Kyle Summers

List of Publications by Year
in descending order

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63 papers	3,213 citations	218381 26 h-index	168136 53 g-index
65 all docs	65 docs citations	65 times ranked	2762 citing authors

#	Article	IF	Citations
1	Interspecific and intraspecific views of color signals in the strawberry poison frog Dendrobates pumilio. Journal of Experimental Biology, 2004, 207, 2471-2485.	0.8	469
2	Visual mate choice in poison frogs. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 2141-2145.	1.2	210
3	Genetic structure is correlated with phenotypic divergence rather than geographic isolation in the highly polymorphic strawberry poison-dart frog. Molecular Ecology, 2010, 19, 447-458.	2.0	191
4	Molecular phylogenetic evidence for a mimetic radiation in Peruvian poison frogs supports a MÃ¼llerian mimicry hypothesis. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2415-2421.	1.2	164
5	A Key Ecological Trait Drove the Evolution of Biparental Care and Monogamy in an Amphibian. American Naturalist, 2010, 175, 436-446.	1.0	164
6	A taxonomic revision of the Neotropical poison frog genus Ranitomeya (Amphibia: Dendrobatidae). Zootaxa, 2011, 3083, 1.	0.2	106
7	Sexual selection and intra-femalecompetition in the green poison-dart frog, Dendrobates auratus. Animal Behaviour, 1989, 37, 797-805.	0.8	102
8	Parasitic exploitation as an engine of diversity. Biological Reviews, 2003, 78, 639-675.	4.7	91
9	The evolution of parental care and egg size: a comparative analysis in frogs. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 687-692.	1.2	89
10	Variation in spectral reflectance among populations of Dendrobates pumilio , the strawberry poison frog, in the Bocas del Toro Archipelago, Panama. Journal of Biogeography, 2003, 30, 35-53.	1.4	85
11	Paternal care and the cost of polygyny in the green dart-poison frog. Behavioral Ecology and Sociobiology, 1990, 27, 307-313.	0.6	83
12	Positive selection in the evolution of cancer. Biological Reviews, 2006, 81, 407.	4.7	82
13	Conserved transcriptomic profiles underpin monogamy across vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1331-1336.	3.3	75
14	Phytotelm size in relation to parental care and mating strategies in two species of Peruvian poison frogs. Behaviour, 2008, 145, 1139-1165.	0.4	72
15	Are aposematic signals honest? A review. Journal of Evolutionary Biology, 2015, 28, 1583-1599.	0.8	70
16	Mating strategies in two species of dart-poison frogs: a comparative study. Animal Behaviour, 1992, 43, 907-919.	0.8	69
17	The effects of cannibalism on Amazonian poison frog egg and tadpole deposition and survivorship in Heliconia axil pools. Oecologia, 1999, 119, 557-564.	0.9	63
18	Parents adjust care in response to weather conditions and egg dehydration in a Neotropical glassfrog. Behavioral Ecology and Sociobiology, 2013, 67, 557-569.	0.6	61

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19	Genetic divergence and speciation in lowland and montane peruvian poison frogs. Molecular Phylogenetics and Evolution, 2006, 41, 149-164.	1.2	56
20	Mate choice and the genetic basis for colour variation in a polymorphic dart frog: inferences from a wild pedigree. Molecular Ecology, 2012, 21, 3879-3892.	2.0	50
21	Parental Care, Sexual Selection, and Mating Systems in Neotropical Poison Frogs. , 2014, , 289-320.		41
22	Evidence for selection on coloration in a Panamanian poison frog: a coalescentâ€based approach. Journal of Biogeography, 2010, 37, 891-901.	1.4	40
23	Population expansion, isolation and selection: novel insights on the evolution of color diversity in the strawberry poison frog. Evolutionary Ecology, 2013, 27, 797-824.	0.5	39
24	The neural basis of tadpole transport in poison frogs. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191084.	1.2	39
25	Mimetic Divergence and the Speciation Continuum in the Mimic Poison FrogRanitomeya imitator. American Naturalist, 2016, 187, 205-224.	1.0	37
26	ORIGINAL ARTICLE: Genomic sisterâ€disorders of neurodevelopment: an evolutionary approach. Evolutionary Applications, 2009, 2, 81-100.	1.5	34
27	Reproductive isolation related to mimetic divergence in the poison frog Ranitomeya imitator. Nature Communications, 2014, 5, 4749.	5.8	34
28	Experimental evidence for predator learning and MÃ¼llerian mimicry in Peruvian poison frogs (Ranitomeya, Dendrobatidae). Evolutionary Ecology, 2014, 28, 413-426.	0.5	33
29	Cadherins in maternalâ€“foetal interactions: red queen with a green beard?. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 643-649.	1.2	31
30	Rapid diversification of colouration among populations of a poison frog isolated on sky peninsulas in the central cordilleras of Peru. Journal of Biogeography, 2007, 34, 417-426.	1.4	31
31	Phenotypic and Genetic Divergence among Poison Frog Populations in a Mimetic Radiation. PLoS ONE, 2013, 8, e55443.	1.1	29
32	A cognitive map in a poison frog. Journal of Experimental Biology, 2019, 222, .	0.8	29
33	Predator driven reproductive behavior in a tropical frog. Evolutionary Ecology, 2013, 27, 725-737.	0.5	28
34	Evidence for begging as an honest signal of offspring need in the biparental mimic poison frog. Animal Behaviour, 2016, 113, 1-11.	0.8	27
35	All's well that begins Wells: celebrating 60 years of Animal Behaviour and 36 years of research on anuran social behaviour. Animal Behaviour, 2013, 85, 5-18.	0.8	26
36	Alkaloid defenses of co-mimics in a putative MÃ¼llerian mimetic radiation. BMC Evolutionary Biology, 2014, 14, 76.	3.2	26

