

David C. Blackburn

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3262692/publications.pdf>

Version: 2024-02-01

90
papers

3,281
citations

172207

29
h-index

182168

51
g-index

94
all docs

94
docs citations

94
times ranked

5000
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenomics reveals rapid, simultaneous diversification of three major clades of Gondwanan frogs at the Cretaceous–Paleogene boundary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5864-E5870.	3.3	261
2	Finding Our Way through Phenotypes. <i>PLoS Biology</i> , 2015, 13, e1002033.	2.6	178
3	Evolutionary Processes of Diversification in a Model Island Archipelago. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 411-435.	3.8	173
4	Specimen collection: An essential tool. <i>Science</i> , 2014, 344, 814-815.	6.0	169
5	Digitization and the Future of Natural History Collections. <i>BioScience</i> , 2020, 70, 243-251.	2.2	161
6	DNA damage in preserved specimens and tissue samples: a molecular assessment. <i>Frontiers in Zoology</i> , 2008, 5, 18.	0.9	157
7	Evaluating mechanisms of diversification in a Guineo–Congolian tropical forest frog using demographic model selection. <i>Molecular Ecology</i> , 2017, 26, 5245-5263.	2.0	157
8	Unification of multi-species vertebrate anatomy ontologies for comparative biology in Uberon. <i>Journal of Biomedical Semantics</i> , 2014, 5, 21.	0.9	121
9	Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20382-20387.	3.3	86
10	Genetics, Morphology, Advertisement Calls, and Historical Records Distinguish Six New Polyploid Species of African Clawed Frog (<i>Xenopus</i> , Pipidae) from West and Central Africa. <i>PLoS ONE</i> , 2015, 10, e0142823.	1.1	75
11	AN ADAPTIVE RADIATION OF FROGS IN A SOUTHEAST ASIAN ISLAND ARCHIPELAGO. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 2631-2646.	1.1	73
12	Evolution of arthropod visual systems: Development of the eyes and central visual pathways in the horseshoe crab <i>Limulus polyphemus</i> Linnaeus, 1758 (Chelicerata, Xiphosura). <i>Developmental Dynamics</i> , 2006, 235, 2641-2655.	0.8	71
13	An Ancient Origin for the Enigmatic Flat-Headed Frogs (Bombinatoridae: <i>Barbourula</i>) from the Islands of Southeast Asia. <i>PLoS ONE</i> , 2010, 5, e12090.	1.1	71
14	<i>Pax6</i> regulation of <i>Math5</i> during mouse retinal neurogenesis. <i>Genesis</i> , 2009, 47, 175-187.	0.8	69
15	Biogeography and evolution of body size and life history of African frogs: Phylogeny of squeakers (<i>Arthroleptis</i>) and long-fingered frogs (<i>Cardioglossa</i>) estimated from mitochondrial data. <i>Molecular Phylogenetics and Evolution</i> , 2008, 49, 806-826.	1.2	63
16	Metamorphosis shapes cranial diversity and rate of evolution in salamanders. <i>Nature Ecology and Evolution</i> , 2020, 4, 1129-1140.	3.4	58
17	Evolution of hyperossification expands skull diversity in frogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8554-8562.	3.3	58
18	Dispersal to or from an African biodiversity hotspot?. <i>Molecular Ecology</i> , 2009, 18, 1904-1915.	2.0	52

