Stephen G Willis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6538005/publications.pdf

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63	6,757	87888	110387
papers	citations	38 h-index	64 g-index

68	68	68	9075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid responses of British butterflies to opposing forces of climate and habitat change. Nature, 2001, 414, 65-69.	27.8	1,096
2	Assessing species vulnerability to climate change. Nature Climate Change, 2015, 5, 215-224.	18.8	856
3	Conserving mobile species. Frontiers in Ecology and the Environment, 2014, 12, 395-402.	4.0	371
4	Responses of butterflies to twentieth century climate warming: implications for future ranges. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2163-2171.	2.6	363
5	Species richness changes lag behind climate change. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1465-1470.	2.6	288
6	Projected impacts of climate change on a continentâ€wide protected area network. Ecology Letters, 2009, 12, 420-431.	6.4	240
7	Potential Impacts of Climatic Change on European Breeding Birds. PLoS ONE, 2008, 3, e1439.	2.5	233
8	An Indicator of the Impact of Climatic Change on European Bird Populations. PLoS ONE, 2009, 4, e4678.	2.5	226
9	Consistent response of bird populations to climate change on two continents. Science, 2016, 352, 84-87.	12.6	212
10	Potential impacts of climatic change upon geographical distributions of birds. Ibis, 2006, 148, 8-28.	1.9	188
11	Improving species distribution models: the value of data on abundance. Methods in Ecology and Evolution, 2014, 5, 506-513.	5.2	145
12	Simulating the spread and management of alien riparian weeds: are they out of control?. Journal of Applied Ecology, 2000, 37, 28-38.	4.0	138
13	The performance of models relating species geographical distributions to climate is independent of trophic level. Ecology Letters, 2004, 7, 417-426.	6.4	134
14	Guidelines for the use of acoustic indices in environmental research. Methods in Ecology and Evolution, 2019, 10, 1796-1807.	5.2	134
15	Assisted colonization in a changing climate: a testâ€study using two U.K. butterflies. Conservation Letters, 2009, 2, 46-52.	5.7	133
16	Tritrophic phenological matchâ€“mismatch in space and time. Nature Ecology and Evolution, 2018, 2, 970-975.	7.8	108
17	Performance of climate envelope models in retrodicting recent changes in bird population size from observed climatic change. Biology Letters, 2008, 4, 599-602.	2.3	94
18	Predicting potential responses to future climate in an alpine ungulate: interspecific interactions exceed climate effects. Global Change Biology, 2014, 20, 3872-3882.	9.5	93

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19	Bioenergy cropland expansion may offset positive effects of climate change mitigation for global vertebrate diversity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13294-13299.	7.1	82
20	Potential impacts of climatic change on the breeding and nonâ€breeding ranges and migration distance of European Sylvia warblers. Journal of Biogeography, 2009, 36, 1194-1208.	3.0	80
21	Beyond bioclimatic envelopes: dynamic species' range and abundance modelling in the context of climatic change. Ecography, 2010, 33, 621-626.	4.5	79
22	Toward a Management Framework for Networks of Protected Areas in the Face of Climate Change. Conservation Biology, 2011, 25, no-no.	4.7	78
23	Evaluating the effectiveness of conservation site networks under climate change: accounting for uncertainty. Global Change Biology, 2013, 19, 1236-1248.	9.5	77
24	Does temperature limit the invasion of Impatiens glandulifera and Heracleum mantegazzianum in the UK?. Functional Ecology, 2002, 16, 530-539.	3.6	74
25	Assessing the Performance of EU Nature Legislation in Protecting Target Bird Species in an Era of Climate Change. Conservation Letters, 2016, 9, 172-180.	5.7	72
26	Integrating climate change vulnerability assessments from species distribution models and trait-based approaches. Biological Conservation, 2015, 190, 167-178.	4.1	70
27	Foraging Ranges of Immature African White-Backed Vultures (Gyps africanus) and Their Use of Protected Areas in Southern Africa. PLoS ONE, 2013, 8, e52813.	2.5	70
28	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. Journal of Biogeography, 2017, 44, 709-721.	3.0	68
29	Choice of baseline climate data impacts projected species' responses to climate change. Global Change Biology, 2016, 22, 2392-2404.	9.5	66
30	Rapid assessment of avian species richness and abundance using acoustic indices. Ecological Indicators, 2020, 115, 106400.	6.3	63
31	Sr isotope analysis of bird feathers by TIMS: a tool to trace bird migration paths and breeding sites. Journal of Analytical Atomic Spectrometry, 2007, 22, 513.	3.0	57
32	Disentangling the relative roles of climate and land cover change in driving the longâ€term population trends of European migratory birds. Diversity and Distributions, 2020, 26, 1442-1455.	4.1	51
33	Global inequities and political borders challenge nature conservation under climate change. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	50
34	Environmental severity and variation in the reproductive traits of Impatiens glandulifera. Functional Ecology, 2004, 18, 887-898.	3.6	49
35	Predicting the Spatial Distribution of Wolf (Canis lupus) Breeding Areas in a Mountainous Region of Central Italy. PLoS ONE, 2015, 10, e0124698.	2.5	45
36	Flight range, fuel load and the impact of climate change on the journeys of migrant birds. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172329.	2.6	45

