

Adam D. Leach

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

6,471
citations

159585

30
h-index

71685

76
g-index

93
all docs

93
docs citations

93
times ranked

6801
citing authors

#	ARTICLE	IF	CITATIONS
1	Coalescent-based species delimitation in an integrative taxonomy. <i>Trends in Ecology and Evolution</i> , 2012, 27, 480-488.	8.7	716
2	Molecular Systematics of the Eastern Fence Lizard (<i>Sceloporus undulatus</i>): A Comparison of Parsimony, Likelihood, and Bayesian Approaches. <i>Systematic Biology</i> , 2002, 51, 44-68.	5.6	587
3	Bayesian species delimitation in West African forest geckos (<i>Hemidactylus fasciatus</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3071-3077.	2.6	485
4	Species Delimitation using Genome-Wide SNP Data. <i>Systematic Biology</i> , 2014, 63, 534-542.	5.6	390
5	Implementing and testing the multispecies coalescent model: A valuable paradigm for phylogenomics. <i>Molecular Phylogenetics and Evolution</i> , 2016, 94, 447-462.	2.7	321
6	The Influence of Gene Flow on Species Tree Estimation: A Simulation Study. <i>Systematic Biology</i> , 2014, 63, 17-30.	5.6	308
7	Short Tree, Long Tree, Right Tree, Wrong Tree: New Acquisition Bias Corrections for Inferring SNP Phylogenies. <i>Systematic Biology</i> , 2015, 64, 1032-1047.	5.6	286
8	The Accuracy of Species Tree Estimation under Simulation: A Comparison of Methods. <i>Systematic Biology</i> , 2011, 60, 126-137.	5.6	245
9	Quantifying ecological, morphological, and genetic variation to delimit species in the coast horned lizard species complex (<i>Phrynosoma</i>). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12418-12423.	7.1	212
10	The Spectre of Too Many Species. <i>Systematic Biology</i> , 2019, 68, 168-181.	5.6	189
11	Bergmann's Clines in Ectotherms: Illustrating a Life History Perspective with Sceloporine Lizards. <i>American Naturalist</i> , 2004, 164, E168-E183.	2.1	175
12	Species Tree Discordance Traces to Phylogeographic Clade Boundaries in North American Fence Lizards (<i>Sceloporus</i>). <i>Systematic Biology</i> , 2009, 58, 547-559.	5.6	163
13	Evaluating mechanisms of diversification in a Guineo-Congolian tropical forest frog using demographic model selection. <i>Molecular Ecology</i> , 2017, 26, 5245-5263.	3.9	157
14	Phylogenomics of Phrynosomatid Lizards: Conflicting Signals from Sequence Capture versus Restriction Site Associated DNA Sequencing. <i>Genome Biology and Evolution</i> , 2015, 7, 706-719.	2.5	154
15	Phylogenetic relationships of horned lizards (<i>Phrynosoma</i>) based on nuclear and mitochondrial data: Evidence for a misleading mitochondrial gene tree. <i>Molecular Phylogenetics and Evolution</i> , 2006, 39, 628-644.	2.7	143
16	The Utility of Single Nucleotide Polymorphism (SNP) Data in Phylogenetics. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 69-84.	8.3	141
17	Phylogeny, divergence times and species limits of spiny lizards (<i>Sceloporus magister</i> species) Tj ETQq1 1 0.784314 rgBT /Overlo	3.9	100
18	Two waves of diversification in mammals and reptiles of Baja California revealed by hierarchical Bayesian analysis. <i>Biology Letters</i> , 2007, 3, 646-650.	2.3	87