#	ARTICLE	IF	CITATIONS
19	Dramatic Declines of Montane Frogs in a Central African Biodiversity Hotspot. PLoS ONE, 2016, 11, e0155129.	1.1	44
20	Sexual Dichromatism Drives Diversification within a Major Radiation of African Amphibians. Systematic Biology, 2019, 68, 859-875.	2.7	41
21	Bone formation during forelimb regeneration: A microtomography (microCT) analysis. Developmental Dynamics, 2003, 226, 410-417.	0.8	40
22	Idiosyncratic responses to climate-driven forest fragmentation and marine incursions in reed frogs from Central Africa and the Gulf of Guinea Islands. Molecular Ecology, 2017, 26, 5223-5244.	2.0	40
23	Comment on "Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversity". Science, 2020, 367, .	6.0	40
24	A Unified Anatomy Ontology of the Vertebrate Skeletal System. PLoS ONE, 2012, 7, e51070.	1.1	40
25	The vertebrate taxonomy ontology: a framework for reasoning across model organism and species phenotypes. Journal of Biomedical Semantics, 2013, 4, 34.	0.9	39
26	Isolation and expression of <i>Pax6</i> and <i>atonal</i> homologues in the American horseshoe crab, <i>Limulus polyphemus</i> . Developmental Dynamics, 2008, 237, 2209-2219.	0.8	37
27	Are node-based and stem-based clades equivalent? Insights from graph theory. PLOS Currents, 2010, 2, RRN1196.	1.4	35
28	The earliest equatorial record of frogs from the Late Triassic of Arizona. Biology Letters, 2019, 15, 20180922.	1.0	34
29	Sky, sea, and forest islands: Diversification in the African leaf-folding frog <i>Afrrixalus paradorsalis</i> (Anura: Hyperoliidae) of the Lower Guineo-Congolian rain forest. Journal of Biogeography, 2018, 45, 1781-1794.	1.4	33
30	Phylogeny of the island archipelago frog genus <i>Sanguirana</i> : Another endemic Philippine radiation that diversified "Out-of-Palawan". Molecular Phylogenetics and Evolution, 2016, 94, 531-536.	1.2	32
31	The evolution of reproductive diversity in Afrobatrachia: A phylogenetic comparative analysis of an extensive radiation of African frogs. Evolution; International Journal of Organic Evolution, 2016, 70, 2017-2032.	1.1	31
32	The distribution of the Bururi Long-fingered Frog (<i>Cardioglossa cyaneospila</i> , family Arthroleptidae), a poorly known Albertine Rift endemic. Zootaxa, 2016, 4170, 355.	0.2	30
33	Diversity and biogeography of frogs in the genus <i>Amnirana</i> (Anura: Ranidae) across sub-Saharan Africa. Molecular Phylogenetics and Evolution, 2018, 120, 274-285.	1.2	29
34	DO LARVAL TRAITS RE-EVOLVE? EVIDENCE FROM THE EMBRYOGENESIS OF A DIRECT-DEVELOPING SALAMANDER, <i>Plethodon cinereus</i> . Evolution; International Journal of Organic Evolution, 2012, 66, 252-262.	1.1	28
35	The earliest direct evidence of frogs in wet tropical forests from Cretaceous Burmese amber. Scientific Reports, 2018, 8, 8770.	1.6	28
36	A new species of <i>Cardioglossa</i> (Amphibia: Anura: Arthroleptidae) endemic to Mount Manengouba in the Republic of Cameroon, with an analysis of morphological diversity in the genus. Zoological Journal of the Linnean Society, 2008, 154, 611-630.	1.0	27

#	ARTICLE	IF	CITATIONS
37	Evolutionary integration of the frog cranium. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1200-1215.	1.1	26
38	<i>Xenopus fraseri</i> : Mr. Fraser, where did your frog come from?. <i>PLoS ONE</i> , 2019, 14, e0220892.	1.1	24
39	Diversity and evolution of male secondary sexual characters in African squeakers and long-fingered frogs. <i>Biological Journal of the Linnean Society</i> , 0, 96, 553-573.	0.7	21
40	Identification, synthesis and mass spectrometry of a macrolide from the African reed frog <i>Hyperolius cinnamomeoventris</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2731-2738.	1.3	21
41	Comparative morphology of the humerus in forward-burrowing frogs. <i>Biological Journal of the Linnean Society</i> , 2020, 131, 291-303.	0.7	21
42	Two new species of the <i>Brachycephaluspernix</i> group (Anura: Brachycephalidae) from the state of Paraná, southern Brazil. <i>PeerJ</i> , 2017, 5, e3603.	0.9	21
43	A new species of <i>Brachycephalus</i> (Anura: Brachycephalidae) from Santa Catarina, southern Brazil. <i>PeerJ</i> , 2016, 4, e2629.	0.9	20
44	Ontogenetic Diet Change in the Arthroleptid Frog <i>Schoutedenella xenodactyloides</i> . <i>Journal of Herpetology</i> , 2006, 40, 388-394.	0.2	19
45	A New Squeaker Frog (Arthroleptidae: Arthroleptis) From the Cameroon Volcanic Line With Redescriptions Of <i>Arthroleptis adolfriederici</i> Nieden, 1911 and <i>A. variabilis</i> Matschie, 1893. <i>Breviora</i> , 2009, 515, 1-22.	0.2	19
46	The earliest record of the endemic African frog family Ptychadenidae from the Oligocene Nsungwe Formation of Tanzania. <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e907174.	0.4	19
47	A New Squeaker Frog (Arthroleptidae: Arthroleptis) from the Mountains of Cameroon and Nigeria. <i>Herpetologica</i> , 2010, 66, 335-348.	0.2	18
48	A new ancient lineage of frog (Anura: Nyctibatrachidae: Astrobatrachinae subfam. nov.) endemic to the Western Ghats of Peninsular India. <i>PeerJ</i> , 2019, 7, e6457.	0.9	18
49	Brazilian marsupial frogs are diphyletic (Anura: Hemiphractidae: Gastrotheca). <i>Molecular Phylogenetics and Evolution</i> , 2013, 68, 709-714.	1.2	17
50	A new earless species of <i>Poyntonophrynus</i> (Anura, Bufonidae) from the Serra da Neve Inselberg, Namibe Province, Angola. <i>ZooKeys</i> , 2018, 780, 109-136.	0.5	17
51	The earliest record of Caribbean frogs: a fossil coelacanth from Puerto Rico. <i>Biology Letters</i> , 2020, 16, 20190947.	1.0	16
52	Distinguishing Features of the Sub-Saharan Frog Genera <i>Arthroleptis</i> and <i>Phrynobatrachus</i> : A Short Guide for Field and Museum Researchers. <i>Breviora</i> , 2008, 513, 1-12.	0.2	15
53	Concealed weapons: erectile claws in African frogs. <i>Biology Letters</i> , 2008, 4, 355-357.	1.0	14
54	A new puddle frog (Phrynobatrachidae: <i>Phrynobatrachus</i>) from the Mambilla Plateau in eastern Nigeria. <i>African Journal of Herpetology</i> , 2010, 59, 33-52.	0.3	14

