

Philip A Stephens

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

7,884
citations

101543

36
h-index

51608

86
g-index

96
all docs

96
docs citations

96
times ranked

10448
citing authors

#	ARTICLE	IF	CITATIONS
1	Why do we still use stepwise modelling in ecology and behaviour?. <i>Journal of Animal Ecology</i> , 2006, 75, 1182-1189.	2.8	1,148
2	What Is the Allee Effect?. <i>Oikos</i> , 1999, 87, 185.	2.7	1,079
3	Consequences of the Allee effect for behaviour, ecology and conservation. <i>Trends in Ecology and Evolution</i> , 1999, 14, 401-405.	8.7	1,017
4	Model selection and model averaging in behavioural ecology: the utility of the IT-AIC framework. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 77-89.	1.4	426
5	Capital breeding and income breeding: their meaning, measurement, and worth. <i>Ecology</i> , 2009, 90, 2057-2067.	3.2	266
6	Information theory and hypothesis testing: a call for pluralism. <i>Journal of Applied Ecology</i> , 2005, 42, 4-12.	4.0	264
7	Consistent response of bird populations to climate change on two continents. <i>Science</i> , 2016, 352, 84-87.	12.6	212
8	Inference in ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2007, 22, 192-197.	8.7	201
9	Capital or income breeding? A theoretical model of female reproductive strategies. <i>Behavioral Ecology</i> , 2007, 18, 241-250.	2.2	169
10	Minimum viable populations: is there a "magic number"™ for conservation practitioners?. <i>Trends in Ecology and Evolution</i> , 2011, 26, 307-316.	8.7	152
11	Improving species distribution models: the value of data on abundance. <i>Methods in Ecology and Evolution</i> , 2014, 5, 506-513.	5.2	145
12	Estimating population density from indirect sign: track counts and the Formozov-Malyshev-Pereleshin formula. <i>Animal Conservation</i> , 2006, 9, 339-348.	2.9	141
13	Management by proxy? The use of indices in applied ecology. <i>Journal of Applied Ecology</i> , 2015, 52, 1-6.	4.0	133
14	Evolution of trust and trustworthiness: social awareness favours personality differences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 605-613.	2.6	128
15	Making rewilding fit for policy. <i>Journal of Applied Ecology</i> , 2018, 55, 1114-1125.	4.0	113
16	Warning displays may function as honest signals of toxicity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 871-877.	2.6	112
17	Model complexity and population predictions. The alpine marmot as a case study. <i>Journal of Animal Ecology</i> , 2002, 71, 343-361.	2.8	108
18	Predicting potential responses to future climate in an alpine ungulate: interspecific interactions exceed climate effects. <i>Global Change Biology</i> , 2014, 20, 3872-3882.	9.5	93

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19	Capital and income breeding: the role of food supply. <i>Ecology</i> , 2014, 95, 882-896.	3.2	93
20	Impact of livestock and settlement on the large mammalian wildlife of Bale Mountains National Park, southern Ethiopia. <i>Biological Conservation</i> , 2001, 100, 307-322.	4.1	86
21	The bigger they come, the harder they fall: body size and prey abundance influence predator-prey ratios. <i>Biology Letters</i> , 2011, 7, 312-315.	2.3	82
22	Assessing the Performance of EU Nature Legislation in Protecting Target Bird Species in an Era of Climate Change. <i>Conservation Letters</i> , 2016, 9, 172-180.	5.7	72
23	Assessing the uneven global distribution of readership, submissions and publications in applied ecology: Obvious problems without obvious solutions. <i>Journal of Applied Ecology</i> , 2019, 56, 4-9.	4.0	70
24	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. <i>Journal of Biogeography</i> , 2017, 44, 709-721.	3.0	68
25	Predicting the response of farmland bird populations to changing food supplies. <i>Journal of Applied Ecology</i> , 2003, 40, 970-983.	4.0	66
26	The behavioral trade-off between thermoregulation and foraging in a heat-sensitive species. <i>Behavioral Ecology</i> , 2017, 28, 908-918.	2.2	63
27	Dispersal, Eviction, and Conflict in Meerkats (<i>Suricata suricatta</i>): An Evolutionarily Stable Strategy Model. <i>American Naturalist</i> , 2005, 165, 120-135.	2.1	56
28	Disentangling the relative roles of climate and land cover change in driving the long-term population trends of European migratory birds. <i>Diversity and Distributions</i> , 2020, 26, 1442-1455.	4.1	51
29	Innovations in Camera Trapping Technology and Approaches: The Integration of Citizen Science and Artificial Intelligence. <i>Animals</i> , 2020, 10, 132.	2.3	49
30	A global assessment of the drivers of threatened terrestrial species richness. <i>Nature Communications</i> , 2020, 11, 993.	12.8	47
31	Exapting exaptation. <i>Trends in Ecology and Evolution</i> , 2013, 28, 497-498.	8.7	46
32	Flight range, fuel load and the impact of climate change on the journeys of migrant birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172329.	2.6	45
33	The drivers of avian abundance: patterns in the relative importance of climate and land use. <i>Global Ecology and Biogeography</i> , 2015, 24, 1249-1260.	5.8	42
34	Economical crowdsourcing for camera trap image classification. <i>Remote Sensing in Ecology and Conservation</i> , 2018, 4, 361-374.	4.3	41
35	A call for statistical pluralism answered. <i>Journal of Applied Ecology</i> , 2007, 44, 461-463.	4.0	40
36	Predictive models of weed population dynamics. <i>Weed Research</i> , 2009, 49, 225-232.	1.7	40

