2010 , 79, 471-82	4.7	34
389	Maternal influences on offspring size variation and viability in wild European lobster <i>Homarus gammarus</i> . <i>Marine Ecology - Progress Series</i> , 2010 , 400, 165-173	2.6	34
388	Characterizing mixed microbial population dynamics using time-series analysis. <i>ISME Journal</i> , 2008 , 2, 707-15	11.9	34
387	Antagonistic selection from predators and pathogens alters food-web structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 19792-6	11.5	34
386	Scale-dependent effects of grazing on rangeland degradation in northern Kenya: a test of equilibrium and non-equilibrium hypotheses. <i>Land Degradation and Development</i> , 2003 , 14, 83-94	4.4	34
385	Spatio-temporal patterns of mink and muskrat in Canada during a quarter century. <i>Journal of Animal Ecology</i> , 2001 , 70, 671-682	4.7	34
384	Phylogeography and mitochondrial DNA (mtDNA) diversity in North American collared lemmings (<i>Dicrostonyx groenlandicus</i>). <i>Molecular Ecology</i> , 2000 , 9, 329-37	5.7	34

383	A NEW TEST FOR DENSITY-DEPENDENT SURVIVAL: THE CASE OF COASTAL COD POPULATIONS. <i>Ecology</i> , 1999 , 80, 1278-1288	4.6	34
382	Elevational range shifts in four mountain ungulate species from the Swiss Alps. <i>Ecosphere</i> , 2017 , 8, e01761	4.1	33
381	Body downsizing caused by non-consumptive social stress severely depresses population growth rate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 843-51	4.4	33
380	On Chitty's theory for fluctuating populations: the importance of genetic polymorphism in the generation of regular density cycles. <i>Journal of Theoretical Biology</i> , 1981 , 90, 9-36	2.3	33
379	Testing for effects of climate change on competitive relationships and coexistence between two bird species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20141958	4.4	32
378	European springtime temperature synchronises ibex horn growth across the eastern Swiss Alps. <i>Ecology Letters</i> , 2014 , 17, 303-13	10	32
377	Truffles and climate change. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 150-151	5.5	32
376	Web of ecological interactions in an experimental gut microbiota. <i>Environmental Microbiology</i> , 2010 , 12, 2677-87	5.2	32
375	Effects of environmental conditions on the seasonal distribution of phytoplankton biomass in the North Sea. <i>Limnology and Oceanography</i> , 2009 , 54, 512-524	4.8	32
374	COMPENSATORY GROWTH OF THE AFRICAN DWARF SHRUB INDIGOFERA SPINOSA FOLLOWING SIMULATED HERBIVORY 2000 , 10, 1133-1146		32
373	On evolutionarily stable strategies. <i>Journal of Theoretical Biology</i> , 1984 , 108, 491-508	2.3	32
372	Seasonal plankton dynamics along a cross-shelf gradient. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2831-8	4.4	31
371	The influence of advection on Calanus near Svalbard: statistical relations between salinity, temperature and copepod abundance. <i>Journal of Plankton Research</i> , 2007 , 29, 903-911	2.2	31
370	The ecological dynamics of hantavirus diseases: From environmental variability to disease prevention largely based on data from China. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0006901	4.8	30
369	Full circumpolar migration ensures evolutionary unity in the Emperor penguin. <i>Nature Communications</i> , 2016 , 7, 11842	17.4	30
368	Spores and soil from six sides: interdisciplinarity and the environmental biology of anthrax (<i>Bacillus anthracis</i>). <i>Biological Reviews</i> , 2018 , 93, 1813-1831	13.5	30
367	Interannual variability of human plague occurrence in the Western United States explained by tropical and North Pacific Ocean climate variability. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010 , 83, 624-32	3.2	30
366	Phenological and geographical patterns of walleye pollock (<i>Theragra chalcogramma</i>) spawning in the western Gulf of Alaska. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2007 , 64, 713-722	2.4	30

365	The population dynamics of Northeast Arctic cod (<i>Gadus morhua</i>) through two decades: an analysis based on survey data. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004 , 61, 1747-1755	2.4	30
364	LENGTH DYNAMICS IN JUVENILE COASTAL SKAGERRAK COD: EFFECTS OF BIOTIC AND ABIOTIC PROCESSES. <i>Ecology</i> , 2002 , 83, 1676-1688	4.6	30
363	Demography and population dynamics of the mouse opossum (<i>Thylamys elegans</i>) in semi-arid Chile: seasonality, feedback structure and climate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 2053-64	4.4	30
362	Impacts of habitat loss and fragmentation on the activity budget, ranging ecology and habitat use of Bale monkeys (<i>Chlorocebus djamdjamensis</i>) in the southern Ethiopian Highlands. <i>American Journal of Primatology</i> , 2017 , 79, e22644	2.5	29
361	Catastrophic dynamics limit Atlantic cod recovery. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20182877	4.4	29
360	Large-scale genetic structuring of a widely distributed carnivore--the Eurasian lynx (<i>Lynx lynx</i>). <i>PLoS ONE</i> , 2014 , 9, e93675	3.7	29
359	Pathogen-induced rapid evolution in a vertebrate life-history trait. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 35-41	4.4	29
358	Genetic structure of Siberian lemmings (<i>Lemmus sibiricus</i>) in a continuous habitat: large patches rather than isolation by distance. <i>Heredity</i> , 2001 , 86, 716-30	3.6	29
357	Habitat effects on population connectivity in a coastal seascape. <i>Marine Ecology - Progress Series</i> , 2014 , 511, 153-163	2.6	29
356	Games academics play and their consequences: how authorship, -index and journal impact factors are shaping the future of academia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20192047	4.4	29
355	Anthropogenically driven environmental changes shift the ecological dynamics of hemorrhagic fever with renal syndrome. <i>PLoS Pathogens</i> , 2017 , 13, e1006198	7.6	28
354	Contrasting evolutionary demography induced by fishing: the role of adaptive phenotypic plasticity 2014 , 24, 1101-14		28
353	Conservation, spillover and gene flow within a network of Northern European marine protected areas. <i>PLoS ONE</i> , 2013 , 8, e73388	3.7	28
352	Harvest-induced disruptive selection increases variance in fitness-related traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 4163-71	4.4	28
351	Quantitative trait evolution and environmental change. <i>PLoS ONE</i> , 2009 , 4, e4521	3.7	28
350	Spatial structure of lemming populations (<i>Dicrostonyx groenlandicus</i>) fluctuating in density. <i>Molecular Ecology</i> , 2001 , 10, 481-95	5.7	28
349	Effects of a toxicant on population growth rates: sublethal and delayed responses in blowfly populations. <i>Functional Ecology</i> , 2001 , 15, 712-721	5.6	28
348	Long live the alien: is high genetic diversity a pivotal aspect of crested porcupine (<i>Hystrix cristata</i>) long-lasting and successful invasion?. <i>Molecular Ecology</i> , 2016 , 25, 3527-39	5.7	27

