

Stephen E Williams

List of Publications by Year in descending order

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77
papers

17,831
citations

56860

44
h-index

75178

75
g-index

79
all docs

79
docs citations

79
times ranked

24780
citing authors

#	ARTICLE	IF	CITATIONS
1	Extinction risk from climate change. <i>Nature</i> , 2004, 427, 145-148.	36.2	6,116
2	Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. <i>Science</i> , 2017, 355, .	20.9	2,219
3	Predicting organismal vulnerability to climate warming: roles of behaviour, physiology and adaptation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1665-1679.	4.2	1,097
4	Towards an Integrated Framework for Assessing the Vulnerability of Species to Climate Change. <i>PLoS Biology</i> , 2008, 6, e325.	5.4	907
5	Assessing species vulnerability to climate change. <i>Nature Climate Change</i> , 2015, 5, 215-224.	14.3	907
6	Selecting pseudo-absence data for presence-only distribution modeling: How far should you stray from what you know?. <i>Ecological Modelling</i> , 2009, 220, 589-594.	2.5	673
7	Climate change in Australian tropical rainforests: an impending environmental catastrophe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1887-1892.	2.8	413
8	Microhabitats reduce animal's exposure to climate extremes. <i>Global Change Biology</i> , 2014, 20, 495-503.	9.7	378
9	Abundance and the Environmental Niche: Environmental Suitability Estimated from Niche Models Predicts the Upper Limit of Local Abundance. <i>American Naturalist</i> , 2009, 174, 282-291.	2.2	349
10	Habitat history improves prediction of biodiversity in rainforest fauna. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 632-636.	7.6	324
11	Riparian Ecosystems in the 21st Century: Hotspots for Climate Change Adaptation?. <i>Ecosystems</i> , 2013, 16, 359-381.	3.4	298
12	Rare species contribute disproportionately to the functional structure of species assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160084.	2.8	295
13	SPATIAL SCALE, SPECIES DIVERSITY, AND HABITAT STRUCTURE: SMALL MAMMALS IN AUSTRALIAN TROPICAL RAIN FOREST. <i>Ecology</i> , 2002, 83, 1317-1329.	3.5	237
14	Global warming, elevational ranges and the vulnerability of tropical biota. <i>Biological Conservation</i> , 2011, 144, 548-557.	4.2	193
15	Biogeographical concordance and efficiency of taxon indicators for establishing conservation priority in a tropical rainforest biota. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1875-1881.	2.8	160
16	Environmental Temperature Affects Prevalence of Blood Parasites of Birds on an Elevation Gradient: Implications for Disease in a Warming Climate. <i>PLoS ONE</i> , 2012, 7, e39208.	2.5	145
17	Climatic seasonality, resource bottlenecks, and abundance of rainforest birds: implications for global climate change. <i>Diversity and Distributions</i> , 2008, 14, 69-77.	4.1	124
18	Using assisted colonisation to conserve biodiversity and restore ecosystem function under climate change. <i>Biological Conservation</i> , 2013, 157, 172-177.	4.2	120

