

# R Alexander Pyron

## List of Publications by Year in descending order

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104  
papers

9,397  
citations

61687

45  
h-index

48101

92  
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106  
all docs

106  
docs citations

106  
times ranked

9086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contextualizing enigmatic extinctions using genomic DNA from fluid-preserved museum specimens of <i>Desmognathus</i> salamanders. <i>Conservation Genetics</i> , 2022, 23, 375-386.	0.8	8
2	Candidate species delimitation in <i>Desmognathus</i> salamanders reveals gene flow across lineage boundaries, confounding phylogenetic estimation and clarifying hybrid zones. <i>Ecology and Evolution</i> , 2022, 12, e8574.	0.8	18
3	A nomenclatural and taxonomic review of the salamanders (Urodela) from Holbrook's North American Herpetology. <i>Zootaxa</i> , 2022, 5134, 151-196.	0.2	3
4	A new, narrowly endemic species of swamp-dwelling dusky salamander (Plethodontidae: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (	0.2	3
5	The normative postulate problem: Hidden values in ecology, evolution, and conservation. <i>Biological Conservation</i> , 2022, 270, 109584.	1.9	6
6	The taxonomic and nomenclatural status of the nomina <i>Salamandra fusca</i> Green, 1818 and <i>Salamandra quadramaculata</i> Holbrook, 1840 (Amphibia, Urodela). <i>Bionomina</i> , 2022, 27, .	0.2	2
7	Nomenclatural solutions for diagnosing cryptic species using molecular and morphological data facilitate a taxonomic revision of the Black-bellied Salamanders (Urodela, <i>Desmognathus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.2	3
8	Empirical and philosophical problems with the subspecies rank. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	26
9	Phylogenomics Reveals Ancient Gene Tree Discordance in the Amphibian Tree of Life. <i>Systematic Biology</i> , 2021, 70, 49-66.	2.7	124
10	Congruence and Conflict in the Higher-Level Phylogenetics of Squamate Reptiles: An Expanded Phylogenomic Perspective. <i>Systematic Biology</i> , 2021, 70, 542-557.	2.7	35
11	The first duckbill dinosaur (Hadrosauridae: Lambeosaurinae) from Africa and the role of oceanic dispersal in dinosaur biogeography. <i>Cretaceous Research</i> , 2021, 120, 104678.	0.6	26
12	&lt;p class="ZootaxaTitle"&gt;New concepts and methods for phylogenetic taxonomy and nomenclature in zoology, exemplified by a new ranked cladonomy of recent amphibians (Lissamphibia). <i>Megataxa</i> , 2021, 5, .	1.5	58
13	THE SQUAMATE TREE OF LIFE. <i>Bulletin of the Museum of Comparative Zoology</i> , 2021, 163, .	1.0	25
14	&lt;p class="ZootaxaTitle"&gt;New concepts and methods for phylogenetic taxonomy and nomenclature in zoology, exemplified by a new ranked cladonomy of recent amphibians (Lissamphibia): corrigenda and addenda. <i>Megataxa</i> , 2021, 6, .	1.5	1
15	Amphibian Speciation Rates Support a General Role of Mountains as Biodiversity Pumps. <i>American Naturalist</i> , 2021, 198, E68-E79.	1.0	19
16	Evolutionary legacies in contemporary tetrapod imperilment. <i>Ecology Letters</i> , 2021, 24, 2464-2476.	3.0	13
17	Additional comments on the types and nomina of several North American ratsnakes ( <i>Pantherophis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.2	3
18	Interrogating Genomic-Scale Data for Squamata (Lizards, Snakes, and Amphisbaenians) Shows no Support for Key Traditional Morphological Relationships. <i>Systematic Biology</i> , 2020, 69, 502-520.	2.7	191