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19	Detecting the Anomaly Zone in Species Trees and Evidence for a Misleading Signal in Higher-Level Skink Phylogeny (Squamata: Scincidae).. <i>Systematic Biology</i> , 2016, 65, 465-477.	5.6	85
20	Species trees for spiny lizards (Genus <i>Sceloporus</i>): Identifying points of concordance and conflict between nuclear and mitochondrial data. <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 162-171.	2.7	79
21	A hybrid phylogeneticâ€“phylogenomic approach for species tree estimation in African <i>Agama</i> lizards with applications to biogeography, character evolution, and diversification. <i>Molecular Phylogenetics and Evolution</i> , 2014, 79, 215-230.	2.7	77
22	Phylogenomics of a rapid radiation: is chromosomal evolution linked to increased diversification in north american spiny lizards (Genus <i>Sceloporus</i>)?. <i>BMC Evolutionary Biology</i> , 2016, 16, 63.	3.2	76
23	A coalescent perspective on delimiting and naming species: a reply to Bauer et al.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 493-495.	2.6	65
24	Direct and Indirect Effects of Environmental Temperature on the Evolution of Reproductive Strategies: An Informationâ€“Theoretic Approach. <i>American Naturalist</i> , 2006, 168, E123-E135.	2.1	64
25	Phylogenomics and species delimitation in the knob-scaled lizards of the genus <i>Xenosaurus</i> (Squamata: Xenosauridae) using ddRADseq data reveal a substantial underestimation of diversity. <i>Molecular Phylogenetics and Evolution</i> , 2017, 106, 241-253.	2.7	63
26	Hybridization between multiple fence lizard lineages in an ecotone: locally discordant variation in mitochondrial DNA, chromosomes, and morphology. <i>Molecular Ecology</i> , 2007, 16, 1035-1054.	3.9	57
27	Discordance between genomic divergence and phenotypic variation in a rapidly evolving avian genus (<i>Motacilla</i>). <i>Molecular Phylogenetics and Evolution</i> , 2018, 120, 183-195.	2.7	50
28	Plastid Genomes of Five Species of Riverweeds (Podostemaceae): Structural Organization and Comparative Analysis in Malpighiales. <i>Frontiers in Plant Science</i> , 2019, 10, 1035.	3.6	43
29	Sexual Dichromatism Drives Diversification within a Major Radiation of African Amphibians. <i>Systematic Biology</i> , 2019, 68, 859-875.	5.6	41
30	Incubator birds: biogeographical origins and evolution of underground nesting in megapodes (Galliformes: Megapodiidae). <i>Journal of Biogeography</i> , 2014, 41, 2045-2056.	3.0	36
31	Phenotypic evolution in high-elevation populations of western fence lizards (<i>Sceloporus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 630-641.	1.6	33
32	Sky, sea, and forest islands: Diversification in the African leafâ€“folding frog <i>Afraxalus paradorsalis</i> (Anura: Hyperoliidae) of the Lower Guineoâ€“Congolian rain forest. <i>Journal of Biogeography</i> , 2018, 45, 1781-1794.	3.0	33
33	Comparative phylogeography of West African amphibians and reptiles. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 716-724.	2.3	31
34	Comparative Species Divergence across Eight Triplets of Spiny Lizards (<i>Sceloporus</i>) Using Genomic Sequence Data. <i>Genome Biology and Evolution</i> , 2013, 5, 2410-2419.	2.5	30
35	Locally adaptive Bayesian birth-death model successfully detects slow and rapid rate shifts. <i>PLoS Computational Biology</i> , 2020, 16, e1007999.	3.2	30
36	Resolving complex phylogeographic patterns in the Balkan Peninsula using closely related wall-lizard species as a model system. <i>Molecular Phylogenetics and Evolution</i> , 2018, 125, 100-115.	2.7	29

