

Daniel L Rabosky

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.

101
papers

10,034
citations

43
h-index

100
g-index

107
ext. papers

11,990
ext. citations

7.3
avg, IF

7.22
L-index

#	Paper	IF	Citations
101	Impacts of the Cretaceous Terrestrial Revolution and KPg extinction on mammal diversification. <i>Science</i> , 2011 , 334, 521-4	33.3	1024
100	Automatic detection of key innovations, rate shifts, and diversity-dependence on phylogenetic trees. <i>PLoS ONE</i> , 2014 , 9, e89543	3.7	702
99	Nine exceptional radiations plus high turnover explain species diversity in jawed vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13410-4	11.5	643
98	BAMMtools: an R package for the analysis of evolutionary dynamics on phylogenetic trees. <i>Methods in Ecology and Evolution</i> , 2014 , 5, 701-707	7.7	502
97	Rates of speciation and morphological evolution are correlated across the largest vertebrate radiation. <i>Nature Communications</i> , 2013 , 4, 1958	17.4	409
96	Extinction rates should not be estimated from molecular phylogenies. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 1816-24	3.8	399
95	Macroevolutionary dynamics and historical biogeography of primate diversification inferred from a species supermatrix. <i>PLoS ONE</i> , 2012 , 7, e49521	3.7	361
94	Ecological limits and diversification rate: alternative paradigms to explain the variation in species richness among clades and regions. <i>Ecology Letters</i> , 2009 , 12, 735-43	10	346
93	An inverse latitudinal gradient in speciation rate for marine fishes. <i>Nature</i> , 2018 , 559, 392-395	50.4	314
92	Model inadequacy and mistaken inferences of trait-dependent speciation. <i>Systematic Biology</i> , 2015 , 64, 340-55	8.4	308
91	Explosive evolutionary radiations: decreasing speciation or increasing extinction through time?. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 1866-75	3.8	307
90	Density-dependent diversification in North American wood warblers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 2363-71	4.4	285
89	Radiation of extant cetaceans driven by restructuring of the oceans. <i>Systematic Biology</i> , 2009 , 58, 573-85	8.4	263
88	Molecular phylogenetics and the diversification of hummingbirds. <i>Current Biology</i> , 2014 , 24, 910-6	6.3	252
87	LASER: A Maximum Likelihood Toolkit for Detecting Temporal Shifts in Diversification Rates from Molecular Phylogenies. <i>Evolutionary Bioinformatics</i> , 2006 , 2, 117693430600200	1.9	230
86	Exceptional among-lineage variation in diversification rates during the radiation of Australia's most diverse vertebrate clade. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2915-23	4.4	179
85	Speciation dynamics during the global radiation of extant bats. <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 1528-1545	3.8	177

84	Equilibrium speciation dynamics in a model adaptive radiation of island lizards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 22178-83	11.5	174
83	Analysis and visualization of complex macroevolutionary dynamics: an example from Australian scincid lizards. <i>Systematic Biology</i> , 2014 , 63, 610-27	8.4	170
82	Species richness at continental scales is dominated by ecological limits. <i>American Naturalist</i> , 2015 , 185, 572-83	3.7	165
81	Diversity-Dependence, Ecological Speciation, and the Role of Competition in Macroevolution. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013 , 44, 481-502	13.5	164
80	Is BAMM Flawed? Theoretical and Practical Concerns in the Analysis of Multi-Rate Diversification Models. <i>Systematic Biology</i> , 2017 , 66, 477-498	8.4	160
79	Ecological limits on clade diversification in higher taxa. <i>American Naturalist</i> , 2009 , 173, 662-74	3.7	151
78	Clade age and species richness are decoupled across the eukaryotic tree of life. <i>PLoS Biology</i> , 2012 , 10, e1001381	9.7	148
77	Diversity dynamics of marine planktonic diatoms across the Cenozoic. <i>Nature</i> , 2009 , 457, 183-6	50.4	114
76	LASER: a maximum likelihood toolkit for detecting temporal shifts in diversification rates from molecular phylogenies. <i>Evolutionary Bioinformatics</i> , 2007 , 2, 273-6	1.9	114
75	Rates of morphological evolution are correlated with species richness in salamanders. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 1807-18	3.8	98
74	A Robust Semi-Parametric Test for Detecting Trait-Dependent Diversification. <i>Systematic Biology</i> , 2016 , 65, 181-93	8.4	91
73	Macroevolutionary speciation rates are decoupled from the evolution of intrinsic reproductive isolation in <i>Drosophila</i> and birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15354-9	11.5	88
72	Likelihood methods for detecting temporal shifts in diversification rates. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 1152-64	3.8	87
71	No substitute for real data: A cautionary note on the use of phylogenies from birth-death polytomy resolvers for downstream comparative analyses. <i>Evolution; International Journal of Organic Evolution</i> , 2015 , 69, 3207-16	3.8	86
70	Reinventing species selection with molecular phylogenies. <i>Trends in Ecology and Evolution</i> , 2010 , 25, 68-74	10.9	86
69	Coral snakes predict the evolution of mimicry across New World snakes. <i>Nature Communications</i> , 2016 , 7, 11484	17.4	71
68	Heritability of extinction rates links diversification patterns in molecular phylogenies and fossils. <i>Systematic Biology</i> , 2009 , 58, 629-40	8.4	68
67	Challenges in the estimation of extinction from molecular phylogenies: A response to Beaulieu and O'Meara. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 218-28	3.8	66

