

Alex Dornburg

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

6,464
citations

172386

29
h-index

102432

66
g-index

87
all docs

87
docs citations

87
times ranked

7056
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive phylogeny of birds (Aves) using targeted next-generation DNA sequencing. <i>Nature</i> , 2015, 526, 569-573.	13.7	1,341
2	A comprehensive phylogeny of birds (Aves) using targeted next-generation DNA sequencing. <i>Nature</i> , 2016, 534, S7-S8.	13.7	872
3	Resolution of ray-finned fish phylogeny and timing of diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13698-13703.	3.3	787
4	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, 13410-13414.	3.3	756
5	Phylogeny and tempo of diversification in the superradiation of spiny-rayed fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12738-12743.	3.3	408
6	Ancient climate change, antifreeze, and the evolutionary diversification of Antarctic fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3434-3439.	3.3	291
7	Molecular and fossil evidence place the origin of cichlid fishes long after Gondwanan rifting. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131733.	1.2	158
8	The durability of immunity against reinfection by SARS-CoV-2: a comparative evolutionary study. <i>Lancet Microbe</i> , 2021, 2, e666-e675.	3.4	147
9	Relaxed Clocks and Inferences of Heterogeneous Patterns of Nucleotide Substitution and Divergence Time Estimates across Whales and Dolphins (Mammalia: Cetacea). <i>Molecular Biology and Evolution</i> , 2012, 29, 721-736.	3.5	115
10	Phylogenetic informativeness reconciles ray-finned fish molecular divergence times. <i>BMC Evolutionary Biology</i> , 2014, 14, 169.	3.2	77
11	Phylogenomic Systematics of Ostariophysan Fishes: Ultraconserved Elements Support the Surprising Non-Monophyly of Characiformes. <i>Systematic Biology</i> , 2017, 66, 881-895.	2.7	74
12	THE INFLUENCE OF AN INNOVATIVE LOCOMOTOR STRATEGY ON THE PHENOTYPIC DIVERSIFICATION OF TRIGGERFISH (FAMILY: BALISTIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1912-1926.	1.1	72
13	Phylogenetic analysis of Antarctic notothenioids illuminates the utility of RADseq for resolving Cenozoic adaptive radiations. <i>Molecular Phylogenetics and Evolution</i> , 2018, 129, 268-279.	1.2	69
14	Integrating Fossil Preservation Biases in the Selection of Calibrations for Molecular Divergence Time Estimation. <i>Systematic Biology</i> , 2011, 60, 519-527.	2.7	62
15	The Influence of Model Averaging on Clade Posteriors: An Example Using the Triggerfishes (Family) <i>Tj ETQq1 1 0.784314 rgBT/53/Overlook</i>	2.7	53
16	Identification of the notothenioid sister lineage illuminates the biogeographic history of an Antarctic adaptive radiation. <i>BMC Evolutionary Biology</i> , 2015, 15, 109.	3.2	52
17	Optimal Rates for Phylogenetic Inference and Experimental Design in the Era of Genome-Scale Data Sets. <i>Systematic Biology</i> , 2019, 68, 145-156.	2.7	51
18	Historical contingency shapes adaptive radiation in Antarctic fishes. <i>Nature Ecology and Evolution</i> , 2019, 3, 1102-1109.	3.4	50