347	Fundamental population-productivity relationships can be modified through density-dependent feedbacks of life-history evolution. <i>Evolutionary Applications</i> , 2014 , 7, 1218-25	4.8	27
346	Spatial variability of the plankton trophic interaction in the North Sea: a new feature after the early 1970s. <i>Global Change Biology</i> , 2012 , 18, 106-117	11.4	27
345	Trophic interactions affecting a key ecosystem component: a multistage analysis of the recruitment of the Barents Sea capelin (<i>Mallotus villosus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010 , 67, 1363-1375	2.4	27
344	Relationship between increase rate of human plague in China and global climate index as revealed by cross-spectral and cross-wavelet analyses. <i>Integrative Zoology</i> , 2007 , 2, 144-153	1.9	27
343	On the Evolution of Reproductive Rates in Microtine Rodents. <i>Ecology</i> , 1985 , 66, 1795-1808	4.6	27
342	The trophic responses of two different rodent-vector-plague systems to climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20141846	4.4	26
341	Population effects and changes in life history traits in relation to phase transitions induced by long-term fishery harvesting: European hake (<i>Merluccius merluccius</i>) off the Balearic Islands. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 1355-1370	2.4	26
340	The ecology and evolution of tooth wear in red deer and moose. <i>Oikos</i> , 2007 , 116, 1805-1818	4	26
339	Feedback structures of northern small rodent populations. <i>Oikos</i> , 2006 , 112, 555-564	4	26
338	On the interaction between stabilizing social factors and destabilizing trophic factors in small rodent populations. <i>Theoretical Population Biology</i> , 1986 , 29, 365-384	1.2	26
337	Activity patterns of wild European lobster <i>Homarus gammarus</i> in coastal marine reserves: implications for future reserve design. <i>Marine Ecology - Progress Series</i> , 2011 , 429, 197-207	2.6	26
336	Human plague: An old scourge that needs new answers. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008851		26
335	Rediscovering a forgotten canid species. <i>BMC Zoology</i> , 2017 , 2,	1.8	25
334	Newly discovered Bale monkey populations in forest fragments in southern Ethiopia: evidence of crop raiding, hybridization with grivets, and other conservation threats. <i>American Journal of Primatology</i> , 2012 , 74, 423-32	2.5	25
333	Linking climate change to population cycles of hares and lynx. <i>Global Change Biology</i> , 2013 , 19, 3263-71	11.4	25
332	Non-cooperative exploitation of multi-cohort fisheries: The role of gear selectivity in the North-East Arctic cod fishery. <i>Resources and Energy Economics</i> , 2010 , 32, 78-92	3.2	25
331	Divergent trends in anadromous salmonid populations in Norwegian and Scottish rivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 1021-7	4.4	25
330	A combination of hydrodynamical and statistical modelling reveals non-stationary climate effects on fish larvae distributions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 275-83	4.4	25

329	Ocean climate prior to breeding affects the duration of the nestling period in the Atlantic puffin. <i>Biology Letters</i> , 2006 , 2, 628-31	3.6	25
328	Evaluation of the Use of Visible Implant Tags in Age-0 Atlantic Cod. <i>North American Journal of Fisheries Management</i> , 2004 , 24, 282-286	1.1	25
327	On the economic benefit of predicting rodent outbreaks in agricultural systems. <i>Crop Protection</i> , 2004 , 23, 305-314	2.7	25
326	Reproductive asynchrony increases with environmental disturbance. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 830-4	3.8	25
325	Spatio-temporal dynamics of species richness in coastal fish communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 1781-9	4.4	25
324	Bootstrap estimated uncertainty of the dominant Lyapunov exponent for Holarctic microtine rodents. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995 , 261, 159-65	4.4	25
323	Stochasticity and determinism: how density-independent and density-dependent processes affect population variability. <i>PLoS ONE</i> , 2014 , 9, e98940	3.7	24
322	Trees wanted--dead or alive! Host selection and population dynamics in tree-killing bark beetles. <i>PLoS ONE</i> , 2011 , 6, e18274	3.7	24
321	Emergence, spread, persistence and fade-out of sylvatic plague in Kazakhstan. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2915-23	4.4	24
320	Voles and lemmings: chaos and uncertainty in fluctuating populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995 , 262, 363-370	4.4	24
319	How to Control Pest Species: Application of Models from the Theory of Island Biogeography in Formulating Pest Control Strategies. <i>Journal of Applied Ecology</i> , 1981 , 18, 773	5.8	24
318	DNA Metabarcoding Reveals Diet Overlap between the Endangered Walia Ibex and Domestic Goats - Implications for Conservation. <i>PLoS ONE</i> , 2016 , 11, e0159133	3.7	24
317	Ecological non-monotonicity and its effects on complexity and stability of populations, communities and ecosystems. <i>Ecological Modelling</i> , 2015 , 312, 374-384	3	23
316	Dietary flexibility of Bale monkeys (<i>Chlorocebus djamdjamensis</i>) in southern Ethiopia: effects of habitat degradation and life in fragments. <i>BMC Ecology</i> , 2018 , 18, 4	2.7	23
315	Scale-dependent climatic drivers of human epidemics in ancient China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12970-12975	11.5	23
314	Six decades of pike and perch population dynamics in Windermere. <i>Fisheries Research</i> , 2011 , 109, 131-132.3	2.3	23
313	Interacting effect of wolves and climate on recruitment in a northern mountain caribou population. <i>Oikos</i> , 2010 , 119, 1453-1461	4	23
312	Frontiers in population ecology of microtine rodents: A pluralistic approach to the study of population ecology. <i>Researches on Population Ecology</i> , 1998 , 40, 5-20		23

311	Parasites and supernormal manipulation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 2551-8	4.4	23
310	MANAGEMENT OF CHAMOIS (RUPICAPRA RUPICAPRA) MOVING BETWEEN A PROTECTED CORE AREA AND A HUNTING AREA 2002 , 12, 1199-1211		23
309	Dispersal and the microtine cycle: comparison of two hypotheses. <i>Oecologia</i> , 1985 , 65, 468-477	2.9	23
308	On the evolution of cannibalism. <i>Journal of Theoretical Biology</i> , 1985 , 115, 161-177	2.3	23
307	Marine Ecosystems and Climate Variation 2005 ,		23
306	Long-term decrease in Asian monsoon rainfall and abrupt climate change events over the past 6,700 years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	23
305	Biotic interactions and temporal dynamics of the human gastrointestinal microbiota. <i>ISME Journal</i> , 2015 , 9, 533-41	11.9	22
304	Evidence for a trade-off between early growth and tooth wear in Svalbard reindeer. <i>Journal of Animal Ecology</i> , 2007 , 76, 1139-48	4.7	22
303	Spatial variation in mink and muskrat interactions in Canada. <i>Oikos</i> , 2001 , 93, 365-375	4	22
302	Geographic variation in population cycles of Canadian muskrats (<i>Ondatra zibethicus</i>). <i>Canadian Journal of Zoology</i> , 2000 , 78, 1009-1016	1.5	22
301	Growth performance of exotic and indigenous tree species in saline soils in Turkana, Kenya. <i>Journal of Arid Environments</i> , 2001 , 47, 499-511	2.5	22
300	Effects of regime shifts on the population dynamics of the grey-sided vole in Hokkaido, Japan. <i>Climate Research</i> , 2006 , 32, 109-118	1.6	22
299	Global COVID-19 pandemic demands joint interventions for the suppression of future waves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26151-26157	11.5	22
298	Effect of a fish stock's demographic structure on offspring survival and sensitivity to climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1347-1352	11.5	21
297	Asymmetric ecological conditions favor Red-Queen type of continued evolution over stasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1847-52	11.5	21
296	Palindromic sequence artifacts generated during next generation sequencing library preparation from historic and ancient DNA. <i>PLoS ONE</i> , 2014 , 9, e89676	3.7	21
295	The pla gene, encoding plasminogen activator, is not specific to <i>Yersinia pestis</i> . <i>BMC Research Notes</i> , 2015 , 8, 535	2.3	21
294	Climate effects on population fluctuations of the white-throated dipper <i>Cinclus cinclus</i> . <i>Journal of Animal Ecology</i> , 2011 , 80, 235-43	4.7	21