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37	Genetic panmixia and demographic dependence across the North Atlantic in the deep-sea fish, blue hake (<i>Antimora rostrata</i>). <i>Heredity</i> , 2011, 106, 690-699.	2.6	37
38	The limits to population density in birds and mammals. <i>Ecology Letters</i> , 2019, 22, 654-663.	6.4	37
39	How international journals can support ecology from the Global South. <i>Journal of Applied Ecology</i> , 2021, 58, 4-8.	4.0	37
40	Environmental change and long-term body mass declines in an alpine mammal. <i>Frontiers in Zoology</i> , 2014, 11, .	2.0	35
41	Demonstrating frequency-dependent transmission of sarcoptic mange in red foxes. <i>Biology Letters</i> , 2014, 10, 20140524.	2.3	34
42	On the extinction of the single-authored paper: The causes and consequences of increasingly collaborative applied ecological research. <i>Journal of Applied Ecology</i> , 2018, 55, 1-4.	4.0	34
43	Diversification of honest signals in a predator-prey system. <i>Ecology Letters</i> , 2010, 13, 744-753.	6.4	31
44	Solving environmental problems in the Anthropocene: the need to bring novel theoretical advances into the applied ecology fold. <i>Journal of Applied Ecology</i> , 2017, 54, 1-6.	4.0	30
45	OPTIMAL ANNUAL ROUTINES: NEW TOOLS FOR CONSERVATION BIOLOGY. <i>Ecological Applications</i> , 2008, 18, 1563-1577.	3.8	28
46	Litter size and latitude in a large mammal: the wild boar <i>Sus scrofa</i> . <i>Mammal Review</i> , 2010, 40, 212.	4.8	28
47	Impacts of invasive plants on animal behaviour. <i>Ecology Letters</i> , 2021, 24, 891-907.	6.4	28
48	Contrasting Life Histories in Neighbouring Populations of a Large Mammal. <i>PLoS ONE</i> , 2011, 6, e28002.	2.5	27
49	Prey Selection by an Apex Predator: The Importance of Sampling Uncertainty. <i>PLoS ONE</i> , 2012, 7, e47894.	2.5	26
50	Only the largest terrestrial carnivores increase their dietary breadth with increasing prey richness. <i>Mammal Review</i> , 2020, 50, 291-303.	4.8	26
51	Modelling the effects of management on population dynamics: some lessons from annual weeds. <i>Journal of Applied Ecology</i> , 2008, 45, 1050-1058.	4.0	24
52	Honest Signaling and the Uses of Prey Coloration. <i>American Naturalist</i> , 2011, 178, E1-E9.	2.1	24
53	Demography of a carnivore, the red fox, <i>Vulpes vulpes</i> : what have we learnt from 70 years of published studies?. <i>Oikos</i> , 2013, 122, 705-716.	2.7	23
54	Population responses of bird populations to climate change on two continents vary with species' ecological traits but not with direction of change in climate suitability. <i>Climatic Change</i> , 2019, 157, 337-354.	3.6	23