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19	Engineering a future for amphibians under climate change. <i>Journal of Applied Ecology</i> , 2011, 48, 487-492.	4.0	113
20	Impacts of recent climate change on terrestrial flora and fauna: Some emerging Australian examples. <i>Austral Ecology</i> , 2019, 44, 3-27.	1.3	113
21	Detecting climate change induced range shifts: Where and how should we be looking?. <i>Austral Ecology</i> , 2006, 31, 22-29.	1.3	109
22	Rainforest frogs of the Australian Wet Tropics: guild classification and the ecological similarity of declining species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 597-602.	2.8	108
23	Historical rainforest contractions, localized extinctions and patterns of vertebrate endemism in the rainforests of Australia's wet tropics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997, 264, 709-716.	2.8	106
24	Increasing arboreality with altitude: a novel biogeographic dimension. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131581.	2.8	106
25	Dynamic refugia and species persistence: tracking spatial shifts in habitat through time. <i>Ecography</i> , 2010, 33, 1062-1069.	4.7	101
26	Combined modelling of distribution and niche in invasion biology: a case study of two invasive <i>Tetramorium</i> ant species. <i>Diversity and Distributions</i> , 2008, 14, 538-545.	4.1	100
27	Climate warming and the rainforest birds of the Australian Wet Tropics: Using abundance data as a sensitive predictor of change in total population size. <i>Biological Conservation</i> , 2005, 125, 335-343.	4.2	99
28	Resistance and resilience: quantifying relative extinction risk in a diverse assemblage of Australian tropical rainforest vertebrates. <i>Diversity and Distributions</i> , 2009, 15, 280-288.	4.1	96
29	Characteristics of climate change refugia for Australian biodiversity. <i>Austral Ecology</i> , 2014, 39, 887-897.	1.3	90
30	Targeted protection and restoration to conserve tropical biodiversity in a warming world. <i>Global Change Biology</i> , 2011, 17, 186-193.	9.7	85
31	New approaches to understanding late Quaternary climate fluctuations and refugial dynamics in Australian wet tropical rain forests. <i>Journal of Biogeography</i> , 2009, 36, 291-301.	3.0	84
32	Biotic interactions influence the projected distribution of a specialist mammal under climate change. <i>Diversity and Distributions</i> , 2012, 18, 861-872.	4.1	83
33	Patterns of persistence and isolation indicate resilience to climate change in montane rainforest lizards. <i>Molecular Ecology</i> , 2010, 19, no-no.	3.6	82
34	Potential decoupling of trends in distribution area and population size of species with climate change. <i>Global Change Biology</i> , 2005, 11, 1469-1476.	9.7	79
35	Making decisions to conserve species under climate change. <i>Climatic Change</i> , 2013, 119, 239-246.	3.7	78
36	Variable responses of skinks to a common history of rainforest fluctuation: concordance between phylogeography and palaeo-distribution models. <i>Molecular Ecology</i> , 2009, 18, 483-499.	3.6	76

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37	Microhabitats in the tropics buffer temperature in a globally coherent manner. <i>Biology Letters</i> , 2014, 10, 20140819.	2.4	74
38	Thermal Buffering of Microhabitats is a Critical Factor Mediating Warming Vulnerability of Frogs in the Philippine Biodiversity Hotspot. <i>Biotropica</i> , 2013, 45, 628-635.	1.6	62
39	Multiple determinants of Australian tropical frog biodiversity. <i>Biological Conservation</i> , 2001, 98, 1-10.	4.2	52
40	Uncertainty in predictions of extinction risk/Effects of changes in climate and land use/Climate change and extinction risk (reply). <i>Nature</i> , 2004, 430, 34-34.	36.2	49
41	Fire weather risk differs across rain forest-savanna boundaries in the humid tropics of north-eastern Australia. <i>Austral Ecology</i> , 2012, 37, 915-925.	1.3	49
42	Basking behavior predicts the evolution of heat tolerance in Australian rainforest lizards. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2537-2549.	2.3	49
43	Extreme thermal heterogeneity in structurally complex tropical rain forests. <i>Biotropica</i> , 2017, 49, 35-44.	1.6	49
44	Persistence in Peripheral Refugia Promotes Phenotypic Divergence and Speciation in a Rainforest Frog. <i>American Naturalist</i> , 2011, 178, 561-578.	2.2	46
45	Niche breadth and geographical range: ecological compensation for geographical rarity in rainforest frogs. <i>Biology Letters</i> , 2006, 2, 532-535.	2.4	45
46	Cool habitats support darker and bigger butterflies in Australian tropical forests. <i>Ecology and Evolution</i> , 2016, 6, 8062-8074.	1.9	45
47	Detectability in Audio-Visual Surveys of Tropical Rainforest Birds: The Influence of Species, Weather and Habitat Characteristics. <i>PLoS ONE</i> , 2015, 10, e0128464.	2.5	44
48	Vertical (arboreality) and horizontal (dispersal) movement increase the resilience of vertebrates to climatic instability. <i>Global Ecology and Biogeography</i> , 2017, 26, 787-798.	5.9	41
49	Potential for mountaintop boulder fields to buffer species against extreme heat stress under climate change. <i>International Journal of Biometeorology</i> , 2010, 54, 475-478.	3.1	40
50	Elevational gradients in species abundance, assemblage structure and energy use of rainforest birds in the Australian Wet Tropics bioregion. <i>Austral Ecology</i> , 2010, 35, 650-664.	1.3	35
51	Changes in small mammal assemblage structure across a rain forest/open forest ecotone. <i>Journal of Tropical Ecology</i> , 1998, 14, 187-198.	1.0	30
52	Spatial Variability in Litterfall, Litter Standing Crop and Litter Quality in a Tropical Rain Forest Region. <i>Biotropica</i> , 2014, 46, 378-386.	1.6	28
53	Research priorities for natural ecosystems in a changing global climate. <i>Global Change Biology</i> , 2020, 26, 410-416.	9.7	25
54	Altitudinally restricted communities of Schizophoran flies in Queensland's Wet Tropics: vulnerability to climate change. <i>Biodiversity and Conservation</i> , 2007, 16, 3163-3177.	2.5	23