66	Python phylogenetics: inference from morphology and mitochondrial DNA. <i>Biological Journal of the Linnean Society</i> , 2008 , 93, 603-619	1.9	56
65	Tip rates, phylogenies and diversification: What are we estimating, and how good are the estimates?. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 821-834	7.7	55
64	FiSSE: A simple nonparametric test for the effects of a binary character on lineage diversification rates. <i>Evolution; International Journal of Organic Evolution</i> , 2017 , 71, 1432-1442	3.8	53
63	Primary controls on species richness in higher taxa. <i>Systematic Biology</i> , 2010 , 59, 634-45	8.4	51
62	Positive association between population genetic differentiation and speciation rates in New World birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6328-6333	11.5	49
61	Sexual selection and diversification: reexamining the correlation between dichromatism and speciation rate in birds. <i>American Naturalist</i> , 2014 , 184, E101-14	3.7	46
60	An R package and online resource for macroevolutionary studies using the ray-finned fish tree of life. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 1118-1124	7.7	45
59	Phenotypic Evolution in Fossil Species: Pattern and Process. <i>Annual Review of Earth and Planetary Sciences</i> , 2014 , 42, 421-441	15.3	45
58	Species interactions mediate phylogenetic community structure in a hyperdiverse lizard assemblage from arid Australia. <i>American Naturalist</i> , 2011 , 178, 579-95	3.7	42
57	Reproductive isolation and the causes of speciation rate variation in nature. <i>Biological Journal of the Linnean Society</i> , 2016 , 118, 13-25	1.9	42
56	Continuous traits and speciation rates: Alternatives to state-dependent diversification models. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 984-993	7.7	39
55	Phylogenetic tests for evolutionary innovation: the problematic link between key innovations and exceptional diversification. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	38
54	Minimal effects of latitude on present-day speciation rates in New World birds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142889	4.4	38
53	Beyond Reproductive Isolation: Demographic Controls on the Speciation Process. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019 , 50, 75-95	13.5	36
52	Bayesian model selection with BAMM: effects of the model prior on the inferred number of diversification shifts. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 37-46	7.7	32
51	On age and species richness of higher taxa. <i>American Naturalist</i> , 2014 , 184, 447-55	3.7	32
50	Overdispersion of body size in Australian desert lizard communities at local scales only: no evidence for the Narcissus effect. <i>Oecologia</i> , 2007 , 154, 561-70	2.9	32
49	Positive correlation between diversification rates and phenotypic evolvability can mimic punctuated equilibrium on molecular phylogenies. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 2622-7	3.8	29