293	Identification of Chinese plague foci from long-term epidemiological data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8196-201	11.5	21
292	Microtine ultradian rhythm of activity: an evaluation of different hypotheses on the triggering mechanism. <i>Mammal Review</i> , 1994 , 24, 17-39	5	21
291	Desert locust populations, rainfall and climate change: insights from phenomenological models using gridded monthly data. <i>Climate Research</i> , 2010 , 43, 229-239	1.6	21
290	A bio-economic analysis of harvest control rules for the Northeast Arctic cod fishery. <i>Marine Policy</i> , 2013 , 39, 172-181	3.5	20
289	Diversity, transmission and persistence of Escherichia coli in a cohort of mothers and their infants. <i>Environmental Microbiology Reports</i> , 2011 , 3, 352-9	3.7	20
288	An additional step in the transmission of Yersinia pestis?. <i>ISME Journal</i> , 2012 , 6, 231-6	11.9	20
287	Climatic forcing of zooplankton dynamics is stronger during low densities of planktivorous fish. <i>Limnology and Oceanography</i> , 2009 , 54, 1025-1036	4.8	20
286	Multivariate analysis of complex DNA sequence electropherograms for high-throughput quantitative analysis of mixed microbial populations. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 4975-83	4.8	20
285	Density dependence in blowfly populations: experimental evaluation of non-parametric time-series modelling. <i>Oikos</i> , 2002 , 98, 523-533	4	20
284	Interaction between seasonal density-dependence structures and length of the seasons explain the geographical structure of the dynamics of voles in Hokkaido: an example of seasonal forcing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 1853-63	4.4	20
283	Phase Dependence and Population Cycles in a Large-Mammal Predator-Prey System. <i>Ecology</i> , 2002 , 83, 2997	4.6	20
282	Do Grazers Maximize Individual Plant Fitness?. <i>Oikos</i> , 1978 , 31, 299	4	20
281	Influence of feeding conditions on breeding of African penguins Importance of adequate local food supplies. <i>Marine Ecology - Progress Series</i> , 2010 , 420, 263-271	2.6	20
280	Spatial variation in biodiversity loss across China under multiple environmental stressors. <i>Science Advances</i> , 2020 , 6,	14.3	20
279	Historical records reveal the distinctive associations of human disturbance and extreme climate change with local extinction of mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19001-19008	11.5	19
278	Circumpolar phylogeography of the northern pike (Esox lucius) and its relationship to the Amur pike (E. reichertii). <i>Frontiers in Zoology</i> , 2014 , 11,	2.8	19
277	Estimation of metagenome size and structure in an experimental soil microbiota from low coverage next-generation sequence data. <i>Journal of Applied Microbiology</i> , 2013 , 114, 141-51	4.7	19
276	Extension of the match-mismatch hypothesis to predator-controlled systems. <i>Marine Ecology - Progress Series</i> , 2013 , 474, 43-52	2.6	19

275	Context-dependent competition in a model gut bacterial community. <i>PLoS ONE</i> , 2013 , 8, e67210	3.7	19
274	Empirical assessment of a threshold model for sylvatic plague. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 649-57	4.1	19
273	Effects of acorn masting on population dynamics of three forest-dwelling rodent species in Hokkaido, Japan. <i>Population Ecology</i> , 2007 , 49, 249-256	2.1	19
272	Inter-specific synchrony of two contrasting ungulates: wild boar (<i>Sus scrofa</i>) and roe deer (<i>Capreolus capreolus</i>). <i>Oecologia</i> , 2007 , 151, 232-9	2.9	19
271	Interlinking hare and lynx dynamics using a century's worth of annual data. <i>Population Ecology</i> , 2008 , 50, 267-274	2.1	19
270	Seedling growth of <i>Acacia tortilis</i> and <i>Faidherbia albida</i> in response to simulated groundwater tables. <i>Forest Ecology and Management</i> , 2005 , 212, 367-375	3.9	19
269	Mechanisms of density dependence in fluctuating vole populations: deducing annual density dependence from seasonal processes. <i>Population Ecology</i> , 2003 , 45, 165-173	2.1	19
268	On the Charnov-Finerty Hypothesis: The Unproblematic Transition from Docile to Aggressive and the Problematic Transition from Aggressive to Docile. <i>Oikos</i> , 1990 , 58, 234	4	19
267	Dissolved oxygen in contrasting estuaries of the Bay of Biscay: effects of temperature, river discharge and chlorophyll a. <i>Marine Ecology - Progress Series</i> , 2010 , 418, 57-71	2.6	19
266	Spatial analysis of North Sea cod recruitment: concurrent effects of changes in spawning stock biomass, temperature and herring abundance. <i>Marine Ecology - Progress Series</i> , 2013 , 480, 263-275	2.6	19
265	Risk and vulnerability of Mongolian grasslands under climate change. <i>Environmental Research Letters</i> , 2021 , 16, 034035	6.2	19
264	Living with plague: Lessons from the Soviet Union's antiplague system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9155-9163	11.5	18
263	Context-dependent interplays between truncated demographies and climate variation shape the population growth rate of a harvested species. <i>Ecography</i> , 2012 , 35, 637-649	6.5	18
262	Centric fission in <i>Microtus oeconomus</i> . A chromosome study of isolated populations in Fennoscandia. <i>Hereditas</i> , 2009 , 92, 209-216	2.4	18
261	Phenotypic and environmental correlates of tooth eruption in red deer (<i>Cervus elaphus</i>). <i>Journal of Zoology</i> , 2004 , 262, 83-89	2	18
260	Burmann expansion and test for additivity. <i>Biometrika</i> , 2003 , 90, 209-222	2	18
259	Genetic Variability in Swayne's Hartebeest, an Endangered Antelope of Ethiopia. <i>Conservation Biology</i> , 2000 , 14, 254-264	6	18
258	ON THE EVOLUTION OF PSEUDOGAMY. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 294-307	3.8	18

257	Cannibalism in whitefish (<i>Coregonus lavaretus</i>). <i>Oecologia</i> , 1985 , 67, 566-571	2.9	18
256	The importance of population dynamics in heterogeneous landscapes: Management of vertebrate pests and some other animals. <i>Agro-Ecosystems</i> , 1981 , 7, 187-211		18
255	Easter Island: climate change might have contributed to past cultural and societal changes. <i>Climate Research</i> , 2009 , 39, 111-114	1.6	18
254	New perspectives on fish movement: kernel and GAM smoothers applied to a century of tagging data on coastal Atlantic cod. <i>Marine Ecology - Progress Series</i> , 2008 , 372, 231-241	2.6	18
253	Long-term decrease in sex-specific natural mortality of European lobster within a marine protected area. <i>Marine Ecology - Progress Series</i> , 2013 , 491, 153-164	2.6	18
252	Transmission dynamics of re-emerging rabies in domestic dogs of rural China. <i>PLoS Pathogens</i> , 2018 , 14, e1007392	7.6	18
251	Long-term pattern of population dynamics in the field vole from central Europe: cyclic pattern with amplitude dampening. <i>Population Ecology</i> , 2015 , 57, 581-589	2.1	17
250	Eco-evolutionary Red Queen dynamics regulate biodiversity in a metabolite-driven microbial system. <i>Scientific Reports</i> , 2017 , 7, 17655	4.9	17
249	Individual Heterogeneity in Use of Human Shields by Mountain Nyala. <i>Ethology</i> , 2014 , 120, 715-725	1.7	17
248	Expected future plague levels in a wildlife host under different scenarios of climate change. <i>Global Change Biology</i> , 2009 , 15, 500-507	11.4	17
247	Comment on "Rapid advance of spring arrival dates in long-distance migratory birds". <i>Science</i> , 2007 , 315, 598; author reply 598	33.3	17
246	Age-specific optimal diets and optimal foraging tactics: a life-historic approach. <i>Theoretical Population Biology</i> , 1989 , 36, 281-95	1.2	17
245	Ecological and Evolutionary Stability of Sperm-Dependent Parthenogenesis: Effects of Partial Niche Overlap between Sexual and Asexual Females. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 698	3.8	17
244	On the Evolution of Pseudogamy. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 294	3.8	17
243	Population growth across heterogeneous environments: effects of harvesting and age structure. <i>Marine Ecology - Progress Series</i> , 2013 , 480, 277-287	2.6	17
242	Spatio-temporal patterns in diversity of a fish assemblage along the Norwegian Skagerrak coast. <i>Marine Ecology - Progress Series</i> , 1999 , 178, 17-27	2.6	17
241	Genomic stability through time despite decades of exploitation in cod on both sides of the Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	17
240	Environmental drivers of varying selective optima in a small passerine: A multivariate, multiepisodic approach. <i>Evolution; International Journal of Organic Evolution</i> , 2018 , 72, 2325-2342	3.8	17

