

# Reid Tingley

## List of Publications by Citations

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73  
papers

3,760  
citations

29  
h-index

61  
g-index

78  
ext. papers

4,756  
ext. citations

5  
avg. IF

5.38  
L-index

#	Paper	IF	Citations
73	Predicting species distributions for conservation decisions. <i>Ecology Letters</i> , <b>2013</b> , 16, 1424-35	10	985
72	Is my species distribution model fit for purpose? Matching data and models to applications. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 276-292	6.1	460
71	Understanding co-occurrence by modelling species simultaneously with a Joint Species Distribution Model (JSDM). <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 397-406	7.7	329
70	Realized niche shift during a global biological invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10233-8	11.5	175
69	Statistical approaches to account for false-positive errors in environmental DNA samples. <i>Molecular Ecology Resources</i> , <b>2016</b> , 16, 673-85	8.4	115
68	Environmental DNA sampling is more sensitive than a traditional survey technique for detecting an aquatic invader. <i>Ecological Applications</i> , <b>2015</b> , 25, 1944-52	4.9	106
67	Smart moves: effects of relative brain size on establishment success of invasive amphibians and reptiles. <i>PLoS ONE</i> , <b>2011</b> , 6, e18277	3.7	100
66	Microclimate modelling at macro scales: a test of a general microclimate model integrated with gridded continental-scale soil and weather data. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 273-286	7.7	93
65	When trends intersect: The challenge of protecting freshwater ecosystems under multiple land use and hydrological intensification scenarios. <i>Science of the Total Environment</i> , <b>2015</b> , 534, 65-78	10.2	74
64	Conservation planners tend to ignore improved accuracy of modelled species distributions to focus on multiple threats and ecological processes. <i>Biological Conservation</i> , <b>2016</b> , 199, 157-171	6.2	73
63	Assessing the cost-efficiency of environmental DNA sampling. <i>Methods in Ecology and Evolution</i> , <b>2016</b> , 7, 1291-1298	7.7	66
62	Dealing with false-positive and false-negative errors about species occurrence at multiple levels. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 1081-1091	7.7	62
61	Life-history traits and extrinsic threats determine extinction risk in New Zealand lizards. <i>Biological Conservation</i> , <b>2013</b> , 165, 62-68	6.2	62
60	Desiccation risk drives the spatial ecology of an invasive anuran ( <i>Rhinella marina</i> ) in the Australian semi-desert. <i>PLoS ONE</i> , <b>2011</b> , 6, e25979	3.7	55
59	New Weapons in the Toad Toolkit: A Review of Methods to Control and Mitigate the Biodiversity Impacts of Invasive Cane Toads ( <i>Rhinella Marina</i> ). <i>Quarterly Review of Biology</i> , <b>2017</b> , 92, 123-49	5.4	54
58	Detecting extinction risk from climate change by IUCN Red List criteria. <i>Conservation Biology</i> , <b>2014</b> , 28, 810-9	6	54
57	Salinity influences the distribution of marine snakes: implications for evolutionary transitions to marine life. <i>Ecography</i> , <b>2012</b> , 35, 994-1003	6.5	48

56	The seven lamps of planning for biodiversity in the city. <i>Cities</i> , <b>2018</b> , 83, 44-53	5.6	48
55	Hydric balance and locomotor performance of an anuran ( <i>Rhinella marina</i> ) invading the Australian arid zone. <i>Oikos</i> , <b>2012</b> , 121, 1959-1965	4	43
54	Establishment success of introduced amphibians increases in the presence of congeneric species. <i>American Naturalist</i> , <b>2011</b> , 177, 382-8	3.7	43
53	Quantifying extinction risk and forecasting the number of impending Australian bird and mammal extinctions. <i>Pacific Conservation Biology</i> , <b>2018</b> , 24, 157	1.2	43
52	Identifying optimal barriers to halt the invasion of cane toads <i>Rhinella marina</i> in arid Australia. <i>Journal of Applied Ecology</i> , <b>2013</b> , 50, 129-137	5.8	42
51	Predicting the distribution of the Asian tapir in Peninsular Malaysia using maximum entropy modeling. <i>Integrative Zoology</i> , <b>2012</b> , 7, 400-406	1.9	37
50	Addressing knowledge gaps in reptile conservation. <i>Biological Conservation</i> , <b>2016</b> , 204, 1-5	6.2	36
49	Congener diversity, topographic heterogeneity and human-assisted dispersal predict spread rates of alien herpetofauna at a global scale. <i>Ecology Letters</i> , <b>2014</b> , 17, 821-9	10	35
48	Patterns of niche filling and expansion across the invaded ranges of an Australian lizard. <i>Ecography</i> , <b>2016</b> , 39, 270-280	6.5	34
47	The frog filter: amphibian introduction bias driven by taxonomy, body size and biogeography. <i>Global Ecology and Biogeography</i> , <b>2010</b> , 19, 496	6.1	34
46	A comparison of joint species distribution models for presence-absence data. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 198-211	7.7	33
45	Optimal survey designs for environmental DNA sampling. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1049-1059	7.1	31
44	Integrating mechanistic and correlative niche models to unravel range-limiting processes in a temperate amphibian. <i>Global Change Biology</i> , <b>2019</b> , 25, 2633-2647	11.4	27
43	Land-cover data improve bioclimatic models for anurans and turtles at a regional scale. <i>Journal of Biogeography</i> , <b>2009</b> , 36, 1656-1672	4.1	26
42	Using species co-occurrence patterns to quantify relative habitat breadth in terrestrial vertebrates. <i>Ecosphere</i> , <b>2014</b> , 5, art152	3.1	24
41	Integrating transport pressure data and species distribution models to estimate invasion risk for alien stowaways. <i>Ecography</i> , <b>2018</b> , 41, 635-646	6.5	24
40	Risk of biological invasions is concentrated in biodiversity hotspots. <i>Frontiers in Ecology and the Environment</i> , <b>2016</b> , 14, 411-417	5.5	24
39	Geographic and taxonomic patterns of extinction risk in Australian squamates. <i>Biological Conservation</i> , <b>2019</b> , 238, 108203	6.2	23

