

# Andrew J Crawford

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

4,232  
citations

201674

27  
h-index

155660

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

5393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021, 592, 737-746.	27.8	1,139
2	Genome 10K: A Proposal to Obtain Whole-Genome Sequence for 10,000 Vertebrate Species. <i>Journal of Heredity</i> , 2009, 100, 659-674.	2.4	504
3	Epidemic disease decimates amphibian abundance, species diversity, and evolutionary history in the highlands of central Panama. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13777-13782.	7.1	315
4	Huge populations and old species of Costa Rican and Panamanian dirt frogs inferred from mitochondrial and nuclear gene sequences. <i>Molecular Ecology</i> , 2003, 12, 2525-2540.	3.9	145
5	The Earth BioGenome Project 2020: Starting the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	124
6	High Levels of Diversity Uncovered in a Widespread Nominal Taxon: Continental Phylogeography of the Neotropical Tree Frog <i>Dendropsophus minutus</i> . <i>PLoS ONE</i> , 2014, 9, e103958.	2.5	110
7	Cenozoic biogeography and evolution in direct-developing frogs of Central America (Leptodactylidae: <i>Tj ETQq1</i> ). <i>Molecular Phylogenetics and Evolution</i> , 2005, 35, 536-555.	1.0784314	104
8	The Great American Biotic Interchange in frogs: Multiple and early colonization of Central America by the South American genus <i>Pristimantis</i> (Anura: Craugastoridae). <i>Molecular Phylogenetics and Evolution</i> , 2012, 62, 954-972.	2.7	103
9	Calls, colours, shape, and genes: a multi-trait approach to the study of geographic variation in the Amazonian frog <i>Allobates femoralis</i> . <i>Biological Journal of the Linnean Society</i> , 0, 98, 826-838.	1.6	102
10	Relative Rates of Nucleotide Substitution in Frogs. <i>Journal of Molecular Evolution</i> , 2003, 57, 636-641.	1.8	89
11	Testing the role of ecology and life history in structuring genetic variation across a landscape: a trait-based phylogeographic approach. <i>Molecular Ecology</i> , 2015, 24, 3723-3737.	3.9	83
12	Molecular phylogeny of an endemic radiation of Cuban toads ( <i>Bufonidae</i> : <i>Peltophryne</i> ) based on mitochondrial and nuclear genes. <i>Journal of Biogeography</i> , 2012, 39, 434-451.	3.0	78
13	Molecular-based rapid inventories of sympatric diversity: A comparison of DNA barcode clustering methods applied to geography-based vs clade-based sampling of amphibians. <i>Journal of Biosciences</i> , 2012, 37, 887-896.	1.1	75
14	Cold Code: the global initiative to DNA barcode amphibians and nonavian reptiles. <i>Molecular Ecology Resources</i> , 2013, 13, 161-167.	4.8	72
15	The role of tropical dry forest as a long-term barrier to dispersal: a comparative phylogeographical analysis of dry forest tolerant and intolerant frogs. <i>Molecular Ecology</i> , 2007, 16, 4789-4807.	3.9	69
16	Biogeography of the ñngara frog, <i>Physalaemus pustulosus</i> : a molecular perspective. <i>Molecular Ecology</i> , 2005, 14, 3857-3876.	3.9	64
17	Evaluating methods for phylogenomic analyses, and a new phylogeny for a major frog clade (Hylidae) based on 2214 loci. <i>Molecular Phylogenetics and Evolution</i> , 2018, 119, 128-143.	2.7	63
18	Phylogeography of the Pygmy Rain Frog ( <i>Pristimantis ridens</i> ) across the lowland wet forests of isthmian Central America. <i>Molecular Phylogenetics and Evolution</i> , 2008, 47, 992-1004.	2.7	61