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55	Rainforest litter quality and chemical controls on leaf decomposition with near-infrared spectrometry. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 710-720.	2.4	22
56	Immigrants and refugees: the importance of dispersal in mediating biotic attrition under climate change. <i>Global Change Biology</i> , 2012, 18, 2126-2134.	9.7	22
57	Arboreality drives heat tolerance while elevation drives cold tolerance in tropical rainforest ants. <i>Ecology</i> , 2022, 103, e03549.	3.5	20
58	Long-term changes in populations of rainforest birds in the Australia Wet Tropics bioregion: A climate-driven biodiversity emergency. <i>PLoS ONE</i> , 2021, 16, e0254307.	2.5	20
59	Extinction debt from climate change for frogs in the wet tropics. <i>Biology Letters</i> , 2016, 12, 20160236.	2.4	19
60	Tropical mountain passes are out of reach " but not for arboreal species. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 101-108.	2.9	19
61	Current Analogues of Future Climate Indicate the Likely Response of a Sensitive Montane Tropical Avifauna to a Warming World. <i>PLoS ONE</i> , 2013, 8, e69393.	2.5	18
62	Projected Distributions and Diversity of Flightless Ground Beetles within the Australian Wet Tropics and Their Environmental Correlates. <i>PLoS ONE</i> , 2014, 9, e88635.	2.5	18
63	Identifying conservation priorities for threatened Eastern Himalayan mammals. <i>Conservation Biology</i> , 2018, 32, 1162-1173.	4.7	16
64	Recent speciation and limited phylogeographic structure in <i>Mixophyes</i> frogs from the Australian Wet Tropics. <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 407-413.	2.9	14
65	Regional patterns and controls of leaf decomposition in Australian tropical rainforests. <i>Austral Ecology</i> , 2012, 37, 845-854.	1.3	13
66	Elevational Distribution of Flightless Ground Beetles in the Tropical Rainforests of North-Eastern Australia. <i>PLoS ONE</i> , 2016, 11, e0155826.	2.5	10
67	The climatic drivers of long-term population changes in rainforest montane birds. <i>Global Change Biology</i> , 2023, 29, 2132-2140.	9.7	9
68	Diversity and Distribution of the Dominant Ant Genus <i>Anonychomyrma</i> (Hymenoptera: Formicidae) in the Australian Wet Tropics. <i>Diversity</i> , 2020, 12, 474.	1.7	8
69	Vertical niche and elevation range size in tropical ants: Implications for climate resilience. <i>Diversity and Distributions</i> , 2021, 27, 485-496.	4.1	8
70	Climate change threatens the future of rain forest ringtail possums by 2050. <i>Diversity and Distributions</i> , 2023, 29, 173-183.	4.1	8
71	On the isolated population of Lewin's Honeyeater (<i>Meliphaga lewinii amphochlora</i>) from the McIlwraith Range uplands, Cape York Peninsula, Australia: estimates of population size and distribution. <i>Emu</i> , 2009, 109, 288-293.	0.8	7
72	Historical environmental stability drives discordant niche filling dynamics across phylogenetic scales. <i>Journal of Biogeography</i> , 2020, 47, 807-816.	3.0	6

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73	The Impact of Climate Change on the Biodiversity and Ecosystem Functions of the Wet Tropics. , 2008, , 282-294.		5
74	Volume measurements for quicker determination of forest litter standing crop. Journal of Tropical Ecology, 2009, 25, 665-669.	1.0	4
75	Estimating coâ€œextinction threats in terrestrial ecosystems. Global Change Biology, 2023, 29, 5122-5138.	9.7	3
76	Climate Change and Extinctions. , 2013, , 73-78.		2
77	Quantitative tools and simultaneous actions needed for species conservation under climate change-Reply to Shoo et al. (2013). Climatic Change, 2015, 129, 9-11.	3.7	0