Steinar Engen

List of Publications by Year
in descending order

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66 papers	3,780 citations	218677 26 h-index	197818 49 g-index
67 all docs	67 docs citations	67 times ranked	3598 citing authors

#	Article	IF	Citations
1	Spatial Scale of Population Synchrony: Environmental Correlation versus Dispersal and Density Regulation. American Naturalist, 1999, 154, 271-281.	2.1	243
2	Optimal Harvesting of Fluctuating Populations with a Risk of Extinction. American Naturalist, 1995, 145, 728-745.	2.1	191
3	THRESHOLD HARVESTING FOR SUSTAINABILITY OF FLUCTUATING RESOURCES. Ecology, 1997, 78, 1341-1350.	3.2	182
4	The concept of fitness in fluctuating environments. Trends in Ecology and Evolution, 2015, 30, 273-281.	8.7	160
5	Demographic Characteristics and Population Dynamical Patterns of Solitary Birds. Science, 2002, 295, 2070-2073.	12.6	143
6	Pattern of variation in avian population growth rates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1185-1195.	4.0	105
7	How are species interactions structured in species-rich communities? A new method for analysing time-series data. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170768.	2.6	84
8	Density-Dependence and Optimal Harvesting of Fluctuating Populations. Oikos, 1996, 76, 40.	2.7	83
9	Extinction in relation to demographic and environmental stochasticity in age-structured models. Mathematical Biosciences, 2005, 195, 210-227.	1.9	83
10	The extended Moran effect and large-scale synchronous fluctuations in the size of great tit and blue tit populations. Journal of Animal Ecology, 2007, 76, 315-325.	2.8	76
11	Demographic routes to variability and regulation in bird populations. Nature Communications, 2016, 7, 12001.	12.8	74
12	Harvesting Strategies for Fluctuating Populations Based on Uncertain Population Estimates. Journal of Theoretical Biology, 1997, 186, 201-212.	1.7	73
13	Reproductive Value and the Stochastic Demography of Ageâ€Structured Populations. American Naturalist, 2009, 174, 795-804.	2.1	72
14	Interactions between demography and environmental effects are important determinants of population dynamics. Science Advances, 2017, 3, e1602298.	10.3	57
15	Estimating the pattern of synchrony in fluctuating populations. Journal of Animal Ecology, 2005, 74, 601-611.	2.8	55
16	EFFECTIVE SIZE OF FLUCTUATING POPULATIONS WITH TWO SEXES AND OVERLAPPING GENERATIONS. Evolution; International Journal of Organic Evolution, 2007, 61, 1873-1885.	2.3	51
17	Evidence for r - and K -selection in a wild bird population: a reciprocal link between ecology and evolution. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152411.	2.6	50
18	Optimal harvest of age-structured populations of mooseAlces alcesin a fluctuating environment. Wildlife Biology, 2001, 7, 171-179.	1.4	50

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19	A Quantitative Genetic Model of r- and K-Selection in a Fluctuating Population. American Naturalist, 2013, 181, 725-736.	2.1	47
20	Effects of climate on population fluctuations of ibex. Global Change Biology, 2008, 14, 218-228.	9.5	45
21	An integrated population model for a longâ€lived ungulate: more efficient data use with Bayesian methods. Oikos, 2015, 124, 806-816.	2.7	43
22	r- andK-selection in fluctuating populations is determined by the evolutionary trade-off between two fitness measures: Growth rate and lifetime reproductive success. Evolution; International Journal of Organic Evolution, 2017, 71, 167-173.	2.3	43
23	ANATOMY OF A BOTTLENECK: DIAGNOSING FACTORS LIMITING POPULATION GROWTH IN THE PUERTO RICAN PARROT. Ecological Monographs, 2008, 78, 185-203.	5.4	42
24	Evolution of stochastic demography with life history tradeoffs in density-dependent age-structured populations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11582-11590.	7.1	40
25	Generic ecological impact assessments of alien species in Norway: a semi-quantitative set of criteria. Biodiversity and Conservation, 2013, 22, 37-62.	2.6	38
26	EVOLUTION OF A PLASTIC QUANTITATIVE TRAIT IN AN AGE-STRUCTURED POPULATION IN A FLUCTUATING ENVIRONMENT. Evolution; International Journal of Organic Evolution, 2011, 65, 2893-2906.	2.3	29
27	Density dependence in an ageâ€structured population of great tits: identifying the critical age classes. Ecology, 2016, 97, 2479-2490.	3.2	28
28	EVOLUTION IN FLUCTUATING ENVIRONMENTS: DECOMPOSING SELECTION INTO ADDITIVE COMPONENTS OF THE ROBERTSON-PRICE EQUATION. Evolution; International Journal of Organic Evolution, 2014, 68, 854-865.	2.3	27
29	Estimating the ratio of effective to actual size of an ageâ€structured population from individual demographic data. Journal of Evolutionary Biology, 2010, 23, 1148-1158.	1.7	25
30	Estimating the effect of temporally autocorrelated environments on the demography of densityâ€independent ageâ€structured populations. Methods in Ecology and Evolution, 2013, 4, 573-584.	5.2	24
31	Spatial covariation of competing species in a fluctuating environment. Ecology, 2020, 101, e02901.	3.2	24
32	Harvesting strategies for Norwegian spring-spawning herring. Oikos, 2005, 110, 567-577.	2.7	23
33	Evolutionary Consequences of Nonselective Harvesting in Density-Dependent Populations. American Naturalist, 2014, 184, 714-726.	2.1	22
34	ESTIMATING PHENOTYPIC SELECTION IN AGE-STRUCTURED POPULATIONS BY REMOVING TRANSIENT FLUCTUATIONS. Evolution; International Journal of Organic Evolution, 2014, 68, 2509-2523.	2.3	22
35	Harvest-induced phenotypic selection in an island population of moose,Alces alces. Evolution; International Journal of Organic Evolution, 2016, 70, 1486-1500.	2.3	22
36	Reproductive Value and Fluctuating Selection in an Age-Structured Population. Genetics, 2009, 183, 629-637.	2.9	21