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37	Diversity and biogeography of frogs in the genus <i>Amnirana</i> (Anura: Ranidae) across sub-Saharan Africa. <i>Molecular Phylogenetics and Evolution</i> , 2018, 120, 274-285.	2.7	29
38	Exploring rain forest diversification using demographic model testing in the African foam-nest treefrog <i>Chiromantis rufescens</i> . <i>Journal of Biogeography</i> , 2019, 46, 2706-2721.	3.0	28
39	Speciation across mountains: Phylogenomics, species delimitation and taxonomy of the <i>Liolaemus leopardinus</i> clade (Squamata, Liolaemidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 139, 106524.	2.7	28
40	Marginal Likelihoods in Phylogenetics: A Review of Methods and Applications. <i>Systematic Biology</i> , 2019, 68, 681-697.	5.6	26
41	Phylogenomic evidence for a recent and rapid radiation of lizards in the Patagonian <i>Liolaemus fitzingerii</i> species group. <i>Molecular Phylogenetics and Evolution</i> , 2018, 125, 243-254.	2.7	25
42	Genome-wide markers untangle the green lizard radiation in the Aegean Sea and support a rare biogeographical pattern. <i>Journal of Biogeography</i> , 2019, 46, 552-567.	3.0	24
43	A transmissible cancer shifts from emergence to endemism in Tasmanian devils. <i>Science</i> , 2020, 370, .	12.6	24
44	Evidence for concerted movement of nuclear and mitochondrial clines in a lizard hybrid zone. <i>Molecular Ecology</i> , 2017, 26, 2306-2316.	3.9	23
45	Persistence of historical population structure in an endangered species despite near-complete biome conversion in California's San Joaquin Desert. <i>Molecular Ecology</i> , 2017, 26, 3618-3635.	3.9	23
46	The influence of temperature seasonality on elevational range size across latitude: a test using <i>Liolaemus</i> lizards. <i>Global Ecology and Biogeography</i> , 2015, 24, 632-641.	5.8	22
47	Phylogenomics of Horned Lizards (Genus: <i>Phrynosoma</i>) Using Targeted Sequence Capture Data. <i>Copeia</i> , 2015, 103, 586-594.	1.3	22
48	Bayesian inference of species diffusion in the West African <i>Agama agama</i> species group (Reptilia, Tj ETQq0 0,0 rgBT /Overlock 10	1.2	22
49	A phylogenomic resolution for the taxonomy of Aegean green lizards. <i>Zoologica Scripta</i> , 2020, 49, 14-27.	1.7	22
50	Influence of geology and human activity on the genetic structure and demography of the Oriental fire-bellied toad (<i>Bombina orientalis</i>). <i>Molecular Phylogenetics and Evolution</i> , 2016, 97, 69-75.	2.7	20
51	Rapid Radiation and Rampant Reticulation: Phylogenomics of South American <i>Liolaemus</i> Lizards. <i>Systematic Biology</i> , 2022, 71, 286-300.	5.6	20
52	A New Squeaker Frog (Arthroleptidae: Arthroleptis) from the Mountains of Cameroon and Nigeria. <i>Herpetologica</i> , 2010, 66, 335-348.	0.4	18
53	A New Species of Horned Lizard (Genus <i>Phrynosoma</i>) from Guerrero, MÃ©xico, with an Updated Multilocus Phylogeny. <i>Herpetologica</i> , 2014, 70, 241-257.	0.4	17
54	Evidence for ephemeral ring species formation during the diversification history of western fence lizards (<i>Sceloporus occidentalis</i>). <i>Molecular Ecology</i> , 2022, 31, 620-631.	3.9	17

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55	Estimating the temporal and spatial extent of gene flow among sympatric lizard populations (genus <i>Tj ETQq1</i>). <i>Molecular Phylogenetics and Evolution</i> , 2019, 138, 89-101.	3.9	16
56	Coalescent-based species delimitation in the sand lizards of the <i>Liolaemus wiegmannii</i> complex (Squamata: Liolaemidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 138, 89-101.	2.7	16
57	Multi-Locus Estimates of Population Structure and Migration in a Fence Lizard Hybrid Zone. <i>PLoS ONE</i> , 2011, 6, e25827.	2.5	15
58	Uprooting phylogenetic uncertainty in coalescent species delimitation: A meta-analysis of empirical studies. <i>Environmental Epigenetics</i> , 2015, 61, 866-873.	1.8	15
59	Phylogenomic data resolve higher-level relationships within South American <i>Liolaemus</i> lizards. <i>Molecular Phylogenetics and Evolution</i> , 2020, 147, 106781.	2.7	15
60	Genome-Scale Data Reveal Deep Lineage Divergence and a Complex Demographic History in the Texas Horned Lizard (<i>Phrynosoma cornutum</i>) throughout the Southwestern and Central United States. <i>Genome Biology and Evolution</i> , 2022, 14, .	2.5	15
61	A genomic evaluation of taxonomic trends through time in coast horned lizards (genus <i>Phrynosoma</i>). <i>Molecular Phylogenetics and Evolution</i> , 2019, 138, 89-101.	3.9	14
62	Genomic and mitochondrial evidence of ancient isolations and extreme introgression in the four-lined snake. <i>Environmental Epigenetics</i> , 2020, 66, 99-111.	1.8	13
63	Leapfrogging the Mexican highlands: influence of biogeographical and ecological factors on the diversification of highland species. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 767-781.	1.6	12
64	Phylogenomic analysis of the Chilean clade of <i>Liolaemus</i> lizards (Squamata: Liolaemidae) based on sequence capture data. <i>PeerJ</i> , 2017, 5, e3941.	2.0	12
65	The genus <i>Astylosternus</i> in the Upper Guinea rainforests, West Africa, with the description of a new species (Amphibia: Anura: Arthroleptidae). <i>Zootaxa</i> , 2012, 3245, 1.	0.5	11
66	Phase Resolution of Heterozygous Sites in Diploid Genomes is Important to Phylogenomic Analysis under the Multispecies Coalescent Model. <i>Systematic Biology</i> , 2022, 71, 334-352.	5.6	11
67	A comparison of DNA barcoding markers in West African frogs. <i>African Journal of Herpetology</i> , 2015, 64, 135-147.	0.9	10
68	Whole genomes: the holy grail. A commentary on: "Molecular phylogenomics of the tribe Shoreeae (Dipterocarpaceae) using whole plastid genomes". <i>Annals of Botany</i> , 2019, 123, iv-v.	2.9	9
69	Characterization of a pericentric inversion in plateau fence lizards (<i>Sceloporus tristichus</i>): evidence from chromosome-scale genomes. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	8
70	The effects of climate and demographic history in shaping genomic variation across populations of the Desert Horned Lizard (<i>Phrynosoma platyrhinos</i>). <i>Molecular Ecology</i> , 2021, 30, 4481-4496.	3.9	8
71	Do dams also stop frogs? Assessing population connectivity of coastal tailed frogs (<i>Ascaphus truei</i>) in the North Cascades National Park Service Complex. <i>Conservation Genetics</i> , 2017, 18, 439-451.	1.5	7
72	Genetically diverse yet morphologically conserved: Hidden diversity revealed among Bornean geckos (Gekkonidae: <i>Cyrtodactylus</i>). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 1113-1135.	1.4	7