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19	Phylogenetic and spatial distribution of evolutionary diversification, isolation, and threat in turtles and crocodylians (non-avian archosaurs). <i>BMC Evolutionary Biology</i> , 2020, 20, 81.	3.2	38
20	Phylogenomic data reveal reticulation and incongruence among mitochondrial candidate species in Dusky Salamanders ( <i>Desmognathus</i> ). <i>Molecular Phylogenetics and Evolution</i> , 2020, 146, 106751.	1.2	28
21	The herpetological legacy of Jacob Green and the nomenclature of some North American lizards and salamanders. <i>Zootaxa</i> , 2020, 4838, zootaxa.4838.2.4.	0.2	2
22	Seasonal Timing of Spermatogenesis and Mating in Squamates: A Reinterpretation. <i>Copeia</i> , 2020, 108, 231.	1.4	11
23	Specialized breeding in plants affects diversification trajectories in Neotropical frogs. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1815-1825.	1.1	13
24	Allometric escape from acoustic constraints is rare for frog calls. <i>Ecology and Evolution</i> , 2020, 10, 3686-3695.	0.8	34
25	Additions to the phylogeny of colubrine snakes in Southwestern Asia, with description of a new genus and species (Serpentes: Colubridae: Colubrinae). <i>PeerJ</i> , 2020, 8, e9016.	0.9	5
26	Phylogenetic and Trait-Based Prediction of Extinction Risk for Data-Deficient Amphibians. <i>Current Biology</i> , 2019, 29, 1557-1563.e3.	1.8	124
27	Species sorting and mass effect along forest succession: Evidence from taxonomic, functional, and phylogenetic diversity of amphibian communities. <i>Ecology and Evolution</i> , 2019, 9, 5206-5218.	0.8	11
28	Further notes on the Sri Lankan uropeltid snakes <i>Rhinophis saffragamus</i> (Kelaart, 1853) and <i>Uropeltis ruhunae</i> Deraniyagala, 1954. <i>Zootaxa</i> , 2019, 4560, 592.	0.2	0
29	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
30	The interplay of past diversification and evolutionary isolation with present imperilment across the amphibian tree of life. <i>Nature Ecology and Evolution</i> , 2018, 2, 850-858.	3.4	389
31	Global amphibian declines have winners and losers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3739-3741.	3.3	26
32	Patterns, biases and prospects in the distribution and diversity of Neotropical snakes. <i>Global Ecology and Biogeography</i> , 2018, 27, 14-21.	2.7	63
33	Novel Approaches for Phylogenetic Inference from Morphological Data and Total-Evidence Dating in Squamate Reptiles (Lizards, Snakes, and Amphisbaenians). <i>Systematic Biology</i> , 2017, 66, syw068.	2.7	84
34	Using phylogenomics to understand the link between biogeographic origins and regional diversification in ratsnakes. <i>Molecular Phylogenetics and Evolution</i> , 2017, 111, 206-218.	1.2	36
35	Genomic timetree and historical biogeography of Caribbean island ameiva lizards ( <i>Pholidoscelis</i> : Teiidae). <i>Ecology and Evolution</i> , 2017, 7, 7080-7090.	0.8	25
36	A new species of <i>Aspidura</i> Wagler, 1830 (Squamata: Colubridae: Natricinae) from Sri Pada sanctuary (Peak Wilderness), Sri Lanka. <i>Zootaxa</i> , 2017, 4347, 275.	0.2	2

