

Liam J Revell

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

12,948
citations

147801

31
h-index

149698

56
g-index

64
all docs

64
docs citations

64
times ranked

15441
citing authors

#	ARTICLE	IF	CITATIONS
1	phytools: an R package for phylogenetic comparative biology (and other things). <i>Methods in Ecology and Evolution</i> , 2012, 3, 217-223.	5.2	7,280
2	Phylogenetic signal and linear regression on species data. <i>Methods in Ecology and Evolution</i> , 2010, 1, 319-329.	5.2	721
3	Phylogenetic Signal, Evolutionary Process, and Rate. <i>Systematic Biology</i> , 2008, 57, 591-601.	5.6	714
4	SIZE-CORRECTION AND PRINCIPAL COMPONENTS FOR INTERSPECIFIC COMPARATIVE STUDIES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 3258-3268.	2.3	686
5	ECOLOGICAL OPPORTUNITY AND THE RATE OF MORPHOLOGICAL EVOLUTION IN THE DIVERSIFICATION OF GREATER ANTILLEAN ANOLES. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2731-2745.	2.3	389
6	Exceptional Convergence on the Macroevolutionary Landscape in Island Lizard Radiations. <i>Science</i> , 2013, 341, 292-295.	12.6	384
7	Rapid evolution of a native species following invasion by a congener. <i>Science</i> , 2014, 346, 463-466.	12.6	269
8	Two new graphical methods for mapping trait evolution on phylogenies. <i>Methods in Ecology and Evolution</i> , 2013, 4, 754-759.	5.2	234
9	Genome-wide interrogation advances resolution of recalcitrant groups in the tree of life. <i>Nature Ecology and Evolution</i> , 2017, 1, 20.	7.8	193
10	Phenotypic shifts in urban areas in the tropical lizard <i>Anolis cristatellus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1009-1022.	2.3	162
11	A PHYLOGENETIC TEST FOR ADAPTIVE CONVERGENCE IN ROCK-DWELLING LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2898-2912.	2.3	127
12	PHYLOGENETIC ANALYSIS OF THE EVOLUTIONARY CORRELATION USING LIKELIHOOD. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1090-1100.	2.3	124
13	ANCESTRAL CHARACTER ESTIMATION UNDER THE THRESHOLD MODEL FROM QUANTITATIVE GENETICS. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 743-759.	2.3	119
14	Toward a Tree-of-Life for the boas and pythons: Multilocus species-level phylogeny with unprecedented taxon sampling. <i>Molecular Phylogenetics and Evolution</i> , 2014, 71, 201-213.	2.7	104
15	A NEW PHYLOGENETIC METHOD FOR IDENTIFYING EXCEPTIONAL PHENOTYPIC DIVERSIFICATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 135-146.	2.3	95
16	Under-parameterized Model of Sequence Evolution Leads to Bias in the Estimation of Diversification Rates from Molecular Phylogenies. <i>Systematic Biology</i> , 2005, 54, 973-983.	5.6	93
17	FITTING MODELS OF CONTINUOUS TRAIT EVOLUTION TO INCOMPLETELY SAMPLED COMPARATIVE DATA USING APPROXIMATE BAYESIAN COMPUTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 752-762.	2.3	77
18	BEHAVIORAL CONVERGENCE AND ADAPTIVE RADIATION: EFFECTS OF HABITAT USE ON TERRITORIAL BEHAVIOR IN ANOLIS LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1151-1159.	2.3	76

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19	Linking locomotor performance to morphological shifts in urban lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180229.	2.6	73
20	THE G MATRIX UNDER FLUCTUATING CORRELATIONAL MUTATION AND SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1857-1872.	2.3	71
21	CONVERGENT EVOLUTION OF PHENOTYPIC INTEGRATION AND ITS ALIGNMENT WITH MORPHOLOGICAL DIVERSIFICATION IN CARIBBEAN ANOLIS ECOMORPHS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3608-3624.	2.3	64
22	PCCA: a program for phylogenetic canonical correlation analysis. <i>Bioinformatics</i> , 2008, 24, 1018-1020.	4.1	63
23	Biting disrupts integration to spur skull evolution in eels. <i>Nature Communications</i> , 2014, 5, 5505.	12.8	60
24	Repeated modification of early limb morphogenesis programmes underlies the convergence of relative limb length in <i>Anolis</i> lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 739-748.	2.6	59
25	On the Analysis of Evolutionary Change along Single Branches in a Phylogeny. <i>American Naturalist</i> , 2008, 172, 140-147.	2.1	54
26	A NEW BAYESIAN METHOD FOR FITTING EVOLUTIONARY MODELS TO COMPARATIVE DATA WITH INTRASPECIFIC VARIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2697-2707.	2.3	52
27	Rphylip: an R interface for PHYLIP. <i>Methods in Ecology and Evolution</i> , 2014, 5, 976-981.	5.2	50
28	Divergent habitat use of two urban lizard species. <i>Ecology and Evolution</i> , 2018, 8, 25-35.	1.9	41
29	Molecular phylogeny and historical biogeography of West Indian boid snakes (<i>Chilabothrus</i>). <i>Molecular Phylogenetics and Evolution</i> , 2013, 68, 461-470.	2.7	39
30	Early giant reveals faster evolution of large body size in ichthyosaurs than in cetaceans. <i>Science</i> , 2021, 374, eabf5787.	12.6	35
31	A phylogenetic perspective on foraging mode evolution and habitat use in West Indian <i>Anolis</i> lizards. <i>Animal Behaviour</i> , 2008, 75, 555-563.	1.9	34
32	Divergence in coloration and ecological speciation in the <i>Anolis marmoratus</i> species complex. <i>Molecular Ecology</i> , 2013, 22, 2668-2682.	3.9	32
33	Tails of the City: Caudal Autotomy in the Tropical Lizard, <i>Anolis cristatellus</i> , in Urban and Natural Areas of Puerto Rico. <i>Journal of Herpetology</i> , 2016, 50, 435-441.	0.5	29
34	A Comment on the Use of Stochastic Character Maps to Estimate Evolutionary Rate Variation in a Continuously Valued Trait. <i>Systematic Biology</i> , 2013, 62, 339-345.	5.6	25
35	Ecological specialization and morphological diversification in Greater Antillean boas. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 1882-1895.	2.3	24
36	Phylogenetic signal and evolutionary correlates of urban tolerance in a widespread neotropical lizard clade*. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1274-1288.	2.3	24

