

Stephen Buckland

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,918
citations

218677

26
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

6717
citing authors

#	ARTICLE	IF	CITATIONS
1	Distance software: design and analysis of distance sampling surveys for estimating population size. <i>Journal of Applied Ecology</i> , 2010, 47, 5-14.	4.0	1,621
2	Long-term datasets in biodiversity research and monitoring: assessing change in ecological communities through time. <i>Trends in Ecology and Evolution</i> , 2010, 25, 574-582.	8.7	644
3	ANALYSIS OF POPULATION TRENDS FOR FARMLAND BIRDS USING GENERALIZED ADDITIVE MODELS. <i>Ecology</i> , 2000, 81, 1970-1984.	3.2	361
4	Distance Sampling: Methods and Applications. <i>Methods in Statistical Ecology</i> , 2015, , .	5.0	306
5	Monitoring change in biodiversity through composite indices. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2005, 360, 243-254.	4.0	301
6	Spatial models for line transect sampling. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2004, 9, 181-199.	1.4	248
7	Estimating Animal Abundance. <i>Statistics in the Health Sciences</i> , 2002, , .	0.2	218
8	Monte Carlo Confidence Intervals. <i>Biometrics</i> , 1984, 40, 811.	1.4	205
9	Incorporating Covariates into Standard Line Transect Analyses. <i>Biometrics</i> , 2003, 59, 924-935.	1.4	196
10	Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20121931.	2.6	178
11	Dung and nest surveys: estimating decay rates. <i>Journal of Applied Ecology</i> , 2003, 40, 1102-1111.	4.0	158
12	Distance sampling with camera traps. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1558-1565.	5.2	150
13	Wildlife Population Assessment: Past Developments and Future Directions. <i>Biometrics</i> , 2000, 56, 1-12.	1.4	124
14	Estimating the Encounter Rate Variance in Distance Sampling. <i>Biometrics</i> , 2009, 65, 225-236.	1.4	115
15	Embedding Population Dynamics Models in Inference. <i>Statistical Science</i> , 2007, 22, .	2.8	105
16	Aerial surveys of seabirds: the advent of digital methods. <i>Journal of Applied Ecology</i> , 2012, 49, 960-967.	4.0	97
17	Zigzag survey designs in line transect sampling. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2004, 9, 443-461.	1.4	83
18	Are stock assessment methods too complicated?. <i>Fish and Fisheries</i> , 2004, 5, 235-254.	5.3	72

#	ARTICLE	IF	CITATIONS
19	Point Transect Sampling Along Linear Features. <i>Biometrics</i> , 2010, 66, 1247-1255.	1.4	69
20	Modelling Population Dynamics. <i>Methods in Statistical Ecology</i> , 2014, , .	5.0	69
21	The geometric mean of relative abundance indices: a biodiversity measure with a difference. <i>Ecosphere</i> , 2011, 2, art100.	2.2	67
22	Double-Observer Line Transect Methods: Levels of Independence. <i>Biometrics</i> , 2010, 66, 169-177.	1.4	57
23	Analyzing designed experiments in distance sampling. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2009, 14, 432-442.	1.4	41
24	Accounting for animal density gradients using independent information in distance sampling surveys. <i>Statistical Methods and Applications</i> , 2013, 22, 67-80.	1.2	36
25	Assessing trends in biodiversity over space and time using the example of British breeding birds. <i>Journal of Applied Ecology</i> , 2014, 51, 1650-1660.	4.0	34
26	Improving distance sampling: accounting for covariates and non-independency between sampled sites. <i>Journal of Applied Ecology</i> , 2013, 50, 786-793.	4.0	29
27	The Use of Global Positioning Systems to Record Distances in a Helicopter Line-Transect Survey. <i>Wildlife Society Bulletin</i> , 2006, 34, 759-763.	1.6	27
28	Bayesian Methods for Hierarchical Distance Sampling Models. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2014, 19, 219-239.	1.4	27
29	Model-Based Distance Sampling. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016, 21, 58-75.	1.4	27
30	Multi-region response to conservation buffers targeted for northern bobwhite. <i>Journal of Wildlife Management</i> , 2013, 77, 716-725.	1.8	23
31	Bayesian hierarchical modelling of continuous non-negative longitudinal data with a spike at zero: An application to a study of birds visiting gardens in winter. <i>Biometrical Journal</i> , 2016, 58, 357-371.	1.0	23
32	How should regional biodiversity be monitored?. <i>Environmental and Ecological Statistics</i> , 2012, 19, 601-626.	3.5	22
33	Goodness-of-fit measures of evenness: a new tool for exploring changes in community structure. <i>Ecosphere</i> , 2011, 2, art15.	2.2	21
34	Estimating population sizes of lions <i>Panthera leo</i> and spotted hyaenas <i>Crocuta crocuta</i> in Uganda's savannah parks, using lure count methods. <i>Oryx</i> , 2014, 48, 394-401.	1.0	21
35	Attributing changes in the distribution of species abundance to weather variables using the example of British breeding birds. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1690-1702.	5.2	20
36	Model selection with overdispersed distance sampling data. <i>Methods in Ecology and Evolution</i> , 2019, 10, 38-47.	5.2	17

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37	Using Species Proportions to Quantify Turnover in Biodiversity. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016, 21, 363-381.	1.4	15
38	Measuring temporal trends in biodiversity. <i>ASTA Advances in Statistical Analysis</i> , 2017, 101, 461-474.	0.9	15
39	Using distance sampling with camera traps to estimate the density of group-living and solitary mountain ungulates. <i>Oryx</i> , 2021, 55, 668-676.	1.0	15
40	Using density surface models to estimate spatio-temporal changes in population densities and trend. <i>Ecography</i> , 2020, 43, 1079-1089.	4.5	14
41	Quantifying turnover in biodiversity of British breeding birds. <i>Journal of Applied Ecology</i> , 2016, 53, 469-478.	4.0	13
42	Incorporating Animal Movement Into Distance Sampling. <i>Journal of the American Statistical Association</i> , 2021, 116, 107-115.	3.1	11
43	Fine-tuning the assessment of large-scale temporal trends in biodiversity using the example of British breeding birds. <i>Journal of Applied Ecology</i> , 2013, 50, 190-198.	4.0	10
44	Analysing Mark-Recapture-Recovery Data in the Presence of Missing Covariate Data Via Multiple Imputation. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 28-46.	1.4	10
45	Multi-species population indices for sets of species including rare, disappearing or newly occurring species. <i>Ecological Indicators</i> , 2022, 140, 109005.	6.3	2
46	Biometrics, JABES and the International Biometric Society. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2017, 22, 221-223.	1.4	1
47	The Basic Methods. <i>Methods in Statistical Ecology</i> , 2015, , 3-13.	5.0	0
48	Taxon-Specific Issues. <i>Methods in Statistical Ecology</i> , 2015, , 201-229.	5.0	0