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37	Editorial: Dating the Tree of Life. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	1
38	Comparative Phylogeography Reveals Cryptic Diversity and Repeated Patterns of Cladogenesis for Amphibians and Reptiles in Northwestern Ecuador. <i>PLoS ONE</i> , 2016, 11, e0151746.	1.1	47
39	Body sizes and diversification rates of lizards, snakes, amphisbaenians and the tuatara. <i>Global Ecology and Biogeography</i> , 2016, 25, 187-197.	2.7	154
40	Methodological congruence in phylogenomic analyses with morphological support for teiid lizards (Sauria: Teiidae). <i>Molecular Phylogenetics and Evolution</i> , 2016, 103, 75-84.	1.2	45
41	A catalogue and systematic overview of the shield-tailed snakes (Serpentes: Uropeltidae). <i>Zoosystema</i> , 2016, 38, 453-506.	0.2	25
42	Fully-sampled phylogenies of squamates reveal evolutionary patterns in threat status. <i>Biological Conservation</i> , 2016, 204, 23-31.	1.9	337
43	A revision and key for the tribe Diaphorolepidini (Serpentes: Dipsadidae) and checklist for the genus <i>Synophis</i> . <i>Zootaxa</i> , 2016, 4171, 293-320.	0.2	10
44	Integrating phylogenomic and morphological data to assess candidate species-delimitation models in brown and red-bellied snakes ( <i>Storeria</i> ). <i>Zoological Journal of the Linnean Society</i> , 2016, 177, 937-949.	1.0	66
45	<i>Cnemaspis flaviventralis</i> , a new species of gecko (Squamata: Gekkonidae) from the Western Ghats of Maharashtra, India. <i>Journal of Threatened Taxa</i> , 2016, 8, 9619.	0.1	4
46	Cryptic, Sympatric Diversity in Tegu Lizards of the Tupinambis teguixin Group (Squamata, Sauria). <i>Journal of Herpetology</i> , 2016, 50, 10-20.	1.1	20
47	Advancing perspectives on parity mode evolution. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 562-563.	0.6	12
48	Systematics of Nothopsini (Serpentes, Dipsadidae), with a new species of <i>Synophis</i> from the Pacific Andean slopes of southwestern Ecuador. <i>ZooKeys</i> , 2015, 541, 109-147.	0.5	15
49	Post-molecular systematics and the future of phylogenetics. <i>Trends in Ecology and Evolution</i> , 2015, 30, 384-389.	4.2	83
50	Contrasting models of parity mode evolution in squamate reptiles. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2015, 324, 467-472.	0.6	14
51	Fossil-based comparative analyses reveal ancient marine ancestry erased by extinction in ray-finned fishes. <i>Ecology Letters</i> , 2015, 18, 441-450.	3.0	144
52	Biogeography of worm lizards (Amphisbaenia) driven by end-Cretaceous mass extinction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20143034.	1.2	52
53	Molecular phylogeny of stream treefrogs (Hylidae: <i>Hyloscirtus bogotensis</i> Group), with a new species from the Andes of Ecuador. <i>Neotropical Biodiversity</i> , 2015, 1, 2-21.	0.2	15
54	Predicting community structure in snakes on Eastern Nearctic islands using ecological neutral theory and phylogenetic methods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151700.	1.2	16

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55	Phylogenetic niche conservatism and the evolutionary basis of ecological speciation. <i>Biological Reviews</i> , 2015, 90, 1248-1262.	4.7	233
56	An evaluation of fossil tip-dating versus node-age calibrations in tetraodontiform fishes (Teleostei). <i>Trends in Ecology and Evolution</i> , 2015, 30, 126-132.	1.2	126
57	A Taxonomic Revision of Boas (Serpentes: Boidae). <i>Zootaxa</i> , 2014, 3846, 249-60.	0.2	40
58	Systematics of the blindsnakes (Serpentes: Scolecophidia: Typhlopoidea) based on molecular and morphological evidence. <i>Zootaxa</i> , 2014, 3829, 1.	0.2	55
59	A taxonomic revision of the Asian keelback snakes, genus <i>Amphiesma</i> (Serpentes: Colubridae). <i>Trends in Ecology and Evolution</i> , 2014, 29, 42-48.	0.2	42
60	Early origin of viviparity and multiple reversions to oviparity in squamate reptiles. <i>Ecology Letters</i> , 2014, 17, 13-21.	3.0	256
61	Ecological divergence and sexual selection drive sexual size dimorphism in new world pitvipers (Serpentes: Viperidae). <i>Journal of Evolutionary Biology</i> , 2014, 27, 760-771.	0.8	33
62	Ecological and evolutionary determinants of species richness and phylogenetic diversity for island snakes. <i>Global Ecology and Biogeography</i> , 2014, 23, 848-856.	2.7	25
63	Island tameness: living on islands reduces flight initiation distance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20133019.	1.2	95
64	Phylogenetic diversity, habitat loss and conservation in South American pitvipers (Crotalinae: Bothrops and Bothrocophias). <i>Diversity and Distributions</i> , 2014, 20, 1108-1119.	1.9	31
65	Coalescent Species Delimitation in Milk Snakes (Genus <i>Lampropeltis</i> ) and Impacts on Phylogenetic Comparative Analyses. <i>Systematic Biology</i> , 2014, 63, 231-250.	2.7	109
66	Biogeographic Analysis Reveals Ancient Continental Vicariance and Recent Oceanic Dispersal in Amphibians. <i>Systematic Biology</i> , 2014, 63, 779-797.	2.7	277
67	Effectiveness of phylogenomic data and coalescent species-tree methods for resolving difficult nodes in the phylogeny of advanced snakes (Serpentes: Caenophidia). <i>Molecular Phylogenetics and Evolution</i> , 2014, 81, 221-231.	1.2	86
68	Temperate extinction in squamate reptiles and the roots of latitudinal diversity gradients. <i>Global Ecology and Biogeography</i> , 2014, 23, 1126-1134.	2.7	56
69	Microhabitat Variation Explains Local-scale Distribution of Terrestrial Amazonian Lizards in Rondônia, Western Brazil. <i>Biotropica</i> , 2013, 45, 245-252.	0.8	17
70	Phylogenetic estimates of speciation and extinction rates for testing ecological and evolutionary hypotheses. <i>Trends in Ecology and Evolution</i> , 2013, 28, 729-736.	4.2	101
71	Large-scale phylogenetic analyses reveal the causes of high tropical amphibian diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131622.	1.2	228
72	Genus-level phylogeny of snakes reveals the origins of species richness in Sri Lanka. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 969-978.	1.2	86