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37	Spatial scaling of population synchrony in marine fish depends on their life history. Ecology Letters, 2019, 22, 1787-1796.	6.4	21
38	Spatial Scales of Population Synchrony in Predator-Prey Systems. American Naturalist, 2020, 195, 216-230.	2.1	21
39	Forms of density regulation and (quasiâ€) stationary distributions of population sizes in birds. Oikos, 2008, 117, 1197-1208.	2.7	20
40	Optimal age of maturity in fluctuating environments under râ€•and Kâ€selection. Oikos, 2016, 125, 1577-1585.	2.7	20
41	The effect of harvesting on the spatial synchrony of population fluctuations. Theoretical Population Biology, 2018, 123, 28-34.	1.1	20
42	Stochastic growth and extinction in a spatial geometric Brownian population model with migration and correlated noise. Mathematical Biosciences, 2007, 209, 240-255.	1.9	16
43	Fixation probability of beneficial mutations in a fluctuating population. Genetical Research, 2009, 91, 73-82.	0.9	16
44	Spatial scales of population synchrony of two competing species: effects of harvesting and strength of competition. Oikos, 2018, 127, 1459-1470.	2.7	16
45	Decomposing demographic contributions to the effective population size with moose as a case study. Molecular Ecology, 2020, 29, 56-70.	3.9	15
46	Phenotypic evolution in stochastic environments: The contribution of frequencyâ€•and densityâ€dependent selection. Evolution; International Journal of Organic Evolution, 2020, 74, 1923-1941.	2.3	15
47	Reversal of response to artificial selection on body size in a wild passerine. Evolution; International Journal of Organic Evolution, 2017, 71, 2062-2079.	2.3	14
48	Effective size of density-dependent populations in fluctuating environments. Evolution; International Journal of Organic Evolution, 2016, 70, 2431-2446.	2.3	12
49	Spatial synchrony in population dynamics: The effects of demographic stochasticity and density regulation with a spatial scale. Mathematical Biosciences, 2016, 274, 17-24.	1.9	12
50	Spatial synchrony and harvesting in fluctuating populations:Relaxing the small noise assumption. Theoretical Population Biology, 2017, 116, 18-26.	1.1	12
51	Accounting for interspecific competition and age structure in demographic analyses of density dependence improves predictions of fluctuations in population size. Ecology Letters, 2019, 22, 797-806.	6.4	12
52	Interspecific differences in stochastic population dynamics explains variation in Taylor's temporal power law. Oikos, 2013, 122, 1207-1216.	2.7	11
53	Spatial distribution and optimal harvesting of an age-structured population in a fluctuating environment. Mathematical Biosciences, 2018, 296, 36-44.	1.9	11
54	Towards a predictive conservation biology: the devil is in the behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190013.	4.0	11

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55	Neutral or nonâ€neutral communities: temporal dynamics provide the answer. Oikos, 2017, 126, 318-331.	2.7	10
56	Phenotypic evolution by distance in fluctuating environments: The contribution of dispersal, selection and random genetic drift. Theoretical Population Biology, 2016, 109, 16-27.	1.1	8
57	Ageâ€dependent patterns of spatial autocorrelation in fish populations. Ecology, 2021, 102, e03523.	3.2	8
58	Demographic stochasticity and temporal autocorrelation in the dynamics of structured populations. Oikos, 2017, 126, 462-471.	2.7	7
59	Structure of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e4518" altimg="si454.svg"><mml:mi mathvariant="bold-italic">G</mml:mi></mml:math>-matrix in relation to phenotypic contributions to fitness. Theoretical Population Biology, 2021, 138, 43-56.	1.1	7
60	Modelling time to population extinction when individual reproduction is autocorrelated. Ecology Letters, 2017, 20, 1385-1394.	6.4	6
61	Integral projection models for finite populations in a stochastic environment. Ecology, 2011, 92, 1146-1156.	3.2	5
62	Density-dependent selection and the maintenance of colour polymorphism in barn owls. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	5
63	Ecological dynamics and large scale phenotypic differentiation in density-dependent populations. Theoretical Population Biology, 2019, 127, 133-143.	1.1	4
64	Harvesting can stabilise population fluctuations and buffer the impacts of extreme climatic events. Ecology Letters, 2022, 25, 863-875.	6.4	3
65	The ecological dynamics of the coronavirus epidemics during transmission from outside sources when R 0 is successfully managed below one. Royal Society Open Science, 2021, 8, 202234.	2.4	2
66	Characteristics of temporal changes in communities where dynamics differ between species. Theoretical Population Biology, 2016, 111, 65-74.	1.1	1