#	ARTICLE	IF	CITATIONS
55	Herpetofauna of Montane Areas of Tanzania. 3. Amphibian Diversity in the Northwestern Eastern Arc Mountains, with the Description of a New Species of <i>Arthroleptis</i> (Anura: Arthroleptidae). <i>Fieldiana: Life and Earth Sciences</i> , 2011, 4, 90-102.	1.0	14
56	The Earliest Fossil of the African Clawed Frog (Genus <i>Xenopus</i>) from Sub-Saharan Africa. <i>Journal of Herpetology</i> , 2019, 53, 125.	0.2	14
57	A New Species of <i>Cardioglossa</i> (Anura: Arthroleptidae) from the Upper Guinean Forests of West Africa. <i>Copeia</i> , 2008, 2008, 603-612.	1.4	13
58	Rampant tooth loss across 200 million years of frog evolution. <i>ELife</i> , 2021, 10, .	2.8	13
59	Diversity within diversity: Parasite species richness in poison frogs assessed by transcriptomics. <i>Molecular Phylogenetics and Evolution</i> , 2018, 125, 40-50.	1.2	12
60	A New Puddle Frog (Phrynobatrachidae: Phrynobatrachus) from the Obudu Plateau In Eastern Nigeria. <i>Herpetologica</i> , 2011, 67, 271-287.	0.2	11
61	Early limb patterning in the direct-developing salamander <i>Plethodon cinereus</i> revealed by <i>sox9</i> and <i>col2a1</i> . <i>Evolution & Development</i> , 2018, 20, 100-107.	1.1	11
62	An enigmatic mortality event in the only population of the Critically Endangered Cameroon frog <i>Xenopus longipes</i> . <i>African Journal of Herpetology</i> , 2010, 59, 111-122.	0.3	10
63	A New Species of Narrow-Mouthed Frog of the Genus <i>Kaloula</i> from Eastern Indochina. <i>Herpetologica</i> , 2013, 69, 329-341.	0.2	10
64	Molecular phylogenetics reveals a complex history underlying cryptic diversity in the Bush Squeaker Frog (<i>Arthroleptis wahlbergii</i>) in southern Africa. <i>African Zoology</i> , 2018, 53, 83-97.	0.2	10
65	A New Squeaker Frog (Arthroleptidae: Arthroleptis) from Bioko Island, Equatorial Guinea. <i>Herpetologica</i> , 2010, 66, 320-334.	0.2	9
66	Introducing the Computer Science Concept of Variables in Middle School Science Classrooms. , 2018, , .		8
67	Predicting the Impact of Describing New Species on Phylogenetic Patterns. <i>Integrative Organismal Biology</i> , 2019, 1, obz028.	0.9	8
68	Macroevolutionary Patterns of Sexual Size Dimorphism Among African Tree Frogs (Family: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	1.0	8
69	First Record of the Anuran Family Rhinophrynidae from the Oligocene of Eastern North America. <i>Journal of Herpetology</i> , 2019, 53, 316.	0.2	8
70	Dietary Partitioning in Two Co-occurring Caecilian Species (<i>Geotrypetes seraphini</i> and <i>Herpele</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	0.9	7
71	Amphibians in Zootaxa: 20 years documenting the global diversity of frogs, salamanders, and caecilians. <i>Zootaxa</i> , 2021, 4979, 5769.	0.2	7
72	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.	2.0	7