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55	Sustainable exploitation of social species: a test and comparison of models. <i>Journal of Applied Ecology</i> , 2002, 39, 629-642.	4.0	22
56	Amelioration of biodiversity impacts of genetically modified crops: predicting transient versus long-term effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 325-331.	2.6	22
57	Burning savanna for avian species richness and functional diversity. <i>Ecological Applications</i> , 2020, 30, e02091.	3.8	21
58	Automated detection and classification of birdsong: An ensemble approach. <i>Ecological Indicators</i> , 2020, 117, 106609.	6.3	20
59	A systematic review of methods for studying the impacts of outdoor recreation on terrestrial wildlife. <i>Global Ecology and Conservation</i> , 2020, 22, e00917.	2.1	19
60	Joint effects of weather and interspecific competition on foraging behavior and survival of a mountain herbivore. <i>Environmental Epigenetics</i> , 2019, 65, 165-175.	1.8	18
61	Agriculture, transport policy and landscape heterogeneity. <i>Trends in Ecology and Evolution</i> , 2003, 18, 555-556.	8.7	17
62	VERTEBRATE MATING SYSTEMS, ALLEE EFFECTS AND CONSERVATION. , 2000, , .		17
63	Contrasting Effects of Climate Change on Alpine Chamois. <i>Journal of Wildlife Management</i> , 2021, 85, 109-120.	1.8	16
64	Uncertainty in Population Growth Rates: Determining Confidence Intervals from Point Estimates of Parameters. <i>PLoS ONE</i> , 2010, 5, e13628.	2.5	15
65	Capital-Income Breeding in Male Ungulates: Causes and Consequences of Strategy Differences Among Species. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	14
66	The Scaling of Diving Time Budgets: Insights from an Optimality Approach. <i>American Naturalist</i> , 2008, 171, 305-314.	2.1	13
67	Intraseasonal Variation in Reproductive Effort: Young Males Finish Last. <i>American Naturalist</i> , 2012, 180, 823-830.	2.1	13
68	Land sparing, land sharing, and the fate of Africa's lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14753-14754.	7.1	13
69	Best practice for collar deployment of tri-axial accelerometers on a terrestrial quadruped to provide accurate measurement of body acceleration. <i>Animal Biotelemetry</i> , 2020, 8, .	1.9	13
70	Limitations of using surrogates for behaviour classification of accelerometer data: refining methods using random forest models in Caprids. <i>Movement Ecology</i> , 2021, 9, 28.	2.8	13
71	Beyond climate envelope projections: Roe deer survival and environmental change. <i>Journal of Wildlife Management</i> , 2016, 80, 452-464.	1.8	12
72	Applied ecologists in a landscape of fear. <i>Journal of Applied Ecology</i> , 2019, 56, 1034-1039.	4.0	12

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73	Nationwide trophic cascades: changes in avian community structure driven by ungulates. <i>Scientific Reports</i> , 2015, 5, 15601.	3.3	11
74	What drives atâ€risk species richness? Environmental factors are more influential than anthropogenic factors or biological traits. <i>Conservation Letters</i> , 2019, 12, e12624.	5.7	11
75	Camera trap distance sampling for terrestrial mammal population monitoring: lessons learnt from a<scp>UK</scp> case study. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 717-730.	4.3	11
76	The Verification of Ecological Citizen Science Data: Current Approaches and Future Possibilities. <i>Citizen Science: Theory and Practice</i> , 2021, 6, 12.	1.2	10
77	Red deer exhibit spatial and temporal responses to hiking activity. <i>Wildlife Biology</i> , 2021, 2021, .	1.4	7
78	No safety in numbers. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 486-486.	4.0	6
79	Does Litter Size Variation Affect Models of Terrestrial Carnivore Extinction Risk and Management?. <i>PLoS ONE</i> , 2013, 8, e58060.	2.5	6
80	A general target for MVPs: unsupported and unnecessary. <i>Trends in Ecology and Evolution</i> , 2011, 26, 620-622.	8.7	5
81	A PITâ€tagâ€based method for measuring individual bait uptake in small mammals. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12081.	2.0	5
82	Reply from W.J. Sutherland, G.A. Parker and P.A. Stephens. <i>Trends in Ecology and Evolution</i> , 1999, 14, 69-69.	8.7	4
83	Using indices of speciesâ€™ potential range to inform conservation status. <i>Ecological Indicators</i> , 2021, 123, 107343.	6.3	4
84	Response to Gibbons et al.: Null-hypothesis significance tests in education and inference. <i>Trends in Ecology and Evolution</i> , 2007, 22, 446-446.	8.7	3
85	Achieving and communicating globally relevant applied ecological research. <i>Journal of Applied Ecology</i> , 2016, 53, 1-4.	4.0	3
86	Red deer behavioural response to hiking activity: A study using camera traps. <i>Journal of Zoology</i> , 0, , .	1.7	2
87	Two May Be Company but Three Is Seldom a Crowd: Allee Effects in Ecology and Conservation. <i>Conservation Biology</i> , 2008, 22, 1662-1664.	4.7	1
88	Where nothing stands still: quantifying nomadism in Australian arid-zone birds. <i>Landscape Ecology</i> , 2022, 37, 191-208.	4.2	1
89	Behaviour, temperature and terrain slope impact estimates of energy expenditure using oxygen and dynamic body acceleration. <i>Animal Biotelemetry</i> , 2021, 9, .	1.9	1
90	Spatial and temporal variations in interspecific interaction: impact of a recreational landscape. <i>European Journal of Wildlife Research</i> , 2022, 68, .	1.4	1

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91	Ecology: Luck, Scarcity, and the Fate of Populations. <i>Current Biology</i> , 2018, 28, R1384-R1386.	3.9	0
92	The Verification of Ecological Citizen Science Data: Current approaches and future possibilities. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	0
93	The importance of direct and indirect trophic interactions in determining the presence of a locally rare day-flying moth. <i>Oecologia</i> , 2022, 198, 531.	2.0	0