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19	Quaternary glaciation and the Great American Biotic Interchange. <i>Geology</i> , 2016, 44, 375-378.	4.4	57
20	Mitochondrial DNA phylogeography of <i>Caiman crocodilus</i> in Mesoamerica and South America. <i>Journal of Experimental Zoology</i> , 2008, 309A, 614-627.	1.2	50
21	DNA Barcoding Survey of Anurans across the Eastern Cordillera of Colombia and the Impact of the Andes on Cryptic Diversity. <i>PLoS ONE</i> , 2015, 10, e0127312.	2.5	49
22	DNA barcoding applied to <i>ex situ</i> tropical amphibian conservation programme reveals cryptic diversity in captive populations. <i>Molecular Ecology Resources</i> , 2013, 13, 1005-1018.	4.8	46
23	Evolutionary history of Cuban crocodiles <i>Crocodylus rhombifer</i> and <i>Crocodylus acutus</i> inferred from multilocus markers. <i>Journal of Experimental Zoology</i> , 2011, 315A, 358-375.	1.2	42
24	Of peaks and valleys: testing the roles of orogeny and habitat heterogeneity in driving allopatry in mid-elevation frogs (Aromobatidae: <i>Rheobates</i> ) of the northern Andes. <i>Journal of Biogeography</i> , 2015, 42, 193-205.	3.0	38
25	Using historical biogeography to test for community saturation. <i>Ecology Letters</i> , 2014, 17, 1077-1085.	6.4	35
26	Standards recommendations for the Earth BioGenome Project. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	33
27	Morphological Variation in the Limbs of <i>Taricha granulosa</i> (Caudata: Salamandridae): Evolutionary and Phylogenetic Implications. <i>Evolution; International Journal of Organic Evolution</i> , 1995, 49, 874.	2.3	32
28	Multilocus molecular phylogenetic analysis of the montane <i>Craugastor podiciferus</i> species complex (Anura: Craugastoridae) in Isthmian Central America. <i>Molecular Phylogenetics and Evolution</i> , 2009, 53, 620-630.	2.7	32
29	The Antarctic Circumpolar Current as a diversification trigger for deep-sea octocorals. <i>BMC Evolutionary Biology</i> , 2016, 16, 2.	3.2	32
30	Historical biogeography identifies a possible role of Miocene wetlands in the diversification of the Amazonian rocket frogs (Aromobatidae: <i>Allobates</i> ). <i>Journal of Biogeography</i> , 2020, 47, 2472-2482.	3.0	31
31	Comparative Phylogeography of Direct-Developing Frogs (Anura: Craugastoridae: <i>Pristimantis</i> ) in the Southern Andes of Colombia. <i>PLoS ONE</i> , 2012, 7, e46077.	2.5	27
32	Current and predicted distribution of the pathogenic fungus <i>Batrachochytrium dendrobatidis</i> in Colombia, a hotspot of amphibian biodiversity. <i>Biotropica</i> , 2017, 49, 685-694.	1.6	26
33	Comparing evolutionary rates between trees, clades and traits. <i>Methods in Ecology and Evolution</i> , 2018, 9, 994-1005.	5.2	23
34	Species diversity and biogeography of an ancient frog clade from the Guiana Shield (Anura: <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T</i> ) phenotypic diversification. <i>Biological Journal of the Linnean Society</i> , 2021, 132, 233-256.	1.6	23
35	Advancing Understanding of Amphibian Evolution, Ecology, Behavior, and Conservation with Massively Parallel Sequencing. <i>Population Genomics</i> , 2018, , 211-254.	0.5	22
36	Molecular phylogenetics and biogeography of the Neotropical skink genus <i>Mabuya</i> Fitzinger (Squamata: Scincidae) with emphasis on Colombian populations. <i>Molecular Phylogenetics and Evolution</i> , 2015, 93, 188-211.	2.7	20