#	ARTICLE	IF	CITATIONS
73	Bridging the Research Gap between Live Collections in Zoos and Preserved Collections in Natural History Museums. <i>BioScience</i> , 2022, 72, 449-460.	2.2	7
74	An Annotated Catalog of the Type Specimens of Amphibia in the Collection of the Museo Civico Di Storia Naturale, Milan, Italy. <i>Herpetological Monographs</i> , 2014, 28, 24-45.	1.1	6
75	Two new species of long-fingered frogs of the genus <i>Cardioglossa</i> (Anura: Arthroleptidae) from Central African rainforests. <i>African Journal of Herpetology</i> , 2015, 64, 81-102.	0.3	6
76	Data Sources for Trait Databases: Comparing the Phenomic Content of Monographs and Evolutionary Matrices. <i>PLoS ONE</i> , 2016, 11, e0155680.	1.1	6
77	A new species of Rain Frog (Brevicipitidae, Breviceps) endemic to Angola. <i>ZooKeys</i> , 2020, 979, 133-160.	0.5	6
78	" <i>Xenopus paratropicalis</i> " is not a valid name. <i>Zootaxa</i> , 2011, 3035, 57.	0.2	5
79	Description of the tadpoles of two Cameroonian frogs, <i>Leptodactylodon axillaris</i> and <i>L. perreti</i> (Anura: Arthroleptidae). <i>African Journal of Herpetology</i> , 2013, 62, 28-39.	0.3	5
80	Conservation genetics of two threatened frogs from the Mambilla highlands, Nigeria. <i>PLoS ONE</i> , 2018, 13, e0202010.	1.1	5
81	Evolution of the African slippery frogs (Anura: <i>Conraua</i>), including the world's largest living frog. <i>Zoologica Scripta</i> , 2020, 49, 684-696.	0.7	5
82	New Species of <i>Arthroleptis</i> (Anura: Arthroleptidae) from Ngozi Crater in the Poroto Mountains of Southwestern Tanzania. <i>Journal of Herpetology</i> , 2012, 46, 129-135.	0.2	3
83	An identification guide to fossil frog assemblages of southern Africa based on ilia of extant taxa. <i>Zoologischer Anzeiger</i> , 2019, 283, 46-57.	0.4	3
84	Morphological and genetic variation of <i>Leptopelis brevirostris</i> encompasses the little-known treefrogs <i>Leptopelis crystallinon</i> from Gabon and <i>Leptopelis brevipes</i> from Bioko Island, Equatorial Guinea. <i>African Journal of Herpetology</i> , 2019, 68, 91-117.	0.3	3
85	Discovering and Applying the Urban Rules of Life to Design Sustainable and Healthy Cities. <i>Integrative and Comparative Biology</i> , 2021, 61, 1237-1252.	0.9	3
86	A new critically endangered slippery frog (Amphibia, Conrauidae, <i>Conraua</i>) from the Atewa Range, central Ghana. <i>Zootaxa</i> , 2021, 4995, 71-95.	0.2	2
87	Monographs as a nexus for building extended specimen networks using persistent identifiers. , 2022, 1, .		2
88	Semicircular canal size constrains vestibular function in miniaturized frogs. <i>Science Advances</i> , 2022, 8, .	4.7	2
89	A new slippery frog (Amphibia, Conrauidae, <i>Conraua Nieden</i> , 1908) from the Fouta Djallon Highlands, west-central Guinea. <i>Zoosystematics and Evolution</i> , 2022, 98, 23-42.	0.4	1
90	Cover Image: Volume 20, Issue 3. <i>Evolution & Development</i> , 2018, 20, i.	1.1	0