48	BAMM at the court of false equivalency: A response to Meyer and Wiens. <i>Evolution; International Journal of Organic Evolution</i> , 2018 , 72, 2246-2256	3.8	27
47	Disentangling the influence of climatic and geological changes on species radiations. <i>Journal of Biogeography</i> , 2014 , 41, 1313-1325	4.1	27
46	Trophic divergence despite morphological convergence in a continental radiation of snakes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	22
45	Inferring Diversification Rate Variation From Phylogenies With Fossils. <i>Systematic Biology</i> , 2019 , 68, 1-188.4	4	22
44	Phylogenetic disassembly of species boundaries in a widespread group of Australian skinks (Scincidae: Ctenotus). <i>Molecular Phylogenetics and Evolution</i> , 2014 , 77, 71-82	4.1	21
43	Estimating Diversification Rates on Incompletely Sampled Phylogenies: Theoretical Concerns and Practical Solutions. <i>Systematic Biology</i> , 2020 , 69, 602-611	8.4	21
42	Squamate Conserved Loci (SqCL): A unified set of conserved loci for phylogenomics and population genetics of squamate reptiles. <i>Molecular Ecology Resources</i> , 2017 , 17, e12-e24	8.4	20
41	Molecular evidence for hybridization between two Australian desert skinks, <i>Ctenotus leonhardii</i> and <i>Ctenotus quattuordecimlineatus</i> (Scincidae: Squamata). <i>Molecular Phylogenetics and Evolution</i> , 2009 , 53, 368-77	4.1	20
40	Testing the time-for-speciation effect in the assembly of regional biotas. <i>Methods in Ecology and Evolution</i> , 2012 , 3, 224-233	7.7	19
39	Problems detecting density-dependent diversification on phylogenies: reply to Bokma. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 995-997	4.4	19
38	Real-world conservation planning for evolutionary diversity in the Kimberley, Australia, sidesteps uncertain taxonomy. <i>Conservation Letters</i> , 2018 , 11, e12438	6.9	18
37	Do Macrophylogenies Yield Stable Macroevolutionary Inferences? An Example from Squamate Reptiles. <i>Systematic Biology</i> , 2017 , 66, 843-856	8.4	18
36	Does Population Structure Predict the Rate of Speciation? A Comparative Test across Australia's Most Diverse Vertebrate Radiation. <i>American Naturalist</i> , 2018 , 192, 432-447	3.7	17
35	Thermal physiological traits in tropical lowland amphibians: Vulnerability to climate warming and cooling. <i>PLoS ONE</i> , 2019 , 14, e0219759	3.7	17
34	Speciation rate and the diversity of fishes in freshwaters and the oceans. <i>Journal of Biogeography</i> , 2020 , 47, 1207-1217	4.1	15
33	Sex-linked genomic variation and its relationship to avian plumage dichromatism and sexual selection. <i>BMC Evolutionary Biology</i> , 2015 , 15, 199	3	15
32	Phylogenies and Diversification Rates: Variance Cannot Be Ignored. <i>Systematic Biology</i> , 2019 , 68, 538-550.4	4	14
31	Unlinked Mendelian inheritance of red and black pigmentation in snakes: Implications for Batesian mimicry. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 944-53	3.8	11