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37	Graphical Methods for Visualizing Comparative Data on Phylogenies. , 2014, , 77-103.		23
38	Comparing evolutionary rates between trees, clades and traits. <i>Methods in Ecology and Evolution</i> , 2018, 9, 994-1005.	5.2	23
39	Placing cryptic, recently extinct, or hypothesized taxa into an ultrametric phylogeny using continuous character data: A case study with the lizard <i>Anolis roosevelti</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1027-1035.	2.3	20
40	Phylogeographic and phenotypic outcomes of brown anole colonization across the Caribbean provide insight into the beginning stages of an adaptive radiation. <i>Journal of Evolutionary Biology</i> , 2020, 33, 468-494.	1.7	20
41	Genetic analysis of a novel invasion of Puerto Rico by an exotic constricting snake. <i>Biological Invasions</i> , 2013, 15, 953-959.	2.4	17
42	Archipelagic genetics in a widespread Caribbean anole. <i>Journal of Biogeography</i> , 2017, 44, 2631-2647.	3.0	17
43	The perils of city life: patterns of injury and fluctuating asymmetry in urban lizards. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 276-288.	1.6	16
44	Correlated evolution of flower size and seed number in flowering plants (monocotyledons). <i>Annals of Botany</i> , 2019, 123, 181-190.	2.9	16
45	A variable-rate quantitative trait evolution model using penalized-likelihood. <i>PeerJ</i> , 2021, 9, e11997.	2.0	16
46	TESTING THE GENETIC CONSTRAINT HYPOTHESIS IN A PHYLOGENETIC CONTEXT: A SIMULATION STUDY. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2720-2727.	2.3	13
47	Large divergence and low diversity suggest genetically informed conservation strategies for the endangered Virgin Islands Boa (<i>Chilabothrus monensis</i>). <i>Global Ecology and Conservation</i> , 2015, 3, 487-502.	2.1	11
48	Mesozoic origin of coleoid cephalopods and their abrupt shifts of diversification patterns. <i>Molecular Phylogenetics and Evolution</i> , 2022, 166, 107331.	2.7	11
49	Graphs in phylogenetic comparative analysis: Anscombe's quartet revisited. <i>Methods in Ecology and Evolution</i> , 2018, 9, 2145-2154.	5.2	9
50	Comparing the rates of speciation and extinction between phylogenetic trees. <i>Ecology and Evolution</i> , 2018, 8, 5303-5312.	1.9	8
51	Phenotypic response to a major hurricane in <i>Anolis</i> lizards in urban and forest habitats. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 880-895.	1.6	8
52	<i>learnPopGen</i> : An R package for population genetic simulation and numerical analysis. <i>Ecology and Evolution</i> , 2019, 9, 7896-7902.	1.9	7
53	Preliminary Genetic Analysis Supports Cave Populations as Targets for Conservation in the Endemic Endangered Puerto Rican Boa (<i>Boidae: Epicrates inornatus</i>). <i>PLoS ONE</i> , 2013, 8, e63899.	2.5	7
54	Variation in tail morphology across urban and forest populations of the crested anole (<i>Anolis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	1.6	6

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55	Using phylogenetic diversity to explore the socioeconomic and ecological drivers of a tropical, coastal urban forest. <i>Urban Forestry and Urban Greening</i> , 2021, 61, 127111.	5.3	6
56	Testing for genetic assimilation with phylogenetic comparative analysis: Conceptual, methodological, and statistical considerations. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1942-1952.	2.3	6
57	<i>covid19.Explorer</i> : a web application and R package to explore United States COVID-19 data. <i>PeerJ</i> , 2021, 9, e11489.	2.0	5
58	Historical allopatry and secondary contact or primary intergradation in the Puerto Rican crested anole, <i>Anolis cristatellus</i> , on Vieques Island in the Caribbean. <i>Biological Journal of the Linnean Society</i> , 0, .	1.6	1