239	Cascading effects of mass mortality events in Arctic marine communities. <i>Global Change Biology</i> , 2017 , 23, 283-292	11.4	16
238	Assessing the role of live poultry trade in community-structured transmission of avian influenza in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5949-5954	11.5	16
237	Disentangling the mechanisms behind climate effects on zooplankton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1841-6	11.5	16
236	Combined effects of exploitation and temperature on fish stocks in the Northeast Atlantic. <i>ICES Journal of Marine Science</i> , 2014 , 71, 1554-1562	2.7	16
235	Temperature effects on <i>Calanus finmarchicus</i> vary in space, time and between developmental stages. <i>Marine Ecology - Progress Series</i> , 2014 , 517, 85-104	2.6	16
234	Combined statistical and mechanistic modelling suggests food and temperature effects on survival of early life stages of Northeast Arctic cod (<i>Gadus morhua</i>). <i>Progress in Oceanography</i> , 2015 , 134, 138-151	3.8	16
233	Effects of acorn abundance on density dependence in a Japanese wood mouse (<i>Apodemus speciosus</i>) population. <i>Population Ecology</i> , 2008 , 50, 159-167	2.1	16
232	Spatial and temporal woodland patterns along the lower Turkwel River, Kenya. <i>African Journal of Ecology</i> , 2003 , 41, 224-236	0.8	16
231	Diel vertical migration patterns in juvenile cod from the Skagerrak coast. <i>Marine Ecology - Progress Series</i> , 2010 , 405, 29-37	2.6	16
230	Non-linear dynamics in marine-phytoplankton population systems. <i>Marine Ecology - Progress Series</i> , 2004 , 273, 281-289	2.6	16
229	Translating science for decision makers to help navigate the Anthropocene. <i>Infrastructure Asset Management</i> , 2014 , 1, 160-170	1.8	15
228	Advancement of spring arrival in a long-term study of a passerine bird: sex, age and environmental effects. <i>Oecologia</i> , 2017 , 184, 917-929	2.9	15
227	The population ecology of the vole <i>Clethrionomys rufocanus</i> : A preface. <i>Researches on Population Ecology</i> , 1998 , 40, 1-3		15
226	Environmental forcing as a main determinant of bloom dynamics of the <i>Chrysochromulina</i> algae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 3047-55	4.4	15
225	The bioeconomics of controlling an African rodent pest species. <i>Environment and Development Economics</i> , 2006 , 11, 453-475	1.8	15
224	A generalized threshold mixed model for analyzing nonnormal nonlinear time series, with application to plague in Kazakhstan. <i>Biometrika</i> , 2007 , 94, 101-118	2	15
223	Increased effect of harsh climate in red deer with a poor set of teeth. <i>Oecologia</i> , 2006 , 147, 24-30	2.9	15
222	2003 , 13, 3-22		15

221	Biological processes and environmental factors regulating the dynamics of the Norwegian Skagerrak cod populations since 1919. <i>ICES Journal of Marine Science</i> , 2000 , 57, 330-338	2.7	15
220	Temporal changes in woody-plant use and the ekwar indigenous tree management system along the Turkwel River, Kenya. <i>Environmental Conservation</i> , 2001 , 28, 150-159	3.3	15
219	Genetic variability among root voles (<i>Microtus oeconomus</i>) from different geographic regions: populations can be distinguished by DNA fingerprinting. <i>Biological Journal of the Linnean Society</i> , 1994 , 52, 273-286	1.9	15
218	INTRODUCTION European cooperation in plant phenology 3. <i>Climate Research</i> , 2009 , 39, 175-177	1.6	15
217	Flexibility in positional behavior, strata use, and substrate utilization among Bale monkeys (<i>Chlorocebus djamdjamensis</i>) in response to habitat fragmentation and degradation. <i>American Journal of Primatology</i> , 2018 , 80, e22760	2.5	14
216	Population genetic structure and evolutionary history of Bale monkeys (<i>Chlorocebus djamdjamensis</i>) in the southern Ethiopian Highlands. <i>BMC Evolutionary Biology</i> , 2018 , 18, 106	3	14
215	Spatial variations in mortality in pelagic early life stages of a marine fish (<i>Gadus morhua</i>). <i>Progress in Oceanography</i> , 2014 , 127, 96-107	3.8	14
214	Community-level consequences of cannibalism. <i>American Naturalist</i> , 2012 , 180, 791-801	3.7	14
213	An ethical issue in biodiversity science: The monitoring of penguins with flipper bands. <i>Comptes Rendus - Biologies</i> , 2011 , 334, 378-84	1.4	14
212	Relationships between sex ratio, climate and density in red deer: the importance of spatial scale. <i>Journal of Animal Ecology</i> , 2008 , 69, 959-974	4.7	14
211	Northeast Arctic cod population persistence in the Lofoten-Barents Sea system under fishing 2008 , 18, 662-9		14
210	Spatio-temporal dynamics of the grey-sided vole in Hokkaido: identifying coupling using state-based Markov-chain modelling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 435-45	4.4	14
209	Bayesian population dynamics of interacting species: great gerbils and fleas in Kazakhstan. <i>Biometrics</i> , 2005 , 61, 230-8	1.8	14
208	Measuring, understanding and projecting the effects of large-scale climatic variability on mammals. <i>Climate Research</i> , 2006 , 32, 95-97	1.6	14
207	Ticket to spawn: Combining economic and genetic data to evaluate the effect of climate and demographic structure on spawning distribution in Atlantic cod. <i>Global Change Biology</i> , 2019 , 25, 134-143	11.4	14
206	Evolutionary selection of biofilm-mediated extended phenotypes in <i>Yersinia pestis</i> in response to a fluctuating environment. <i>Nature Communications</i> , 2020 , 11, 281	17.4	13
205	Communication of Science Advice to Government. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 7-11	10.9	13
204	Fine-scale recognition and use of mesoscale fronts by foraging Cape gannets in the Benguela upwelling region. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014 , 107, 77-84	2.3	13