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73	A phylogeny and revised classification of Squamata, including 4161 species of lizards and snakes. BMC Evolutionary Biology, 2013, 13, 93.	3.2	1,252
74	Understanding the formation of ancient intertropical disjunct distributions using Asian and Neotropical hinged-teeth snakes (Sibynophis and Scaphiodontophis: Serpentes: Colubridae). Molecular Phylogenetics and Evolution, 2013, 66, 254-261.	1.2	31
75	Lycodon and Dinodon: One genus or two? Evidence from molecular phylogenetics and morphological comparisons. Molecular Phylogenetics and Evolution, 2013, 68, 144-149.	1.2	25
76	Two novel genera and one new species of treefrog (Anura: Rhacophoridae) highlight cryptic diversity in the Western Ghats of India. Zootaxa, 2013, 3640, 177-99.	0.2	33
77	Out of Asia: Natricine snakes support the Cenozoic Beringian Dispersal Hypothesis. Molecular Phylogenetics and Evolution, 2012, 63, 825-833.	1.2	78
78	Evidence for determinism in species diversification and contingency in phenotypic evolution during adaptive radiation. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4817-4826.	1.2	67
79	Polyploidization and Sex Chromosome Evolution in Amphibians. , 2012, , 385-410.		52
80	Trait-dependent diversification and the impact of palaeontological data on evolutionary hypothesis testing in New World ratsnakes (tribe Lampropeltini). Journal of Evolutionary Biology, 2012, 25, 497-508.	0.8	25
81	When are adaptive radiations replicated in areas? Ecological opportunity and unexceptional diversification in West Indian dipsadine snakes (Colubridae: Alsophiini). Journal of Biogeography, 2012, 39, 465-475.	1.4	41
82	EXTINCTION, ECOLOGICAL OPPORTUNITY, AND THE ORIGINS OF GLOBAL SNAKE DIVERSITY. Evolution; International Journal of Organic Evolution, 2012, 66, 163-178.	1.1	122
83	PHYLOGENETIC ANALYSES REVEAL UNEXPECTED PATTERNS IN THE EVOLUTION OF REPRODUCTIVE MODES IN FROGS. Evolution; International Journal of Organic Evolution, 2012, 66, 3687-3700.	1.1	172
84	Apparent signal of competition limiting diversification after ecological transitions from marine to freshwater habitats. Ecology Letters, 2012, 15, 822-830.	3.0	87
85	Divergence Time Estimation Using Fossils as Terminal Taxa and the Origins of Lissamphibia. Systematic Biology, 2011, 60, 466-481.	2.7	354
86	A large-scale phylogeny of Amphibia including over 2800 species, and a revised classification of extant frogs, salamanders, and caecilians. Molecular Phylogenetics and Evolution, 2011, 61, 543-583.	1.2	1,184
87	Phylogenetic relationships of the Cretaceous frog <i>Beelzebufo</i> from Madagascar and the placement of fossil constraints based on temporal and phylogenetic evidence. Journal of Evolutionary Biology, 2011, 24, 274-285.	0.8	32
88	Phylogenetic origins of local-scale diversity patterns and the causes of Amazonian megadiversity. Ecology Letters, 2011, 14, 643-652.	3.0	126
89	THE IMPACT OF GENE-TREE/SPECIES-TREE DISCORDANCE ON DIVERSIFICATION-RATE ESTIMATION. Evolution; International Journal of Organic Evolution, 2011, 65, 1851-1861.	1.1	34
90	The phylogeny of advanced snakes (Colubroidea), with discovery of a new subfamily and comparison of support methods for likelihood trees. Molecular Phylogenetics and Evolution, 2011, 58, 329-342.	1.2	265

