

Stephen G Willis

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.

63

papers

5,126

citations

31

h-index

68

g-index

68

ext. papers

5,936

ext. citations

7.1

avg, IF

5.23

L-index

#	Paper	IF	Citations
63	Rapid responses of British butterflies to opposing forces of climate and habitat change. <i>Nature</i> , 2001 , 414, 65-9	50.4	943
62	Assessing species vulnerability to climate change. <i>Nature Climate Change</i> , 2015 , 5, 215-224	21.4	576
61	Responses of butterflies to twentieth century climate warming: implications for future ranges. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2163-71	4.4	316
60	Conserving mobile species. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 395-402	5.5	275
59	Species richness changes lag behind climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 1465-70	4.4	252
58	Projected impacts of climate change on a continent-wide protected area network. <i>Ecology Letters</i> , 2009 , 12, 420-31	10	209
57	An indicator of the impact of climatic change on European bird populations. <i>PLoS ONE</i> , 2009 , 4, e4678	3.7	189
56	Potential impacts of climatic change on European breeding birds. <i>PLoS ONE</i> , 2008 , 3, e1439	3.7	183
55	Consistent response of bird populations to climate change on two continents. <i>Science</i> , 2016 , 352, 84-7	33.3	159
54	Potential impacts of climatic change upon geographical distributions of birds. <i>Ibis</i> , 2006 , 148, 8-28	1.9	154
53	Assisted colonization in a changing climate: a test-study using two U.K. butterflies. <i>Conservation Letters</i> , 2009 , 2, 46-52	6.9	122
52	The performance of models relating species geographical distributions to climate is independent of trophic level. <i>Ecology Letters</i> , 2004 , 7, 417-426	10	119
51	Simulating the spread and management of alien riparian weeds: are they out of control?. <i>Journal of Applied Ecology</i> , 2000 , 37, 28-38	5.8	119
50	Improving species distribution models: the value of data on abundance. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 506-513	7.7	107
49	Performance of climate envelope models in retrodicting recent changes in bird population size from observed climatic change. <i>Biology Letters</i> , 2008 , 4, 599-602	3.6	79
48	Tritrophic phenological match-mismatch in space and time. <i>Nature Ecology and Evolution</i> , 2018 , 2, 970-975	15.3	68
47	Toward a management framework for networks of protected areas in the face of climate change. <i>Conservation Biology</i> , 2011 , 25, 305-15	6	66

46	Potential impacts of climatic change on the breeding and non-breeding ranges and migration distance of European Sylvia warblers. <i>Journal of Biogeography</i> , 2009 , 36, 1194-1208	4.1	66
45	Guidelines for the use of acoustic indices in environmental research. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 1796-1807	7.7	63
44	Predicting potential responses to future climate in an alpine ungulate: interspecific interactions exceed climate effects. <i>Global Change Biology</i> , 2014 , 20, 3872-82	11.4	61
43	Evaluating the effectiveness of conservation site networks under climate change: accounting for uncertainty. <i>Global Change Biology</i> , 2013 , 19, 1236-48	11.4	59
42	Does temperature limit the invasion of <i>Impatiens glandulifera</i> and <i>Heracleum mantegazzianum</i> in the UK?. <i>Functional Ecology</i> , 2002 , 16, 530-539	5.6	59
41	Foraging ranges of immature African white-backed vultures (<i>Gyps africanus</i>) and their use of protected areas in southern Africa. <i>PLoS ONE</i> , 2013 , 8, e52813	3.7	58
40	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	6.9	56
39	Bioenergy cropland expansion may offset positive effects of climate change mitigation for global vertebrate diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13294-13299	11.5	52
38	Integrating climate change vulnerability assessments from species distribution models and trait-based approaches. <i>Biological Conservation</i> , 2015 , 190, 167-178	6.2	50
37	Sr isotope analysis of bird feathers by TIMS: a tool to trace bird migration paths and breeding sites. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 513	3.7	49
36	Choice of baseline climate data impacts projected species' responses to climate change. <i>Global Change Biology</i> , 2016 , 22, 2392-404	11.4	49
35	Environmental severity and variation in the reproductive traits of <i>Impatiens glandulifera</i> . <i>Functional Ecology</i> , 2004 , 18, 887-898	5.6	43
34	Dynamic distribution modelling: predicting the present from the past. <i>Ecography</i> , 2009 , 32, 5-12	6.5	39
33	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. <i>Journal of Biogeography</i> , 2017 , 44, 709-721	4.1	38
32	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	6.1	31
31	Beyond bioclimatic envelopes: dynamic species' range and abundance modelling in the context of climatic change. <i>Ecography</i> , 2010 ,	6.5	31
30	Predicting the Spatial Distribution of Wolf (<i>Canis lupus</i>) Breeding Areas in a Mountainous Region of Central Italy. <i>PLoS ONE</i> , 2015 , 10, e0124698	3.7	29
29	Assessing the future threat from vivax malaria in the United Kingdom using two markedly different modelling approaches. <i>Malaria Journal</i> , 2010 , 9, 70	3.6	28

