

# Jeremy J Vanderwal

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1167989/jeremy-j-vanderwal-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68  
papers

4,292  
citations

35  
h-index

65  
g-index

68  
ext. papers

4,877  
ext. citations

5.7  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
68	Selecting pseudo-absence data for presence-only distribution modeling: How far should you stray from what you know?. <i>Ecological Modelling</i> , <b>2009</b> , 220, 589-594	3	502
67	Abundance and the environmental niche: environmental suitability estimated from niche models predicts the upper limit of local abundance. <i>American Naturalist</i> , <b>2009</b> , 174, 282-91	3.7	280
66	Focus on poleward shifts in species' distribution underestimates the fingerprint of climate change. <i>Nature Climate Change</i> , <b>2013</b> , 3, 239-243	21.4	226
65	Quantifying the benefit of early climate change mitigation in avoiding biodiversity loss. <i>Nature Climate Change</i> , <b>2013</b> , 3, 678-682	21.4	221
64	Prediction of phylogeographic endemism in an environmentally complex biome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281,	4.4	169
63	Latitude, elevational climatic zonation and speciation in New World vertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 194-201	4.4	144
62	The origin and maintenance of montane diversity: integrating evolutionary and ecological processes. <i>Ecography</i> , <b>2014</b> , 37, 711-719	6.5	131
61	Identification and dynamics of a cryptic suture zone in tropical rainforest. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 1235-44	4.4	124
60	Environmental refuge from disease-driven amphibian extinction. <i>Conservation Biology</i> , <b>2011</b> , 25, 956-64	6	119
59	Distribution models for the amphibian chytrid <i>Batrachochytrium dendrobatidis</i> in Costa Rica: proposing climatic refuges as a conservation tool. <i>Diversity and Distributions</i> , <b>2009</b> , 15, 401-408	5	116
58	Assessing spatial patterns of disease risk to biodiversity: implications for the management of the amphibian pathogen, <i>Batrachochytrium dendrobatidis</i> . <i>Journal of Applied Ecology</i> , <b>2011</b> , 48, 163-173	5.8	114
57	Vulnerability of cloud forest reserves in Mexico to climate change. <i>Nature Climate Change</i> , <b>2012</b> , 2, 448-454	4.4	110
56	The current decline of tropical marsupials in Australia: is history repeating?. <i>Global Ecology and Biogeography</i> , <b>2014</b> , 23, 181-190	6.1	97
55	Evidence that dingoes limit abundance of a mesopredator in eastern Australian forests. <i>Journal of Applied Ecology</i> , <b>2009</b> , 46, 641-646	5.8	95
54	Weather, not climate, defines distributions of vagile bird species. <i>PLoS ONE</i> , <b>2010</b> , 5, e13569	3.7	93
53	Dynamic refugia and species persistence: tracking spatial shifts in habitat through time. <i>Ecography</i> , <b>2010</b> , 33, 1062-1069	6.5	87
52	Resistance and resilience: quantifying relative extinction risk in a diverse assemblage of Australian tropical rainforest vertebrates. <i>Diversity and Distributions</i> , <b>2009</b> , 15, 280-288	5	82