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37	Variation in pigmentation gene expression is associated with distinct aposematic color morphs in the poison frog Dendrobates auratus. BMC Evolutionary Biology, 2019, 19, 85.	3.2	25
38	The androgen receptor and prostate cancer: A role for sexual selection and sexual conflict?. Medical Hypotheses, 2008, 70, 435-443.	0.8	23
39	Phylogenomic Reconstruction of the Neotropical Poison Frogs (Dendrobatidae) and Their Conservation. Diversity, 2019, 11, 126.	0.7	23
40	Convergent evolution of bright coloration and toxicity in frogs. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12533-12534.	3.3	21
41	Advergence in MÃ¼llerian mimicry: the case of the poison dart frogs of Northern Peru revisited. Biology Letters, 2011, 7, 796-800.	1.0	21
42	Testing for selection on color and pattern in a mimetic radiation. Environmental Epigenetics, 2012, 58, 668-676.	0.9	21
43	Searching for hormonal facilitators: Are vasotocin and mesotocin involved in parental care behaviors in poison frogs?. Physiology and Behavior, 2017, 174, 74-82.	1.0	20
44	The genomics of mimicry: Gene expression throughout development provides insights into convergent and divergent phenotypes in a MÃ¼llerian mimicry system. Molecular Ecology, 2021, 30, 4039-4061.	2.0	20
45	Xmrks the spot: life history tradeoffs, sexual selection and the evolutionary ecology of oncogenesis. Molecular Ecology, 2010, 19, 3022-3024.	2.0	18
46	Sexual conflict and deception in poison frogs. Environmental Epigenetics, 2014, 60, 37-42.	0.9	15
47	Molecular evolution of the prostate cancer susceptibility locus RNASEL: Evidence for positive selection. Infection, Genetics and Evolution, 2008, 8, 297-301.	1.0	13
48	Intraspecific Call Variation in the Mimic Poison Frog Ranitomeya imitator. Herpetologica, 2015, 71, 252-259.	0.2	12
49	The palatability of Neotropical poison frogs in predatorâ€prey systems: do alkaloids make the difference?. Biotropica, 2017, 49, 23-26.	0.8	11
50	Cognitive Phenotype and Differential Gene Expression in a Hippocampal Homologue in Two Species of Frog. Integrative and Comparative Biology, 2020, 60, 1007-1023.	0.9	11
51	Number of genes controlling a quantitative trait in a hybrid zone of the aposematic frog Ranitomeya imitator. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141950.	1.2	10
52	Evolutionary genomics of human intellectual disability. Evolutionary Applications, 2010, 3, 52-63.	1.5	9
53	An Empirical Test Indicates Only Qualitatively Honest Aposematic Signaling Within a Population of Vertebrates. Journal of Herpetology, 2018, 52, 201-208.	0.2	9
54	Highly polymorphic microsatellite markers for the highly polymorphic strawberry poison-dart frog and some of its congeners. Conservation Genetics, 2009, 10, 2033-2036.	0.8	8

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55	Divergent patterns of selection on the DAB and DXB MHC class II loci in Xiphophorus fishes. Genetica, 2009, 135, 379-390.	0.5	8
56	The development and analysis of twenty-one microsatellite loci for three species of Amazonian poison frogs. Conservation Genetics Resources, 2009, 1, 149-151.	0.4	7
57	Neural crest cell genes and the domestication syndrome: A comparative analysis of selection. PLoS ONE, 2022, 17, e0263830.	1.1	7
58	Metabolism and parental care in ectotherms: a comment on Beekman et al.. Behavioral Ecology, 2019, 30, 593-594.	1.0	6
59	Effect of Body Size on Intraguild Predation between Tadpoles of Bamboo-Breeding Poison Frogs and Predaceous Mosquito Larvae. Journal of Freshwater Ecology, 2009, 24, 431-435.	0.5	5
60	Piperidine alkaloids from fire ants are not sequestered by the green and black poison frog (Dendrobates auratus). Chemoecology, 2021, 31, 391-396.	0.6	5
61	Who cares for the eggs? Analysis of egg attendance behaviour in Ranitomeya imitator, a poison frog with biparental care. Behaviour, 2021, 159, 603-614.	0.4	5
62	Concordant evidence for positive selection on genes related to self-domestication in bonobos and early humans.. Evolutionary Behavioral Sciences, 2023, 17, 322-332.	0.7	3
63	Expanding investigations of manipulation via maternal effects: a comment on Paquet and Smiseth. Behavioral Ecology, 2016, 27, 696.1-696.	1.0	1