28	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,	4.4	26
27	Environmental change and long-term body mass declines in an alpine mammal. <i>Frontiers in Zoology</i> , 2014 , 11,	2.8	26
26	Contrasting life histories in neighbouring populations of a large mammal. <i>PLoS ONE</i> , 2011 , 6, e28002	3.7	24
25	Rapid assessment of avian species richness and abundance using acoustic indices. <i>Ecological Indicators</i> , 2020 , 115, 106400	5.8	22
24	Assessing the impacts of future climate change on protected area networks: a method to simulate individual species' responses. <i>Environmental Management</i> , 2009 , 43, 836-45	3.1	22
23	Neglected issues in using weather and climate information in ecology and biogeography. <i>Diversity and Distributions</i> , 2017 , 23, 329-340	5	20
22	Prey selection by an apex predator: the importance of sampling uncertainty. <i>PLoS ONE</i> , 2012 , 7, e47894	3.7	20
21	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	5	20
20	Targeting research to underpin climate change adaptation for birds. <i>Ibis</i> , 2011 , 153, 207-211	1.9	19
19	Assessing climate change impacts for vertebrate fauna across the West African protected area network using regionally appropriate climate projections. <i>Diversity and Distributions</i> , 2015 , 21, 991-1003 ⁵		18
18	The limits to population density in birds and mammals. <i>Ecology Letters</i> , 2019 , 22, 654-663	10	16
17	Topographical variation reduces phenological mismatch between a butterfly and its nectar source. <i>Journal of Insect Conservation</i> , 2015 , 19, 227-236	2.1	16
16	Global inequities and political borders challenge nature conservation under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	12
15	Forecasting potential routes for movement of endemic birds among important sites for biodiversity in the Albertine Rift under projected climate change. <i>Ecography</i> , 2018 , 41, 401-413	6.5	10
14	Intraseasonal variation in reproductive effort: young males finish last. <i>American Naturalist</i> , 2012 , 180, 823-30	3.7	9
13	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	4.5	8
12	Burning savanna for avian species richness and functional diversity. <i>Ecological Applications</i> , 2020 , 30, e02091	4.9	7
11	Nationwide trophic cascades: changes in avian community structure driven by ungulates. <i>Scientific Reports</i> , 2015 , 5, 15601	4.9	7

10	Vegetation Responses to Local Climatic Changes Induced by a Water-Storage Reservoir. <i>Global Ecology and Biogeography Letters</i> , 1998 , 7, 241		5
9	Automated detection and classification of birdsong: An ensemble approach. <i>Ecological Indicators</i> , 2020 , 117, 106609	5.8	4
8	Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates. <i>Ibis</i> , 2014 , 156, 741-754	1.9	4
7	Phenological trends in the pre- and post-breeding migration of long-distance migratory birds. <i>Global Change Biology</i> , 2021 ,	11.4	4
6	The influence of different aspects of grouse moorland management on nontarget bird assemblages. <i>Ecology and Evolution</i> , 2019 , 9, 11089-11101	2.8	2
5	Global impacts of climate change on avian functional diversity.. <i>Ecology Letters</i> , 2022 , 25, 673-685	10	2
4	Vegetation responses to local climatic changes induced by a water-storage reservoir. <i>Global Ecology and Biogeography</i> , 1998 , 7, 241-257	6.1	1
3	Where nothing stands still: quantifying nomadism in Australian arid-zone birds. <i>Landscape Ecology</i> , 1	4.3	1
2	Using indices of species potential range to inform conservation status. <i>Ecological Indicators</i> , 2021 , 123, 107343	5.8	1
1	Climate Change and Conservation 2010 , 329-348		