51	Combined modelling of distribution and niche in invasion biology: a case study of two invasive Tetramorium ant species. <i>Diversity and Distributions</i> , <b>2008</b> , 14, 538-545	5	82
50	New approaches to understanding late Quaternary climate fluctuations and refugial dynamics in Australian wet tropical rain forests. <i>Journal of Biogeography</i> , <b>2009</b> , 36, 291-301	4.1	77
49	Targeted protection and restoration to conserve tropical biodiversity in a warming world. <i>Global Change Biology</i> , <b>2011</b> , 17, 186-193	11.4	73
48	Appropriateness of full-, partial- and no-dispersal scenarios in climate change impact modelling. <i>Diversity and Distributions</i> , <b>2013</b> , 19, 1224-1234	5	72
47	Biotic interactions influence the projected distribution of a specialist mammal under climate change. <i>Diversity and Distributions</i> , <b>2012</b> , 18, 861-872	5	67
46	Characteristics of climate change refugia for Australian biodiversity. <i>Austral Ecology</i> , <b>2014</b> , 39, 887-897	1.5	66
45	Nice weather for bettongs: using weather events, not climate means, in species distribution models. <i>Ecography</i> , <b>2012</b> , 35, 306-314	6.5	65
44	Distribution of abundance across the range in eastern North American trees. <i>Global Ecology and Biogeography</i> , <b>2006</b> , 15, 63-71	6.1	62
43	Integrating phylogeography and physiology reveals divergence of thermal traits between central and peripheral lineages of tropical rainforest lizards. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 367, 1680-7	5.8	57
42	Patterns of rain forest plant endemism in subtropical Australia relate to stable mesic refugia and species dispersal limitations. <i>Journal of Biogeography</i> , <b>2014</b> , 41, 222-238	4.1	50
41	Brave new green world – Consequences of a carbon economy for the conservation of Australian biodiversity. <i>Biological Conservation</i> , <b>2013</b> , 161, 71-90	6.2	49
40	Signatures of range expansion and erosion in eastern North American trees. <i>Ecology Letters</i> , <b>2010</b> , 13, 1233-44	10	46
39	Does the choice of climate baseline matter in ecological niche modelling?. <i>Ecological Modelling</i> , <b>2010</b> , 221, 2280-2286	3	46
38	The pace of past climate change vs. potential bird distributions and land use in the United States. <i>Global Change Biology</i> , <b>2016</b> , 22, 1130-44	11.4	45
37	Stepping inside the niche: microclimate data are critical for accurate assessment of species' vulnerability to climate change. <i>Biology Letters</i> , <b>2014</b> , 10,	3.6	42
36	Persistence in peripheral refugia promotes phenotypic divergence and speciation in a rainforest frog. <i>American Naturalist</i> , <b>2011</b> , 178, 561-78	3.7	42
35	Lineage range estimation method reveals fine-scale endemism linked to Pleistocene stability in Australian rainforest herpetofauna. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126274	3.7	35
34	Fire regime shifts affect bird species distributions. <i>Diversity and Distributions</i> , <b>2012</b> , 18, 213-225	5	35

33	Idiosyncratic responses to climate-driven forest fragmentation and marine incursions in reed frogs from Central Africa and the Gulf of Guinea Islands. <i>Molecular Ecology</i> , <b>2017</b> , 26, 5223-5244	5.7	34
32	Improved spatial estimates of climate predict patchier species distributions. <i>Diversity and Distributions</i> , <b>2013</b> , 19, 1106-1113	5	33
31	Ant Diversity and Distribution along Elevation Gradients in the Australian Wet Tropics: The Importance of Seasonal Moisture Stability. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153420	3.7	32
30	Vertical (arboreality) and horizontal (dispersal) movement increase the resilience of vertebrates to climatic instability. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 787-798	6.1	31
29	Designing connected marine reserves in the face of global warming. <i>Global Change Biology</i> , <b>2018</b> , 24, e671-e691	11.4	31
28	Projected changes in distributions of Australian tropical savanna birds under climate change using three dispersal scenarios. <i>Ecology and Evolution</i> , <b>2012</b> , 2, 705-18	2.8	30
27	Characterizing errors in digital elevation models and estimating the financial costs of accuracy. <i>International Journal of Geographical Information Science</i> , <b>2010</b> , 24, 1327-1347	4.1	30
26	Incorporating low-resolution historic species location data decreases performance of distribution models. <i>Ecological Modelling</i> , <b>2011</b> , 222, 3444-3448	3	28
25	Trade-offs in carbon storage and biodiversity conservation under climate change reveal risk to endemic species. <i>Biological Conservation</i> , <b>2017</b> , 207, 9-16	6.2	26
24	Correlates of Recent Declines of Rodents in Northern and Southern Australia: Habitat Structure Is Critical. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130626	3.7	25
23	Sink or swim? Potential for high faunal turnover in Australian rivers under climate change. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 489-501	4.1	23
22	Potential breeding distributions of U.S. birds predicted with both short-term variability and long-term average climate data <b>2016</b> , 26, 2718-2729		23
21	Coarse-filter surrogates do not represent freshwater fish diversity at a regional scale in Queensland, Australia. <i>Biological Conservation</i> , <b>2011</b> , 144, 2499-2511	6.2	21
20	Extending ecological niche models to the past 120 000 years corroborates the lack of strong phylogeographic structure in the Crested Drongo ( <i>Dicrurus forficatus forficatus</i> ) on Madagascar. <i>Biological Journal of the Linnean Society</i> , <b>2013</b> , 108, 658-676	1.9	18
19	Testing the Role of Climate Change in Species Decline: Is the Eastern Quoll a Victim of a Change in the Weather?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129420	3.7	18
18	The AVOID programme's new simulations of the global benefits of stringent climate change mitigation. <i>Climatic Change</i> , <b>2013</b> , 120, 55-70	4.5	17
17	Formulating conservation targets for a gap analysis of endemic lizards in a biodiversity hotspot. <i>Biological Conservation</i> , <b>2014</b> , 180, 1-10	6.2	16
16	Immigrants and refugees: the importance of dispersal in mediating biotic attrition under climate change. <i>Global Change Biology</i> , <b>2012</b> , 18, 2126-2134	11.4	16