203	Spatial heterogeneity as a genetic mixing mechanism in highly philopatric colonial seabirds. <i>PLoS ONE</i> , 2015 , 10, e0117981	3.7	13
202	Estimating population size and habitat suitability for mountain nyala in areas with different protection status. <i>Animal Conservation</i> , 2011 , 14, 409-418	3.2	13
201	Disentangling effects of uncertainties on population projections: climate change impact on an epixylic bryophyte. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 3098-105	4.4	13
200	Environmental noise affects the fluctuations of Atlantic large pelagics. <i>Progress in Oceanography</i> , 2010 , 86, 267-275	3.8	13
199	The long-term study of voles, mice and lemmings: homage to Robert Collett. <i>Trends in Ecology and Evolution</i> , 1995 , 10, 512	10.9	13
198	Coevolution of competing species: ecological character displacement. <i>Theoretical Population Biology</i> , 1985 , 27, 105-19	1.2	13
197	Bird migration and climate: the general picture and beyond. <i>Climate Research</i> , 2007 , 35, 177-180	1.6	13
196	Actions on sustainable food production and consumption for the post-2020 global biodiversity framework. <i>Science Advances</i> , 2021 , 7,	14.3	13
195	Historical and genomic data reveal the influencing factors on global transmission velocity of plague during the Third Pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11833-11838	11.5	12
194	Contrasting correlation patterns between environmental factors and chlorophyll levels in the global ocean. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 2095-2107	5.9	12
193	Cyclicity and variability in prey dynamics strengthens predator numerical response: the effects of vole fluctuations on white stork productivity. <i>Population Ecology</i> , 2013 , 55, 363-375	2.1	12
192	Scale-dependent effects of climate on two copepod species, <i>Calanus glacialis</i> and <i>Pseudocalanus minutus</i> , in an Arctic-boreal sea. <i>Marine Ecology - Progress Series</i> , 2012 , 468, 71-83	2.6	12
191	Predator-prey coupling: interaction between mink <i>Mustela vison</i> and muskrat <i>Ondatra zibethicus</i> across Canada. <i>Oikos</i> , 2009 , 118, 440-448	4	12
190	. <i>Ecological Monographs</i> , 2003 , 73, 151-171	9	12
189	From patterns to processes and back: analysing density-dependent responses to an abiotic stressor by statistical and mechanistic modelling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 2133-42	4.4	12
188	EXPLORING THE DENSITY-DEPENDENT STRUCTURE OF BLOWFLY POPULATIONS BY NONPARAMETRIC ADDITIVE MODELING. <i>Ecology</i> , 2001 , 82, 2645-2658	4.6	12
187	Common structure in panels of short ecological time-series. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000 , 267, 2459-67	4.4	12
186	Population Dynamics of Territorial Species in Seasonal and Patchy Environments. <i>Oikos</i> , 1994 , 69, 47	4	12

185	A genomic and historical synthesis of plague in 18th century Eurasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28328-28335	11.5	12
184	Build science in Africa. <i>Nature</i> , 2019 , 570, 297-300	50.4	11
183	Environmental toxicology: population modeling of cod larvae shows high sensitivity to loss of zooplankton prey. <i>Marine Pollution Bulletin</i> , 2011 , 62, 395-8	6.7	11
182	The effect of climate variations on the dynamics of pasture-livestock interactions under cooperative and noncooperative management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14730-4	11.5	11
181	Impacts of shifting agriculture on a floodplain woodland regeneration in dryland, Kenya. <i>Agriculture, Ecosystems and Environment</i> , 2002 , 90, 211-216	5.7	11
180	Modeling species richness controlled by community-intrinsic and community-extrinsic processes: coastal fish communities as an example. <i>Population Ecology</i> , 2002 , 44, 165-178	2.1	11
179	Comparing the genetic population structure of two species of arctic lemmings: more local differentiation in <i>Lemmus trimucronatus</i> than in <i>Dicrostonyx groenlandicus</i> . <i>Oikos</i> , 2001 , 94, 143-150	4	11
178	ECOLOGICAL AND EVOLUTIONARY STABILITY OF SPERM-DEPENDENT PARTHENOGENESIS: EFFECTS OF PARTIAL NICHE OVERLAP BETWEEN SEXUAL AND ASEXUAL FEMALES. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 698-714	3.8	11
177	Grasses, Grazers, Mutualism and Coevolution: A Comment about Handwaving in Ecology. <i>Oikos</i> , 1983 , 41, 152	4	11
176	Geographic variation in population cycles of Canadian muskrats (<i>Ondatra zibethicus</i>). <i>Canadian Journal of Zoology</i> , 2000 , 78, 1009-1016	1.5	11
175	Plague reservoir species throughout the world. <i>Integrative Zoology</i> , 2021 , 16, 820-833	1.9	11
174	Deep divergence among mitochondrial lineages in African jackals. <i>Zoologica Scripta</i> , 2018 , 47, 1-8	2.5	10
173	Comparisons of infant <i>Escherichia coli</i> isolates link genomic profiles with adaptation to the ecological niche. <i>BMC Genomics</i> , 2013 , 14, 81	4.5	10
172	Within and between species competition in a seabird community: statistical exploration and modeling of time-series data. <i>Oecologia</i> , 2012 , 169, 685-94	2.9	10
171	Biotic and abiotic effects on cohort size distributions in fish. <i>Oikos</i> , 2013 , 122, 835-844	4	10
170	Improved DNA fragment length estimation in capillary electrophoresis. <i>Electrophoresis</i> , 2008 , 29, 1273-856	10	10
169	Seedling establishment of <i>Acacia tortilis</i> and <i>Hyphaene compressa</i> in the Turkwel riverine forest, Kenya. <i>African Journal of Ecology</i> , 2006 , 44, 178-185	0.8	10
168	NATURAL MORTALITY AND FISHING MORTALITY IN A COASTAL COD POPULATION: A RELEASE-RECAPTURE EXPERIMENT 2001 , 11, 540-558	10	10

167	Optimal foraging: the importance of environmental stochasticity and accuracy in parameter estimation. <i>American Naturalist</i> , 1993 , 141, 139-57	3.7	10
166	Demographic history has shaped the strongly differentiated corkwing wrasse populations in Northern Europe. <i>Molecular Ecology</i> , 2020 , 29, 160-171	5.7	10
165	Impact of past climate warming on genomic diversity and demographic history of collared lemmings across the Eurasian Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3026-3033	11.5	9
164	Ecological and evolutionary dynamics of interconnectedness and modularity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 750-755	11.5	9
163	Differential responses of three sympatric seabirds to spatio-temporal variability in shared resources. <i>Marine Ecology - Progress Series</i> , 2012 , 468, 291-301	2.6	9
162	Maximum likelihood estimation in nonlinear structured fisheries models using survey and catch-at-age data. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011 , 68, 1717-1731	2.4	9
161	Statistical analysis of the dynamics of antibody loss to a disease-causing agent: plague in natural populations of great gerbils as an example. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 57-64	4.1	9
160	PHASE DEPENDENCE AND POPULATION CYCLES IN A LARGE-MAMMAL PREDATOR-BREY SYSTEM. <i>Ecology</i> , 2002 , 83, 2997-3002	4.6	9
159	A New Test for Density-Dependent Survival: The Case of Coastal Cod Populations. <i>Ecology</i> , 1999 , 80, 1278	4.6	9
158	Evolution of cannibalism in an age-structured population. <i>Bulletin of Mathematical Biology</i> , 1984 , 46, 371-7	2.1	9
157	Correcting for the Edge Effect in Density Estimation: Explorations around a New Method. <i>Oikos</i> , 1979 , 32, 337	4	9
156	Climate forcing, food web structure, and community dynamics in pelagic marine ecosystems 2005 , 143-169		9
155	Can we make human plague history? A call to action. <i>BMJ Global Health</i> , 2019 , 4, e001984	6.6	9
154	Population genetic structure and connectivity in the endangered Ethiopian mountain Nyala (<i>Tragelaphus buxtoni</i>): recommending dispersal corridors for future conservation. <i>Conservation Genetics</i> , 2013 , 14, 427-438	2.6	8
153	Detecting genetic structure in migrating bowhead whales off the coast of Barrow, Alaska. <i>Molecular Ecology</i> , 2007 , 16, 1993-2004	5.7	8
152	Genetic structuring in fluctuating populations. <i>Ecological Informatics</i> , 2006 , 1, 343-348	4.2	8
151	Interannual variability in abundance and length of young coastal cod in the subtidal zone. <i>Journal of Fish Biology</i> , 2006 , 68, 734-746	1.9	8
150	Richness dependence and climatic forcing as regulating processes of coastal fish-species richness. <i>Ecology Letters</i> , 2003 , 6, 428-439	10	8