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37	The drivers of avian abundance: patterns in the relative importance of climate and land use. Global Ecology and Biogeography, 2015, 24, 1249-1260.	5.8	42
38	Dynamic distribution modelling: predicting the present from the past. Ecography, 2009, 32, 5-12.	4.5	41
39	The limits to population density in birds and mammals. Ecology Letters, 2019, 22, 654-663.	6.4	37
40	Environmental change and long-term body mass declines in an alpine mammal. Frontiers in Zoology, 2014, 11, .	2.0	35
41	Assessing the future threat from vivax malaria in the United Kingdom using two markedly different modelling approaches. Malaria Journal, 2010, 9, 70.	2.3	33
42	Contrasting Life Histories in Neighbouring Populations of a Large Mammal. PLoS ONE, 2011, 6, e28002.	2.5	27
43	Prey Selection by an Apex Predator: The Importance of Sampling Uncertainty. PLoS ONE, 2012, 7, e47894.	2.5	26
44	Global impacts of climate change on avian functional diversity. Ecology Letters, 2022, 25, 673-685.	6.4	26
45	Neglected issues in using weather and climate information in ecology and biogeography. Diversity and Distributions, 2017, 23, 329-340.	4.1	25
46	Assessing the Impacts of Future Climate Change on Protected Area Networks: A Method to Simulate Individual Species' Responses. Environmental Management, 2009, 43, 836-845.	2.7	24
47	Assessing climate change impacts for vertebrate fauna across the West African protected area network using regionally appropriate climate projections. Diversity and Distributions, 2015, 21, 991-1003.	4.1	23
48	Population responses of bird populations to climate change on two continents vary with speciesâ€™ ecological traits but not with direction of change in climate suitability. Climatic Change, 2019, 157, 337-354.	3.6	23
49	Topographical variation reduces phenological mismatch between a butterfly and its nectar source. Journal of Insect Conservation, 2015, 19, 227-236.	1.4	21
50	Burning savanna for avian species richness and functional diversity. Ecological Applications, 2020, 30, e02091.	3.8	21
51	Automated detection and classification of birdsong: An ensemble approach. Ecological Indicators, 2020, 117, 106609.	6.3	20
52	Targeting research to underpin climate change adaptation for birds. Ibis, 2011, 153, 207-211.	1.9	19
53	Phenological trends in the preâ€•and postâ€breeding migration of longâ€distance migratory birds. Global Change Biology, 2022, 28, 375-389.	9.5	16
54	Intraseasonal Variation in Reproductive Effort: Young Males Finish Last. American Naturalist, 2012, 180, 823-830.	2.1	13

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55	Nationwide trophic cascades: changes in avian community structure driven by ungulates. Scientific Reports, 2015, 5, 15601.	3.3	11
56	Forecasting potential routes for movement of endemic birds among important sites for biodiversity in the Albertine Rift under projected climate change. Ecography, 2018, 41, 401-413.	4.5	11
57	Vegetation Responses to Local Climatic Changes Induced by a Water-Storage Reservoir. Global Ecology and Biogeography Letters, 1998, 7, 241.	0.6	6
58	The influence of different aspects of grouse moorland management on nontarget bird assemblages. Ecology and Evolution, 2019, 9, 11089-11101.	1.9	6
59	Vegetation responses to local climatic changes induced by a water-storage reservoir. Global Ecology and Biogeography, 1998, 7, 241-257.	5.8	5
60	Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates. Ibis, 2014, 156, 741-754.	1.9	5
61	Using indices of speciesâ€™ potential range to inform conservation status. Ecological Indicators, 2021, 123, 107343.	6.3	4
62	Site-Based Conservation of Terrestrial Bird Species in the Caribbean and Central and South America Under Climate Change. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	3
63	Where nothing stands still: quantifying nomadism in Australian arid-zone birds. Landscape Ecology, 2022, 37, 191-208.	4.2	1