38	Triazene derivatives of (1,x)-diazacycloalkanes. Part III. Synthesis and characterization of a series of 1,4-di[2-aryl-1-diazenyl]piperazines. <i>Canadian Journal of Chemistry</i> , <b>2005</b> , 83, 471-476	0.9	17
37	Niche shifts and environmental non-equilibrium undermine the usefulness of ecological niche models for invasion risk assessments. <i>Scientific Reports</i> , <b>2020</b> , 10, 7972	4.9	14
36	The genetic backburn: using rapid evolution to halt invasions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283, 20153037	4.4	14
35	Behavioral and physiological correlates of the geographic distributions of amphibious sea kraits ( <i>Laticauda</i> spp.). <i>Journal of Sea Research</i> , <b>2013</b> , 76, 1-4	1.9	14
34	European newts establish in Australia, marking the arrival of a new amphibian order. <i>Biological Invasions</i> , <b>2015</b> , 17, 31-37	2.7	13
33	Reptiles on the brink: identifying the Australian terrestrial snake and lizard species most at risk of extinction. <i>Pacific Conservation Biology</i> , <b>2021</b> , 27, 3	1.2	13
32	The roles of acclimation and behaviour in buffering climate change impacts along elevational gradients. <i>Journal of Animal Ecology</i> , <b>2020</b> , 89, 1722-1734	4.7	11
31	Threatened and invasive reptiles are not two sides of the same coin. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 1050-1060	6.1	11
30	Environmental DNA sampling as a surveillance tool for cane toad <i>Rhinella marina</i> introductions on offshore islands. <i>Biological Invasions</i> , <b>2019</b> , 21, 1-6	2.7	11
29	Cost and feasibility of a barrier to halt the spread of invasive cane toads in arid Australia: incorporating expert knowledge into model-based decision-making. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 216-224	5.8	11
28	Triazene derivatives of (1,x)-diazacycloalkanes. Part V.1 Synthesis and characterization of 4-ethyl-3-((6-ethyl-3-[2-aryl-1-diazenyl]hexahydro-1-pyrimidinyl)methyl)-1-[2-aryl-1-diazenyl]hexahydropyrimidines from the reaction of diazonium salts with mixtures of formaldehyde and 1,3-diaminopentane. <i>Canadian Journal of Chemistry</i> , <b>2005</b> , 83, 1799-1807	0.9	11
27	Action Plan for Australian Lizards and Snakes 2017 <b>2019</b> ,		11
26	steps: Software for spatially and temporally explicit population simulations. <i>Methods in Ecology and Evolution</i> , <b>2020</b> , 11, 596-603	7.7	10
25	Disparity in the timing of vertebrate diversification events between the northern and southern hemispheres. <i>BMC Evolutionary Biology</i> , <b>2012</b> , 12, 244	3	9
24	Intra-specific niche partitioning obscures the importance of fine-scale habitat data in species distribution models. <i>Biodiversity and Conservation</i> , <b>2010</b> , 19, 2455-2467	3.4	7
23	Interactive effects of climate change and fire on metapopulation viability of a forest-dependent frog in south-eastern Australia. <i>Biological Conservation</i> , <b>2015</b> , 190, 142-153	6.2	6
22	Long-term monitoring reveals declines in an endemic predator following invasion by an exotic prey species. <i>Animal Conservation</i> , <b>2016</b> , 19, 75-87	3.2	6
21	Multispecies models reveal that eDNA metabarcoding is more sensitive than backpack electrofishing for conducting fish surveys in freshwater streams. <i>Molecular Ecology</i> , <b>2021</b> , 30, 3111-3126 <sup>5.7</sup>	5.7	5