149	Smoothing for spatiotemporal models and its application to modeling muskrat-mink interaction. <i>Biometrics</i> , 2003 , 59, 813-21	1.8	8
148	The Structure of Food Webs Predicted from Optimal Food Selection Models: An Alternative to Pimm's Stability Hypothesis. <i>Oikos</i> , 1985 , 44, 361	4	8
147	Energy balance and the Malthusian parameter, m, of grazing small rodents : A graphic model. <i>Oecologia</i> , 1978 , 32, 37-55	2.9	8
146	A comment on Bobisud's paper on evolution of cannibalism. <i>The Bulletin of Mathematical Biophysics</i> , 1978 , 40, 541-545		8
145	Determinants of mean length at age of spring spawning herring off the coast of Hokkaido, Japan. <i>Marine Ecology - Progress Series</i> , 2008 , 366, 209-217	2.6	8
144	Genetic structure of Siberian lemmings (<i>Lemmus sibiricus</i>) in a continuous habitat: large patches rather than isolation by distance		8
143	Toward a holistic understanding of pastoralism. <i>One Earth</i> , 2021 , 4, 651-665	8.1	8
142	Fine-scale population dynamics in a marine fish species inferred from dynamic state-space models. <i>Journal of Animal Ecology</i> , 2017 , 86, 888-898	4.7	7
141	African wolf diet, predation on livestock and conflict in the Guassa mountains of Ethiopia. <i>African Journal of Ecology</i> , 2017 , 55, 632-639	0.8	7
140	Pathogens trigger top-down climate forcing on ecosystem dynamics. <i>Oecologia</i> , 2016 , 181, 519-32	2.9	7
139	Interbreeding between local and translocated populations of a cleaner fish in an experimental mesocosm predicts risk of disrupted local adaptation. <i>Ecology and Evolution</i> , 2019 , 9, 6665-6677	2.8	7
138	Using Satellite Data for the Characterization of Local Animal Reservoir Populations of Hantaan Virus on the Weihe Plain, China. <i>Remote Sensing</i> , 2017 , 9, 1076	5	7
137	Spatial ecology of coastal Atlantic cod <i>Gadus morhua</i> associated with parasite load. <i>Journal of Fish Biology</i> , 2015 , 87, 449-64	1.9	7
136	The Role of Ecological and Economic Factors in the Management of a Spatially Structured Moose <i>Alces alces</i> Population. <i>Wildlife Biology</i> , 2009 , 15, 10-23	1.7	7
135	Non-parametric modelling of non-linear density dependence: a three-species host-parasitoid system. <i>Journal of Animal Ecology</i> , 2001 , 70, 808-819	4.7	7
134	Species richness and environmental conditions of fish along the Norwegian Skagerrak coast. <i>ICES Journal of Marine Science</i> , 2002 , 59, 757-769	2.7	7
133	Fingerprinting of diverse species with DNA probes generated from immobilized single-stranded DNA templates. <i>Nucleic Acids Research</i> , 1991 , 19, 4004	20.1	7
132	The Social Fence Hypothesis: A Critique. <i>Oikos</i> , 1988 , 52, 169	4	7

131	Temporal Patterns of Breeding Events in Small Rodent Populations. <i>Oikos</i> , 1988 , 53, 229	4	7
130	Regression Analysis, Residual Analysis and Missing Variables in Regression Models. <i>Oikos</i> , 1985 , 44, 319	4	7
129	On the evolution of reproductive rates in populations with equilibrium and cyclic densities. <i>Mathematical Biosciences</i> , 1985 , 74, 59-87	3.9	7
128	Evolutionarily stable strategies in stable and periodically fluctuating populations: The Rosenzweig-MacArthur predator-prey model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
127	Why Mathematical Models in Evolutionary Ecology? 1984 , 239-287		7
126	Intrinsic and extrinsic drivers of transmission dynamics of hemorrhagic fever with renal syndrome caused by Seoul hantavirus. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007757	4.8	6
125	Inferring genetic connectivity in real populations, exemplified by coastal and oceanic Atlantic cod. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 4945-4950	11.5	6
124	Optimal Management Under Institutional Constraints: Determining a Total Allowable Catch for Different Fleet Segments in the Northeast Arctic Cod Fishery. <i>Environmental and Resource Economics</i> , 2018 , 69, 811-835	4.4	6
123	Competition between sympatric wolf taxa: an example involving African and Ethiopian wolves. <i>Royal Society Open Science</i> , 2018 , 5, 172207	3.3	6
122	Improving risk assessments in conservation ecology. <i>Nature Communications</i> , 2019 , 10, 2836	17.4	6
121	Large-scale season-dependent effects of temperature and zooplankton on phytoplankton in the North Atlantic. <i>Marine Ecology - Progress Series</i> , 2014 , 502, 25-37	2.6	6
120	A simultaneous test of synchrony causal factors in muskrat and mink fur returns at different scales across Canada. <i>PLoS ONE</i> , 2011 , 6, e27766	3.7	6
119	The role of El Niño Southern Oscillation in the dynamics of a savanna large herbivore population. <i>Oikos</i> , 2011 , 120, 1175-1182	4	6
118	To make the most of what we have: extracting phenological data from nestling measurements. <i>International Journal of Biometeorology</i> , 2011 , 55, 797-804	3.7	6
117	Analyzing short time series data from periodically fluctuating rodent populations by threshold models: A nearest block bootstrap approach. <i>Science in China Series A: Mathematics</i> , 2009 , 52, 1085-1106		6
116	Where could catch shares prevent stock collapse?. <i>Marine Policy</i> , 2010 , 34, 710-712	3.5	6
115	Ecology: living in synchrony on Greenland coasts?. <i>Nature</i> , 2004 , 427, 697-8; discussion 698	50.4	6
114	Evolutionarily stable strategies in food selection models with fitness sets. <i>Journal of Theoretical Biology</i> , 1984 , 109, 489-99	2.3	6

113	The Indian Ocean Dipole as an indicator of climatic conditions affecting European birds. <i>Climate Research</i> , 2013 , 57, 45-49	1.6	6
112	The eye lens as an age indicator in the root vole. <i>Acta Theriologica</i> , 1980 , 25, 39-50		6
111	Marine Birds and Climate Fluctuation in the North Atlantic 2005 , 95-106		6
110	Use of cultivated foods and matrix habitat by Bale monkeys in forest fragments: Assessing local human attitudes and perceptions. <i>American Journal of Primatology</i> , 2020 , 82, e23074	2.5	6
109	How sampling-based overdispersion reveals India's tiger monitoring orthodoxy. <i>Conservation Science and Practice</i> , 2019 , 1, e128	2.2	6
108	Modeling [For Pathogens with Environmental Transmission: Animal Movements, Pathogen Populations, and Local Infectious Zones. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	5
107	Nonlinearity in interspecific interactions in response to climate change: Cod and haddock as an example. <i>Global Change Biology</i> , 2020 , 26, 5554-5563	11.4	5
106	Temporal dynamics in microbial soil communities at anthrax carcass sites. <i>BMC Microbiology</i> , 2017 , 17, 206	4.5	5
105	CAPTURE AND IMMOBILIZATION OF AFRICAN WOLVES (CANIS LUPASTER) IN THE ETHIOPIAN HIGHLANDS. <i>Journal of Wildlife Diseases</i> , 2018 , 54, 175-179	1.3	5
104	Source-Sink Reconstruction Through Regularized Multicomponent Regression Analysis With Application to Assessing Whether North Sea Cod Larvae Contributed to Local Fjord Cod in Skagerrak. <i>Journal of the American Statistical Association</i> , 2014 , 109, 560-573	2.8	5
103	Illuminating the mysterious world of truffles. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 462-463,5		5
102	Sexual selection forms the structure and dynamics of ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5576-7	11.5	5
101	Spatio-temporal variability of richness estimators: coastal marine fish communities as examples. <i>Oecologia</i> , 2005 , 144, 308-17	2.9	5
100	The effect of stochasticity in birth and survival on small populations of the harbour seal <i>Phoca vitulina</i> L.. <i>Sarsia</i> , 1994 , 79, 151-155		5
99	Reproduction and growth in bank voles <i>Clethrionomys glareolus</i> : the effect of food-quality and density manipulations in a laboratory colony. <i>Ecography</i> , 1992 , 15, 221-225	6.5	5
98	Density Dependence and the Microtine Cycle I. A. Continuous Time Model with Delay due to Development. <i>Oikos</i> , 1988 , 52, 197	4	5
97	Human Wildlife conflict and coexistence: a case study from Senkele Swayne's Hartebeest Sanctuary in Ethiopia. <i>Wildlife Biology</i> , 2020 , 2020,	1.7	5
96	Spores and soil from six sides: interdisciplinarity and the environmental biology of anthrax (<i>Bacillus anthracis</i>)		5