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19	The bowfin genome illuminates the developmental evolution of ray-finned fishes. <i>Nature Genetics</i> , 2021, 53, 1373-1384.	9.4	48
20	Implications of lemuriform extinctions for the Malagasy flora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5041-5046.	3.3	47
21	The durability of natural infection and vaccine-induced immunity against future infection by SARS-CoV-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	47
22	BOOM AND BUST: ANCIENT AND RECENT DIVERSIFICATION IN BICHIRS (POLYPTERIDAE: ACTINOPTERYGII), A RELICTUAL LINEAGE OF RAY-FINNED FISHES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1014-1026.	1.1	44
23	Cradles and museums of Antarctic teleost biodiversity. <i>Nature Ecology and Evolution</i> , 2017, 1, 1379-1384.	3.4	44
24	Molecular Biology and Evolution of Cancer: From Discovery to Action. <i>Molecular Biology and Evolution</i> , 2020, 37, 320-326.	3.5	43
25	The Emerging Phylogenetic Perspective on the Evolution of Actinopterygian Fishes. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2021, 52, 427-452.	3.8	41
26	Are 100 enough? Inferring acanthomorph teleost phylogeny using Anchored Hybrid Enrichment. <i>BMC Evolutionary Biology</i> , 2015, 15, 113.	3.2	40
27	New insights on the sister lineage of percomorph fishes with an anchored hybrid enrichment dataset. <i>Molecular Phylogenetics and Evolution</i> , 2017, 110, 27-38.	1.2	40
28	Molecular phylogeny and historical biogeography of West Indian boid snakes (<i>Chilabothrus</i>). <i>Molecular Phylogenetics and Evolution</i> , 2013, 68, 461-470.	1.2	39
29	PhyInformR: phylogenetic experimental design and phylogenomic data exploration in R. <i>BMC Evolutionary Biology</i> , 2016, 16, 262.	3.2	39
30	Prolonged morphological expansion of spiny-rayed fishes following the end-Cretaceous. <i>Nature Ecology and Evolution</i> , 2022, 6, 1211-1220.	3.4	39
31	The impact of shifts in marine biodiversity hotspots on patterns of range evolution: Evidence from the Holocentridae (squirrelfishes and soldierfishes). <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 146-161.	1.1	38
32	The biogeographic origin of a radiation of trees in Madagascar: implications for the assembly of a tropical forest biome. <i>BMC Evolutionary Biology</i> , 2015, 15, 216.	3.2	36
33	A multilocus molecular phylogeny of boxfishes (<i>Aracanidae</i> , <i>Ostraciidae</i> ; <i>Tetraodontiformes</i>). <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 153-160.	1.2	34
34	Phylogenetic analysis of molecular and morphological data highlights uncertainty in the relationships of fossil and living species of Elopomorpha (<i>Actinopterygii</i> : <i>Teleostei</i>). <i>Molecular Phylogenetics and Evolution</i> , 2015, 89, 205-218.	1.2	32
35	Molecular phylogenetics of squirrelfishes and soldierfishes (<i>Teleostei</i> : <i>Beryciformes</i> : <i>Holocentridae</i>): Reconciling more than 100 years of taxonomic confusion. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 727-738.	1.2	31
36	Maximizing Power in Phylogenetics and Phylogenomics: A Perspective Illuminated by Fungal Big Data. <i>Advances in Genetics</i> , 2017, 100, 1-47.	0.8	28

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37	Cryptic species diversity in sub-Antarctic islands: A case study of <i>Lepidonotothen</i> . <i>Molecular Phylogenetics and Evolution</i> , 2016, 104, 32-43.	1.2	26
38	A comparison of blood gases, biochemistry, and hematology to ecomorphology in a health assessment of pinfish (<i>Lagodon rhomboides</i>). <i>PeerJ</i> , 2016, 4, e2262.	0.9	26
39	Phylogenetic relationships and timing of diversification in gonorynchiform fishes inferred using nuclear gene DNA sequences (Teleostei: Ostariophysi). <i>Molecular Phylogenetics and Evolution</i> , 2014, 80, 297-307.	1.2	23
40	Phylogenomic Analysis of a Putative Missing Link Sparks Reinterpretation of Leech Evolution. <i>Genome Biology and Evolution</i> , 2019, 11, 3082-3093.	1.1	22
41	Phylogenomic Species Delimitation Dramatically Reduces Species Diversity in an Antarctic Adaptive Radiation. <i>Systematic Biology</i> , 2021, 71, 58-77.	2.7	20
42	On the relationship between extant innate immune receptors and the evolutionary origins of jawed vertebrate adaptive immunity. <i>Immunogenetics</i> , 2022, 74, 111-128.	1.2	18
43	Eyes Wide Shut: the impact of dim light vision on neural investment in marine teleosts. <i>Journal of Evolutionary Biology</i> , 2018, 31, 1082-1092.	0.8	15
44	Natural History Observations of the Ichthyological and Herpetological Fauna on the Island of Curaçao (Netherlands). <i>Bulletin of the Peabody Museum of Natural History</i> , 2011, 52, 181-186.	0.6	11
45	Holosteans contextualize the role of the teleost genome duplication in promoting the rise of evolutionary novelties in the ray-finned fish innate immune system. <i>Immunogenetics</i> , 2021, 73, 479-497.	1.2	11
46	Disentangling the Influence of Urbanization and Invasion on Endemic Geckos in Tropical Biodiversity Hot Spots: A Case Study of <i>Phyllodactylus martini</i> (Squamata: Phyllodactylidae) along an Urban Gradient in Curaçao. <i>Bulletin of the Peabody Museum of Natural History</i> , 2016, 57, 147-164.	0.6	10
47	Molecular data support the existence of two species of the Antarctic fish genus <i>Cryodraco</i> (Channichthyidae). <i>Polar Biology</i> , 2016, 39, 1369-1379.	0.5	10
48	An assessment of sampling biases across studies of diel activity patterns in marine ray-finned fishes (Actinopterygii). <i>Bulletin of Marine Science</i> , 2017, 93, 611-639.	0.4	9
49	Transcriptome Ortholog Alignment Sequence Tools (TOAST) for phylogenomic dataset assembly. <i>BMC Evolutionary Biology</i> , 2020, 20, 41.	3.2	9
50	The effects of climate change on Australia's only endemic <i>Pokémon</i> : Measuring bias in species distribution models. <i>Methods in Ecology and Evolution</i> , 2021, 12, 985-995.	2.2	9
51	From IgZ to IgT: A Call for a Common Nomenclature for Immunoglobulin Heavy Chain Genes of Ray-Finned Fish. <i>Zebrafish</i> , 2021, 18, 343-345.	0.5	9
52	Endolymphatic Sac Use and Reproductive Activity in the Lesser Antilles Endemic Gecko <i>Gonatodes antillensis</i> (Gekkota: Sphaerodactylidae). <i>Bulletin of the Peabody Museum of Natural History</i> , 2017, 58, 17-29.	0.6	8
53	Are Geckos Paratenic Hosts for Caribbean Island Acanthocephalans? Evidence from <i>Gonatodes antillensis</i> and a Global Review of Squamate Reptiles Acting as Transport Hosts. <i>Bulletin of the Peabody Museum of Natural History</i> , 2019, 60, 55.	0.6	7
54	Assessing phylogenetic information to reveal uncertainty in historical data: An example using Goodeinae (Teleostei: Cyprinodontiformes: Goodeidae). <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 282-290.	1.2	6