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73	Giant Tree Frog diversification in West and Central Africa: Isolation by physical barriers, climate, and reproductive traits. <i>Molecular Ecology</i> , 2022, 31, 3979-3998.	3.9	7
74	Additions to the lizard diversity of the Horn of Africa: Two new species in the <i>Agama spinosa</i> group. <i>Amphibia - Reptilia</i> , 2013, 34, 363-387.	0.5	6
75	Four Species Linked by Three Hybrid Zones: Two Instances of Repeated Hybridization in One Species Group (Genus <i>Liolaemus</i>). <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	6
76	Andean uplift, drainage basin formation, and the evolution of plants living in fast-flowing aquatic ecosystems in northern South America. <i>New Phytologist</i> , 2021, 232, 2175-2190.	7.3	6
77	Phylogeny of <i>Lantana</i> , <i>Lippia</i> , and related genera (Lantaneae: Verbenaceae). <i>American Journal of Botany</i> , 2021, 108, 1354-1373.	1.7	6
78	Lifting the blue-headed veil – integrative taxonomy of the <i>Acanthocercus atricollis</i> species complex (Squamata: Agamidae). <i>Journal of Natural History</i> , 2018, 52, 771-817.	0.5	5
79	Geographic variation in West African <i>Agama picticauda</i> : insights from genetics, morphology and ecology. <i>African Journal of Herpetology</i> , 2019, 68, 33-49.	0.9	3
80	Species IUCN threat status level increases with elevation: a phylogenetic approach for Neotropical tree frog conservation. <i>Biodiversity and Conservation</i> , 2020, 29, 2515-2537.	2.6	3
81	A chromosome-level genome assembly for the eastern fence lizard (<i>Sceloporus undulatus</i>), a reptile model for physiological and evolutionary ecology. <i>GigaScience</i> , 2021, 10, .	6.4	3
82	Genomic scale data shows that <i>Parastacus nicoleti</i> encompasses more than one species of burrowing continental crayfishes and that lineage divergence occurred with and without gene flow. <i>Molecular Phylogenetics and Evolution</i> , 2022, 169, 107443.	2.7	3
83	A new species of Puddle Frog, genus <i>Phrynobatrachus</i> (Amphibia: Anura: Phrynobatrachidae) from Ghana. <i>Zootaxa</i> , 2018, 4374, 565.	0.5	2
84	A new critically endangered slippery frog (Amphibia, Conrauidae, Conraua) from the Atewa Range, central Ghana. <i>Zootaxa</i> , 2021, 4995, 71-95.	0.5	2
85	Strange but common in isolated environments: new records of <i>Marathrum</i> (Podostemaceae) in rivers of Colombia. <i>Aquatic Botany</i> , 2022, 177, 103483.	1.6	2
86	Population expansion, divergence, and persistence in Western Fence Lizards (<i>Sceloporus occidentalis</i>) at the northern extreme of their distributional range. <i>Scientific Reports</i> , 2022, 12, 6310.	3.3	2
87	Integration of genetic structure into conservation of an endangered, endemic lizard, <i>Ceratophora aspera</i> : A case study from Sri Lanka. <i>Biotropica</i> , 2021, 53, 1301-1315.	1.6	1
88	Molecular Identification of <i>Sceloporus</i> Lizards in the Laramie Mountains, Wyoming. <i>Western North American Naturalist</i> , 2021, 81, .	0.4	0