15	Arboreality increases reptile community resistance to disturbance from livestock grazing. <i>Journal of Applied Ecology</i> , <b>2018</b> , 55, 786-799	5.8	15
14	Underestimated ranges and overlooked refuges from amphibian chytridiomycosis. <i>Diversity and Distributions</i> , <b>2013</b> , 19, 1313-1321	5	12
13	The Implications of Sympatry in the Spectacled and Grey Headed Flying-Fox, <i>Pteropus conspicillatus</i> and <i>P. poliocephalus</i> (Chiroptera: Pteropodidae). <i>Acta Chiropterologica</i> , <b>2010</b> , 12, 301-309	1	11
12	Vulnerability of Australian tropical savanna birds to climate change. <i>Austral Ecology</i> , <b>2016</b> , 41, 106-116	1.5	10
11	Issues with modelling the current and future distribution of invasive pathogens. <i>Journal of Applied Ecology</i> , <b>2011</b> , 48, 177-180	5.8	10
10	Three-dimensional mid-domain predictions: geometric constraints in North American amphibian, bird, mammal and tree species richness patterns. <i>Ecography</i> , <b>2008</b> , 31, 435-449	6.5	10
9	There is no evidence for a temporal link between pathogen arrival and frog extinctions in north-eastern Australia. <i>PLoS ONE</i> , <b>2012</b> , 7, e52502	3.7	8
8	Examining current or future trade-offs for biodiversity conservation in north-eastern Australia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172230	3.7	8
7	Substantial reduction in thermo-suitable microhabitat for a rainforest marsupial under climate change. <i>Biology Letters</i> , <b>2018</b> , 14, 20180189	3.6	7
6	Climate change and biodiversity in Australia: a systematic modelling approach to nationwide species distributions. <i>Australasian Journal of Environmental Management</i> , <b>2019</b> , 26, 112-123	2	6
5	No simple relationship between above-ground tree growth and fine-litter production in tropical forests. <i>Journal of Tropical Ecology</i> , <b>2008</b> , 24, 347-350	1.3	6
4	Invasiveness in exotic plants: immigration and naturalization in an ecological continuum <b>2006</b> , 65-105		6
3	One, two and three-dimensional geometric constraints and climatic correlates of North American tree species richness. <i>Ecography</i> , <b>2011</b> , 34, 267-275	6.5	5
2	Effective control of aquatic invasive species in tropical Australia. <i>Environmental Management</i> , <b>2011</b> , 48, 568-76	3.1	3
1	Response to commentary by Woinarski (Critical-weight-range marsupials in northern Australia are declining: a commentary on Fisher et al. (2014) The current decline of tropical marsupials in Australia: is history repeating?). <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 123-125	6.1	2