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55	Comparative Genomics within and across Bilaterians Illuminates the Evolutionary History of ALK and LTK Proto-Oncogene Origination and Diversification. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	6
56	The Amphibians and Reptiles of the 1962–1965 Yale University Prehistoric Expedition to Nubia. <i>Bulletin of the Peabody Museum of Natural History</i> , 2010, 51, 179-197.	0.6	4
57	Ingestion of Fossil Seashells, Stones and Small Mammal Bones by Gravid Gopher Tortoises (<i>Gopherus</i>) Tj ETQq1 1 0,784314 rgBT /Ov	0.6	4
58	Infestation dynamics between parasitic Antarctic fish leeches (Piscicolidae) and their crocodile icefish hosts (Channichthyidae). <i>Polar Biology</i> , 2020, 43, 665-677.	0.5	4
59	Comparing the dietary niche overlap and ecomorphological differences between invasive <i>Hemidactylus mabouia</i> geckos and a native gecko competitor. <i>Ecology and Evolution</i> , 2021, 11, 18719-18732.	0.8	4
60	Distribution of Freshwater Fishes in Connecticut Based on Museum Voucher Specimens. <i>Bulletin of the Peabody Museum of Natural History</i> , 2009, 50, 347-379.	0.6	3
61	Recent diversification in an ancient lineage of Notothenioid fishes (<i>Bovichtus</i> : Notothenioidei). <i>Polar Biology</i> , 2019, 42, 943-952.	0.5	2
62	Editor's Note: Phylogenomic Analysis of a Putative Missing Link Sparks Reinterpretation of Leech Evolution. <i>Genome Biology and Evolution</i> , 2019, 11, 3275-3275.	1.1	2
63	Transcriptome annotation reveals minimal immunogenetic diversity among Wyoming toads, <i>Anaxyrus baxteri</i> . <i>Conservation Genetics</i> , 2022, 23, 669-681.	0.8	2
64	First Report of Scavenging by the Northern Pacific Rattlesnake (<i>Crotalus oreganus oreganus</i>) in the Wild. <i>Northwestern Naturalist</i> , 2009, 90, 55-57.	0.5	1
65	Testing ontogenetic patterns of sexual size dimorphism against expectations of the expensive tissue hypothesis, an intraspecific example using oyster toadfish (<i>Opsanus tau</i>). <i>Ecology and Evolution</i> , 2018, 8, 3609-3616.	0.8	1
66	Reevaluating claims of ecological speciation in <i>Halichoeres bivittatus</i> . <i>Ecology and Evolution</i> , 2021, 11, 11449-11456.	0.8	1
67	Assessing temporal biases across aggregated historical spatial data: a case study of North Carolina's freshwater fishes. <i>Ecosphere</i> , 2021, 12, .	1.0	1
68	The Amphibians, Reptiles and Fishes of the 2012 Bukit Pagon Expedition, Brunei Darussalam. <i>Bulletin of the Peabody Museum of Natural History</i> , 2016, 57, 97-114.	0.6	0