20	A national-scale dataset for threats impacting Australia's imperiled flora and fauna. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 11749-11761	2.8	5
19	X-ray crystal structures of two polymorphic forms, monoclinic and triclinic, of: 1-[(E)-2-(4-bromophenyl)-1-diazenyl]-3-({3-[(E)-2-(4-bromophenyl)-1-diazenyl]-6-ethylhexahydro-1-pyrimidinyl)methyl)-4- <i>Journal of Chemical Crystallography</i> , <b>2005</b> , 35, 821-828		
18	Rapid assessment of the biodiversity impacts of the 2019-2020 Australian megafires to guide urgent management intervention and recovery and lessons for other regions. <i>Diversity and Distributions</i> ,	5	4
17	Conservation status of the world's skinks (Scincidae): Taxonomic and geographic patterns in extinction risk. <i>Biological Conservation</i> , <b>2021</b> , 257, 109101	6.2	4
16	Accounting for false positive detections in occupancy studies based on environmental DNA: A case study of a threatened freshwater fish ( <i>Galaxiella pusilla</i> ). <i>Environmental DNA</i> , <b>2021</b> , 3, 388-397	7.6	4
15	Defining and evaluating predictions of joint species distribution models. <i>Methods in Ecology and Evolution</i> , <b>2021</b> , 12, 394-404	7.7	4
14	Triazene derivatives of (1,x)-diazacycloalkanes. Part VIII. Synthesis and characterization of a series of 1,4-di[2-aryl-1-diazenyl]-2-methylpiperazines <sup>1</sup> . <i>Canadian Journal of Chemistry</i> , <b>2007</b> , 85, 189-196	0.9	3
13	A return-on-investment approach for prioritization of rigorous taxonomic research needed to inform responses to the biodiversity crisis. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001210	9.7	3
12	Correlates of extinction risk in Australian squamate reptiles. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2144-2152	4.1	3
11	Automated assessment reveals that the extinction risk of reptiles is widely underestimated across space and phylogeny. <i>PLoS Biology</i> , <b>2022</b> , 20, e3001544	9.7	3
10	The on-ground feasibility of a waterless barrier to stop the spread of invasive cane toads in Western Australia. <i>Conservation Science and Practice</i> , <b>2019</b> , 1, e74	2.2	2
9	Analyses of extinction risk are an important part of the conservation process [Reply to Monks. <i>Biological Conservation</i> , <b>2013</b> , 168, 224-225	6.2	2
8	Policy-relevant indicators for invasive alien species assessment and reporting		2
7	Triazene derivatives of (1,x)-diazacycloalkanes. Part VI. 3-({5,5-Dimethyl-3-[2-aryl-1-diazenyl]-1-imidazolidinyl)methyl)-4,4-dimethyl-1-[2-aryl-1-diazenyl]imidazolidines <sup>1</sup> [Synthesis, characterization, and X-ray crystal structure. <i>Canadian Journal of Chemistry</i> , <b>2006</b> , 84, 1294-1300		
6	X-Ray crystal structure determination of a series of 1-aryl-2-[3-(3-[2-aryl-1-diazenyl]-1,3-diazepan-1-yl)methyl)-1,3-diazepan-1-yl]-1-diazenes obtained from the reaction of diazonium salts with mixtures of formaldehyde and 1,4-diaminobutane. <i>Journal of Chemical Crystallography</i> , <b>2006</b> , 36, 831-839	0.5	1
5	Estimating the benefit of quarantine: eradicating invasive cane toads from islands. <i>NeoBiota</i> , <b>2010</b> , 60, 117-136	4.2	1
4	Rock removal associated with agricultural intensification will exacerbate the loss of reptile diversity. <i>Journal of Applied Ecology</i> , <b>2021</b> , 58, 1557	5.8	1
3	A demographic framework for understanding fire-driven reptile declines in the [End of the lizards] <i>Global Ecology and Biogeography</i> ,	6.1	1

- 2 Triazene derivatives of (1,x)-diazacycloalkanes. Part X. Synthesis and characterization of a series of 1,4-di[2-aryl-1-diazenyl]-trans-2,5-dimethylpiperazines. *Canadian Journal of Chemistry*, **2014**, 92, 665-669<sup>0.9</sup> ○
- 1 Triazene derivatives of (1,x)-diazacycloalkanes. Part VII. Synthesis of a series of 1-aryl-2-[3-(3-[2-aryl-1-diazenyl]-1,3-diazepan-1-ylmethyl)-1,3-diazepan-1-yl]-1-diazenes from the reaction of diazonium salts with mixtures of formaldehyde and 1,4-diaminobutane. *Canadian Journal of Chemistry*, **2006**, 84, 1434-1441 0.9