30	Evolutionary radiation of earless frogs in the Andes: molecular phylogenetics and habitat shifts in high-elevation terrestrial breeding frogs. <i>PeerJ</i> , 2018 , 6, e4313	3.1	10
29	Digitizing extant bat diversity: An open-access repository of 3D μ CT-scanned skulls for research and education. <i>PLoS ONE</i> , 2018 , 13, e0203022	3.7	10
28	Genetic diversity is largely unpredictable but scales with museum occurrences in a species-rich clade of Australian lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	9
27	What makes a fang? Phylogenetic and ecological controls on tooth evolution in rear-fanged snakes. <i>BMC Evolutionary Biology</i> , 2020 , 20, 80	3	9
26	Congruence and Conflict in the Higher-Level Phylogenetics of Squamate Reptiles: An Expanded Phylogenomic Perspective. <i>Systematic Biology</i> , 2021 , 70, 542-557	8.4	9
25	Evolutionary bangs and whimpers: methodological advances and conceptual frameworks for studying exceptional diversification. <i>Systematic Biology</i> , 2010 , 59, 615-8	8.4	8
24	Is genomic diversity a useful proxy for census population size? Evidence from a species-rich community of desert lizards. <i>Molecular Ecology</i> , 2019 , 28, 1664-1674	5.7	6
23	Complex Ecological Phenotypes on Phylogenetic Trees: A Markov Process Model for Comparative Analysis of Multivariate Count Data. <i>Systematic Biology</i> , 2020 , 69, 1200-1211	8.4	6
22	Stable isotope ecology of a hyper-diverse community of scincid lizards from arid Australia. <i>PLoS ONE</i> , 2017 , 12, e0172879	3.7	6
21	Ecological and biogeographic drivers of biodiversity cannot be resolved using clade age-richness data. <i>Nature Communications</i> , 2021 , 12, 2945	17.4	6
20	Detecting Lineage-Specific Shifts in Diversification: A Proper Likelihood Approach. <i>Systematic Biology</i> , 2021 , 70, 389-407	8.4	6
19	Ecomorphological and phylogenetic controls on sympatry across extant bats. <i>Journal of Biogeography</i> , 2018 , 45, 1560-1570	4.1	6
18	Metabolically similar cohorts of bacteria exhibit strong cooccurrence patterns with diet items and eukaryotic microbes in lizard guts. <i>Ecology and Evolution</i> , 2019 , 9, 12471-12481	2.8	5
17	Trophic evolution in African citharinoid fishes (Teleostei: Characiformes) and the origin of intraordinal pterygophagy. <i>Molecular Phylogenetics and Evolution</i> , 2017 , 113, 23-32	4.1	4
16	Biodiversity across space and time in the fossil record. <i>Current Biology</i> , 2021 , 31, R1225-R1236	6.3	4
15	Speciation in the mountains and dispersal by rivers: Molecular phylogeny of <i>Eulamprus</i> water skinks and the biogeography of Eastern Australia. <i>Journal of Biogeography</i> , 2018 , 45, 2040-2052	4.1	4
14	The Western Amazonian Richness Gradient for Squamate Reptiles: Are There Really Fewer Snakes and Lizards in Southwestern Amazonian Lowlands?. <i>Diversity</i> , 2019 , 11, 199	2.5	3
13	Lizards in pinstripes: morphological and genomic evidence for two new species of scincid lizards within <i>Ctenotus piankai</i> Storr and <i>C. duricola</i> Storr (Reptilia: Scincidae) in the Australian arid zone. <i>Zootaxa</i> , 2017 , 4303, 1	0.5	3

12	Tip rates, phylogenies, and diversification: what are we estimating, and how good are the estimates?		3
11	A return-on-investment approach for prioritization of rigorous taxonomic research needed to inform responses to the biodiversity crisis. <i>PLoS Biology</i> , 2021 , 19, e3001210	9.7	3
10	Rapid increase in snake dietary diversity and complexity following the end-Cretaceous mass extinction. <i>PLoS Biology</i> , 2021 , 19, e3001414	9.7	2
9	Macroevolutionary analysis of discrete traits with rate heterogeneity		2
8	A test for rate-coupling of trophic and cranial evolutionary dynamics in New World bats. <i>Evolution; International Journal of Organic Evolution</i> , 2021 , 75, 861-875	3.8	2
7	Phylogenies and diversification rates: variance cannot be ignored		1
6	Genetic and Ecogeographic Controls on Species Cohesion in Australia's Most Diverse Lizard Radiation.. <i>American Naturalist</i> , 2022 , 199, E57-E75	3.7	1
5	Desert lizard diversity worldwide: Effects of environment, time, and evolutionary rate. <i>Global Ecology and Biogeography</i> , 2022 , 31, 776-790	6.1	1
4	Macroevolutionary thermodynamics: Temperature and the tempo of evolution in the tropics. <i>PLoS Biology</i> , 2021 , 19, e3001368	9.7	0
3	Speciation in Birds and More. <i>Conservation Biology</i> , 2009 , 23, 506-508	6	
2	Speciation. <i>Auk</i> , 2005 , 122, 371-373	2.1	
1	Speciation. <i>Auk</i> , 2005 , 122, 371	2.1	