95	A general model for the demographic signatures of the transition from pandemic emergence to endemicity. <i>Science Advances</i> , 2021 , 7,	14.3	5
94	Organizing, supporting and linking the world marine biodiversity research community. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015 , 95, 431-433	1.1	4
93	Coalescence modeling of intrainfection populations allows estimation of infection parameters in wild populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4273-4280	11.5	4
92	Reply to Gange et al.: Climate-driven changes in the fungal fruiting season in the United Kingdom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E335	11.5	4
91	Unintended consequences sneak in the back door: making wise use of regulations in fisheries management	183	217
90	Exploring the Density-Dependent Structure of Blowfly Populations by Nonparametric Additive Modeling. <i>Ecology</i> , 2001 , 82, 2645	4.6	4
89	A Coevolutionary Theory for Communities and Food Web Configurations. <i>Oikos</i> , 1983 , 41, 487	4	4
88	On the evolution of demographic strategies in populations with equilibrium and cyclic densities. <i>Mathematical Biosciences</i> , 1985 , 74, 89-109	3.9	4
87	The ecology and evolution of tooth wear in red deer and moose 2007 , 116, 1805		4
86	The effect of season and post-fire on habitat preferences of the endangered Swayne's hartebeest (<i>Alcelaphus buselaphus swaynei</i>) in Maze National Park, Ethiopia. <i>BMC Ecology</i> , 2020 , 20, 5	2.7	4
85	Mice, rats, and people: the bio-economics of agricultural rodent pests 2003 , 1, 367		4
84	Population density regulation in <i>Clethrionomys</i> : the effect of changing litter size and length of reproductive season. <i>Acta Theriologica</i> , 1986 , 31, 367-384		4
83	Evolutionary Processes and Insect Outbreaks 1987 , 533-563		4
82	The Responses of Fish Populations to Ocean Climate Fluctuations 2005 , 73-94		4
81	Attuning to a changing ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20363-20371	11.5	4
80	Switching vaccination among target groups to achieve improved long-lasting benefits. <i>Royal Society Open Science</i> , 2021 , 8, 210292	3.3	4
79	Foraging ecology of African wolves (<i>Canis lupus</i>) and its implications for the conservation of Ethiopian wolves (<i>Canis lupus</i>). <i>Royal Society Open Science</i> , 2019 , 6, 190772	3.3	4
78	Effects of size- and sex-selective harvesting: An integral projection model approach. <i>Ecology and Evolution</i> , 2019 , 9, 12556-12570	2.8	4

77	Lessons Learnt From the COVID-19 Pandemic. <i>Frontiers in Public Health</i> , 2021 , 9, 694705	6	4
76	Assessing the origins of the European Plagues following the Black Death: A synthesis of genomic, historical, and ecological information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
75	Human plague system associated with rodent diversity and other environmental factors. <i>Royal Society Open Science</i> , 2019 , 6, 190216	3.3	3
74	Distribution and conservation status of Boutourlini's blue monkey (<i>Cercopithecus mitis boutourlinii</i>), a Vulnerable subspecies endemic to western Ethiopia. <i>Primates</i> , 2020 , 61, 785-796	1.7	3
73	Influence of larval transport and temperature on recruitment dynamics of North Sea cod (<i>Gadus morhua</i>) across spatial scales of observation. <i>Fisheries Oceanography</i> , 2020 , 29, 324-339	2.4	3
72	The Genome of the Great Gerbil Reveals Species-Specific Duplication of an MHCII Gene. <i>Genome Biology and Evolution</i> , 2020 , 12, 3832-3849	3.9	3
71	Combined effects of fishing and oil spills on marine fish: Role of stock demographic structure for offspring overlap with oil. <i>Marine Pollution Bulletin</i> , 2018 , 129, 336-342	6.7	3
70	A new hypothesis for explaining the maintenance of the all-female broods in the African butterfly <i>Acraea encedon</i> . <i>Hereditas</i> , 2008 , 103, 205-209	2.4	3
69	Fishery selection across the millennia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 2657-8	4.4	3
68	REPRODUCTIVE ASYNCHRONY INCREASES WITH ENVIRONMENTAL DISTURBANCE. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 55, 830-834	3.8	3
67	Cryptic population structuring in Scandinavian lynx: reply to Pamilo. <i>Molecular Ecology</i> , 2006 , 15, 1189-92	3.7	3
66	Testing for common structures in a panel of threshold models. <i>Biometrics</i> , 2004 , 60, 225-32	1.8	3
65	Relationships in red deer <i>Cervus elaphus</i> mandibles. <i>Acta Theriologica</i> , 2004 , 49, 527-542		3
64	Density Dependence and the Microtine Cycle II. A Discrete Time Model for a Synchronously Reproducing Population. <i>Oikos</i> , 1988 , 52, 207	4	3
63	Hydrology influences breeding time in the white-throated dipper. <i>BMC Ecology</i> , 2020 , 20, 70	2.7	3
62	Mining Can Exacerbate Global Degradation of Dryland. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL029493	4.9	3
61	Towards the Optimal Management of the Northeast Arctic Cod Fishery. <i>SSRN Electronic Journal</i> ,	1	3
60	Life history of fjord cod from the Skagerrak in the mid-2000s compared to 1905. <i>Marine Ecology - Progress Series</i> , 2011 , 424, 169-174	2.6	3