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37	Concerted evolution reveals co-adapted amino acid substitutions in Na <sup>+</sup> K <sup>+</sup> -ATPase of frogs that prey on toxic toads. <i>Current Biology</i> , 2021, 31, 2530-2538.e10.	3.9	20
38	Evaluating the probability of avoiding disease-related extinctions of Panamanian amphibians through captive breeding programs. <i>Animal Conservation</i> , 2016, 19, 324-336.	2.9	19
39	DNA barcoding identifies a third invasive species of <i>Eleutherodactylus</i> (Anura: Eleutherodactylidae) in Panama City, Panama. <i>Zootaxa</i> , 2011, 2890, 65.	0.5	18
40	DNA barcoding of the National Museum of Natural History reptile tissue holdings raises concerns about the use of natural history collections and the responsibilities of scientists in the molecular age. <i>PLoS ONE</i> , 2022, 17, e0264930.	2.5	17
41	How to Make a Rodent Giant: Genomic Basis and Tradeoffs of Gigantism in the Capybara, the World's Largest Rodent. <i>Molecular Biology and Evolution</i> , 2021, 38, 1715-1730.	8.9	16
42	Characterization of the First <i>Batrachochytrium dendrobatidis</i> Isolate from the Colombian Andes, an Amphibian Biodiversity Hotspot. <i>EcoHealth</i> , 2013, 10, 72-76.	2.0	13
43	EBP-Colombia and the bioeconomy: Genomics in the service of biodiversity conservation and sustainable development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	13
44	A New Species of <i>Pristimantis</i> (Anura: Strabomantidae) from the Pacific Coast of the Darien Province, Panama, with a Molecular Analysis of its Phylogenetic Position. <i>Herpetologica</i> , 2010, 66, 192-206.	0.4	12
45	Life on the Edge: A Comparative Study of Ecophysiological Adaptations of Frogs to Tropical Semiarid Environments. <i>Physiological and Biochemical Zoology</i> , 2018, 91, 740-756.	1.5	12
46	Cryptic diversity and ranavirus infection of a critically endangered Neotropical frog before and after population collapse. <i>Animal Conservation</i> , 2019, 22, 515-524.	2.9	10
47	Phylogeny of terraranan frogs based on 2,665 loci and impacts of missing data on phylogenomic analyses. <i>Systematics and Biodiversity</i> , 2021, 19, 818-833.	1.2	10
48	A New Species of <i>Eleutherodactylus</i> (Anura: Leptodactylidae) from the Darien Province, Panama. <i>Journal of Herpetology</i> , 2004, 38, 240-243.	0.5	9
49	A new small golden frog of the genus <i>Pristimantis</i> (Anura: Craugastoridae) from an Andean cloud forest of Colombia. <i>Amphibia - Reptilia</i> , 2016, 37, 153-166.	0.5	8
50	Recent and Rapid Radiation of the Highly Endangered Harlequin Frogs ( <i>Atelopus</i> ) into Central America Inferred from Mitochondrial DNA Sequences. <i>Diversity</i> , 2020, 12, 360.	1.7	6
51	Testing effects of Pleistocene climate change on the altitudinal and horizontal distributions of frogs from the Colombian Andes: a species distribution modeling approach. <i>Frontiers of Biogeography</i> , 2019, 11, .	1.8	5
52	Idiosyncratic responses to drivers of genetic differentiation in the complex landscapes of Isthmian Central America. <i>Heredity</i> , 2021, 126, 251-265.	2.6	5
53	A new species of <i>Andinobates</i> (Amphibia: Anura: Dendrobatidae) from west central Panama. <i>Zootaxa</i> , 2014, 3866, 333-52.	0.5	4
54	Integrative taxonomy reveals a new but common Neotropical treefrog, hidden under the name <i>Boana xerophylla</i> . <i>Zootaxa</i> , 2021, 4981, 401448.	0.5	4

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55	Reproductive phenology in a Neotropical aquatic snake shows marked seasonality influenced by rainfall patterns. <i>Journal of Natural History</i> , 2020, 54, 1845-1862.	0.5	4
56	<strong>A new species of the <i>Craugastor podiciferus</i> species group (Anura):</strong> <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54</i> 2016, 4132, 347.	0.5	3
57	Synthesis of geological data and comparative phylogeography of lowland tetrapods suggests recent dispersal through lowland portals crossing the Eastern Andean Cordillera. <i>PeerJ</i> , 0, 10, e13186.	2.0	3
58	Contrasting genetic, acoustic, and morphological differentiation in two closely related gladiator frogs (Hylidae: <i>Boana</i> ) across a common Neotropical landscape. <i>Zootaxa</i> , 2019, 4609, zootaxa.4609.3.8.	0.5	2
59	Altitudinal distribution and advertisement call of <i>Colostethus latinasus</i> (Amphibia: Dendrobatidae), endemic species from eastern Panama and type species of <i>Colostethus</i> , with a molecular assessment of similar sympatric species. <i>Zootaxa</i> , 2017, 4254, 91.	0.5	1
60	Landscape Genetics and Species Delimitation in the Andean Palm Rocket Frog (Aromobatidae, <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54</i> )	1.4	0