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91	HOW DOES ECOLOGICAL OPPORTUNITY INFLUENCE RATES OF SPECIATION, EXTINCTION, AND MORPHOLOGICAL DIVERSIFICATION IN NEW WORLD RATSNAKES (TRIBE LAMPROPELTINI)? Evolution; International Journal of Organic Evolution, 2010, 64, 934-943.	1.1	89
92	Does dispersal across an aquatic geographic barrier obscure phylogeographic structure in the diamond-backed watersnake ( <i>Nerodia rhombifer</i> )?. Molecular Phylogenetics and Evolution, 2010, 57, 552-560.	1.2	28
93	Hard and soft allopatry: physically and ecologically mediated modes of geographic speciation. Journal of Biogeography, 2010, 37, 2005-2015.	1.4	64
94	A Likelihood Method for Assessing Molecular Divergence Time Estimates and the Placement of Fossil Calibrations. Systematic Biology, 2010, 59, 185-194.	2.7	82
95	Systematics of the Common Kingsnake ( <i>Lampropeltis getula</i> ; Serpentes: Colubridae) and the burden of heritage in taxonomy. Zootaxa, 2009, 2241, 22-32.	0.2	52
96	Lineage diversification in a widespread species: roles for niche divergence and conservatism in the common kingsnake, <i>Lampropeltis getula</i> . Molecular Ecology, 2009, 18, 3443-3457.	2.0	122
97	EVOLUTIONARY AND BIOGEOGRAPHIC ORIGINS OF HIGH TROPICAL DIVERSITY IN OLD WORLD FROGS (RANIDAE). Evolution; International Journal of Organic Evolution, 2009, 63, 1217-1231.	1.1	181
98	Body size as a primary determinant of ecomorphological diversification and the evolution of mimicry in the lampropeltine snakes (Serpentes: Colubridae). Journal of Evolutionary Biology, 2009, 22, 2057-2067.	0.8	38
99	Can the tropical conservatism hypothesis explain temperate species richness patterns? An inverse latitudinal biodiversity gradient in the New World snake tribe Lampropeltini. Global Ecology and Biogeography, 2009, 18, 406-415.	2.7	75
100	Neogene diversification and taxonomic stability in the snake tribe Lampropeltini (Serpentes: Colubridae). Molecular Phylogenetics and Evolution, 2009, 50, 382-392.	1.2	67
101	Phylogeography across a continent: The evolutionary and demographic history of the North American racer (Serpentes: Colubridae: <i>Coluber constrictor</i> ). Molecular Phylogenetics and Evolution, 2008, 47, 274-288.	1.2	70
102	The Taming of the Skew: Estimating Proper Confidence Intervals for Divergence Dates. Systematic Biology, 2008, 57, 317-328.	2.7	56
103	Claims of Potential Expansion throughout the U.S. by Invasive Python Species Are Contradicted by Ecological Niche Models. PLoS ONE, 2008, 3, e2931.	1.1	58
104	Courtship and mating behaviours of two syntopic species of skink ( <i>Plestiodon anthracinus</i> and <i>Plestiodon</i> sp.). Journal of Herpetology, 2008, 42, 22-30.	0.1	2