59	Population dynamic consequences of female territoriality in bank voles. <i>Acta Theriologica</i> , 1985 , 30, 445-460	3
58	Darwinian Evolution in Ecosystems: A Survey of Some Ideas and Difficulties Together with Some Possible Solutions. <i>Biomathematics</i> , 1986 , 105-145	3
57	Extending the climatological concept of Detection and Attribution to global change ecology in the Anthropocene. <i>Functional Ecology</i> , 2020 , 34, 2270-2282	5.6 3
56	Reply to Barbieri et al.: Out of the Land of Darkness: Plague on the fur trade routes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 7622-7623	11.5 2
55	Continual evolution through coupled fast and slow feedbacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4234-4242	11.5 2
54	The potential influence of Atlantic salmon and brown trout on density and breeding of the white-throated dipper. <i>Ecology and Evolution</i> , 2018 , 8, 4065-4073	2.8 2
53	Macroevolutionary consequences of sexual conflict. <i>Biology Letters</i> , 2018 , 14,	3.6 2
52	So, what do we know and what do we need to know more about the population ecology of the vole <i>Clethrionomys rufocanus</i> ?. <i>Researches on Population Ecology</i> , 1998 , 40, 153-158	2
51	Analyzing nonlinear population dynamics data. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2004 , 9, 200-215	1.9 2
50	Ecology. On the crest of a population wave. <i>Science</i> , 2002 , 298, 973-4	33.3 2
49	Aboveground dry-matter allocation in ungrazed and grazed stands of <i>Indigofera spinosa</i> in the arid zone of Turkana, Kenya. <i>Ecography</i> , 2000 , 23, 224-230	6.5 2
48	Population dynamics of bark beetles, with special reference to <i>Ips typographus</i> : Introduction. <i>Ecography</i> , 1989 , 12, 382-382	6.5 2
47	A simple population model for bark beetles providing general guidelines for the application of aggregation and anti-aggregation pheromones. <i>Ecography</i> , 1989 , 12, 395-407	6.5 2
46	A theoretical basis for understanding and managing biological populations with particular reference to the spruce bark beetle. <i>Ecography</i> , 1989 , 12, 387-394	6.5 2
45	Optimal Reproductive Success in Animals with Parental Care. <i>Oikos</i> , 1984 , 43, 251	4 2
44	The Importance of TAR-Modelling for Understanding the Structure of Ecological Dynamics: The Hare-Lynx Population Cycles as an Example 2009 , 365-374	2
43	Regime shift tipping point in hare population collapse associated with climatic and agricultural change during the very early 20th century. <i>Global Change Biology</i> , 2021 , 27, 3732-3740	11.4 2
42	The ecological dynamics of the coronavirus epidemics during transmission from outside sources when is successfully managed below one. <i>Royal Society Open Science</i> , 2021 , 8, 202234	3.3 2

41	What costs half a year's pay for African scholars? Open access. <i>Nature</i> , 2021 , 596, 189	50.4	2
40	Evaluating the effectiveness of control measures in multiple regions during the early phase of the COVID-19 pandemic in 2020. <i>Biosafety and Health</i> , 2021 , 3, 264-275	4.7	2
39	Reply to Enberg and Jørgensen: Ecology and evolution both matter for explaining stock dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E4322-E4323	11.5	1
38	Draft Genome Sequences of Two <i>Bacillus anthracis</i> Strains from Etosha National Park, Namibia. <i>Genome Announcements</i> , 2016 , 4,		1
37	Possible adverse impact of contaminants on Atlantic cod population dynamics in coastal ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191167	4.4	1
36	Harvested fish stocks in a changing environment. <i>Marine Ecology - Progress Series</i> , 2013 , 480, 199-203	2.6	1
35	Pioneering paradigms and magnificent manifestos--Leigh Van Valen's priceless contributions to evolutionary biology. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 917-22	3.8	1
34	Reply to Vilar et al.: Sleep or hide, better for survival anytime. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, E57-E57	11.5	1
33	Reply to Barbraudet al.: King penguin population threatened by Southern Ocean warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, E39-E39	11.5	1
32	Regulation of species richness by advection and richness-dependent processes in a coastal fish community. <i>Hydrobiologia</i> , 2003 , 503, 93-102	2.4	1
31	Natural Mortality and Fishing Mortality in a Coastal Cod Population: A Release-Recapture Experiment 2001 , 11, 540		1
30	Perspectives: evolutionary biology. The evolutionary synthesis. <i>Science</i> , 1999 , 286, 1490	33.3	1
29	The Ecological and Evolutionary Implications of Recruitment for Competitively Structured Communities. <i>Oikos</i> , 1992 , 65, 34	4	1
28	A model for the conquest of a tree by bark beetles. <i>Ecography</i> , 1989 , 12, 408-414	6.5	1
27	Small Rodents with Social and Trophic Interactions in a Seasonally Varying Environment. <i>Oikos</i> , 1987 , 50, 319	4	1
26	Sleeping Site and Tree Selection by Bale Monkeys (<i>Chlorocebus djambensis</i>) at Kokosa Forest Fragment in Southern Ethiopia. <i>International Journal of Primatology</i> , 2021 , 42, 915	2	1
25	Bioarchaeological insights into the last plague of Imola (1630-1632). <i>Scientific Reports</i> , 2021 , 11, 22253	4.9	1
24	EFFECTS OF DENSITY-DEPENDENT AND STOCHASTIC PROCESSES ON THE REGULATION OF COD POPULATIONS 2001 , 82, 567		1

23	The genome of the plague-resistant great gerbil reveals species-specific duplication of an MHCII gene		1
22	Location Is Everything, but Climate Gets a Share: Analyzing Small-Scale Environmental Influences on Breeding Success in the White-Throated Dipper. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8,	3-7	1
21	The dynamics of trait variance in multi-species communities. <i>Royal Society Open Science</i> , 2020 , 7, 2003213.3		1
20	A Threshold Sea-Surface Temperature at 14°C for Phytoplankton Nonlinear Responses to Ocean Warming. <i>Global Biogeochemical Cycles</i> , 2021 , 35, e2020GB006808	5-9	1
19	Prioritizing vaccination by age and social activity to advance societal health benefits in Norway: a modelling study. <i>Lancet Regional Health - Europe, The</i> , 2021 , 10, 100200		1
18	Stabilizing selection on Atlantic cod supergenes through a millennium of extensive exploitation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	1
17	Conflicting nuclear and mitogenome phylogenies reveal ancient mitochondrial replacement between two North American species of collared lemmings (<i>Dicrostonyx groenlandicus</i> , <i>D. hudsonius</i>).. <i>Molecular Phylogenetics and Evolution</i> , 2022 , 168, 107399	4-1	0
16	The value of flagship and umbrella species for restoration and sustainable development: Bale monkeys and bamboo forest in Ethiopia. <i>Journal for Nature Conservation</i> , 2022 , 65, 126117	2-3	0
15	Human activities increase vigilance, movement and home range size of the endangered mountain nyala (<i>Tragelaphus buxtoni</i>) at the cost of foraging and resting. <i>Global Ecology and Conservation</i> , 2021 , 32, e01900	2.8	0
14	Climate change affected the spatio-temporal occurrence of disasters in China over the past five centuries. <i>Royal Society Open Science</i> , 2021 , 8, 200731	3-3	0
13	How "science" can facilitate the politicization of charismatic megafauna counts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2203244119	11.5	0
12	The End of Plague in Europe. <i>Centaurus</i> , 2022 , 64, 61-72	1.1	0
11	Biological Conservation Founded on Landscape Genetics 2016 , 172-189		
10	Reply to McLean et al.: Collections are critical. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14413	11.5	
9	Can we afford not to believe that man is selfish?. <i>Behavioral and Brain Sciences</i> , 1989 , 12, 722-723	0.9	
8	Population dynamics of bark beetles, with special reference to <i>Ips typographus</i> : contributions of applied bark beetle studies to basic research in ecology and population biology. <i>Ecography</i> , 1989 , 12, 526-527	6.5	
7	Bridging the sociobiological gap. <i>Behavioral and Brain Sciences</i> , 1987 , 10, 88-89	0.9	
6	Houston & McNamara are right, but are they helpful to empiricists?. <i>Behavioral and Brain Sciences</i> , 1988 , 11, 150-151	0.9	

- 5 Swayne's hartebeest in Ethiopia: population estimate, genetic variability and competition with livestock. *Oryx*, 1-9 1.5
- 4 Regulation of species richness by advection and richness-dependent processes in a coastal fish community **2003**, 93-102
- 3 Reply to Best and Ashby: The concept of evolutionarily stable strategies (ESS) helps link ecology and evolution. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, 11.5
- 2 Reply to Weiss: Tree-ring stable oxygen isotopes suggest an increase in Asian monsoon rainfall at 4.2 ka BP.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2204067119 11.5
- 1 Population Principles, Climate Change, and the Collapse of the Rapa Nui Society. *Developments in Paleoenvironmental Research*, **2022**, 553-564