

# Corinne L Richards-Zawacki

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

3,205  
citations

236612

25  
h-index

168136

53  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversity. <i>Science</i> , 2019, 363, 1459-1463.	6.0	805
2	Distribution modelling and statistical phylogeography: an integrative framework for generating and testing alternative biogeographical hypotheses. <i>Journal of Biogeography</i> , 2007, 34, 1833-1845.	1.4	245
3	Thermoregulatory behaviour affects prevalence of chytrid fungal infection in a wild population of Panamanian golden frogs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 519-528.	1.2	164
4	Chytrid fungus <i>Batrachochytrium dendrobatidis</i> has nonamphibian hosts and releases chemicals that cause pathology in the absence of infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 210-215.	3.3	153
5	Shifts in disease dynamics in a tropical amphibian assemblage are not due to pathogen attenuation. <i>Science</i> , 2018, 359, 1517-1519.	6.0	127
6	The effect of captivity on the cutaneous bacterial community of the critically endangered Panamanian golden frog ( <i>Atelopus zeteki</i> ). <i>Biological Conservation</i> , 2014, 176, 199-206.	1.9	117
7	Importance of genetic drift during Pleistocene divergence as revealed by analyses of genomic variation. <i>Molecular Ecology</i> , 2005, 14, 4023-4032.	2.0	103
8	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
9	Conserved transcriptomic profiles underpin monogamy across vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1331-1336.	3.3	75
10	Elevated temperature as a treatment for <i>Batrachochytrium dendrobatidis</i> infection in captive frogs. <i>Diseases of Aquatic Organisms</i> , 2011, 94, 235-238.	0.5	74
11	Clinical trials with itraconazole as a treatment for chytrid fungal infections in amphibians. <i>Diseases of Aquatic Organisms</i> , 2012, 101, 95-104.	0.5	66
12	Imprinting sets the stage for speciation. <i>Nature</i> , 2019, 574, 99-102.	13.7	54
13	INTRASPECIFIC REPRODUCTIVE CHARACTER DISPLACEMENT IN A POLYMORPHIC POISON DART FROG, <i>DENDROBATES PUMILIO</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 259-267.	1.1	51
14	Mate choice and the genetic basis for colour variation in a polymorphic dart frog: inferences from a wild pedigree. <i>Molecular Ecology</i> , 2012, 21, 3879-3892.	2.0	50
15	Effects of slope and riparian habitat connectivity on gene flow in an endangered Panamanian frog, <i>Atelopus varius</i> . <i>Diversity and Distributions</i> , 2009, 15, 796-806.	1.9	49
16	Genomic takeover by transposable elements in the Strawberry poison frog. <i>Molecular Biology and Evolution</i> , 2014, 35, 2913-2927.	3.5	45
17	No evidence for differential survival or predation between sympatric color morphs of an aposematic poison frog. <i>Evolutionary Ecology</i> , 2013, 27, 783-795.	0.5	42
18	Carotenoid supplementation enhances reproductive success in captive strawberry poison frogs ( <i>Oophaga pumilio</i> ). <i>Zoo Biology</i> , 2013, 32, 655-658.	0.5	39

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19	Fitness Consequences of Infection by <i>Batrachochytrium dendrobatidis</i> in Northern Leopard Frogs ( <i>Lithobates pipiens</i> ). <i>EcoHealth</i> , 2013, 10, 90-98.	0.9	37
20	Poison frog color morphs express assortative mate preferences in allopatry but not sympatry. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 2778-2788.	1.1	37
21	<i>Batrachochytrium dendrobatidis</i> in natural and farmed Louisiana crayfish populations: prevalence and implications. <i>Diseases of Aquatic Organisms</i> , 2015, 112, 229-235.	0.5	35
22	Variation in individual temperature preferences, not behavioural fever, affects susceptibility to chytridiomycosis in amphibians. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181111.	1.2	35
23	The Influence of Temperature on Chytridiomycosis In Vivo. <i>EcoHealth</i> , 2017, 14, 762-770.	0.9	33
24	Parental care is beneficial for offspring, costly for mothers, and limited by family size in an egg-feeding frog. <i>Behavioral Ecology</i> , 2016, 27, 476-483.	1.0	32
25	Conserving Panamanian harlequin frogs by integrating captive-breeding and research programs. <i>Biological Conservation</i> , 2019, 236, 180-187.	1.9	29
26	Temperature-Dependent Effects of Cutaneous Bacteria on a Frog's Tolerance of Fungal Infection. <i>Frontiers in Microbiology</i> , 2018, 9, 410.	1.5	28
27	Colour and Escape Behaviour in Polymorphic Populations of an Aposematic Poison Frog. <i>Ethology</i> , 2015, 121, 813-822.	0.5	26
28	Effects of hydroperiod on growth, development, survival and immune defences in a temperate amphibian. <i>Functional Ecology</i> , 2019, 33, 1952-1961.	1.7	25
29	Effects of captivity and rewilding on amphibian skin microbiomes. <i>Biological Conservation</i> , 2022, 271, 109576.	1.9	25
30	The demography of <i>Atelopus</i> decline: Harlequin frog survival and abundance in central Panama prior to and during a disease outbreak. <i>Global Ecology and Conservation</i> , 2015, 4, 232-242.	1.0	24
31	Effects of latitudinal, seasonal, and daily temperature variations on chytrid fungal infections in a North American frog. <i>Ecosphere</i> , 2019, 10, e02892.	1.0	22
32	Field and Laboratory Studies of the Susceptibility of the Green Treefrog ( <i>Hyla cinerea</i> ) to <i>Batrachochytrium dendrobatidis</i> Infection. <i>PLoS ONE</i> , 2012, 7, e38473.	1.1	21
33	The Amphibian Chytrid Fungus, <i>Batrachochytrium dendrobatidis</i> , in Fully Aquatic Salamanders from Southeastern North America. <i>PLoS ONE</i> , 2012, 7, e44821.	1.1	21
34	Tests of phenotypic and genetic concordance and their application to the conservation of Panamanian golden frogs ( <i>Anura</i> , <i>Bufonidae</i> ). <i>Molecular Ecology</i> , 2007, 16, 3119-3133.	2.0	20
35	Mate Choice versus Mate Preference: Inferences about Color-Assortative Mating Differ between Field and Lab Assays of Poison Frog Behavior. <i>American Naturalist</i> , 2019, 193, 598-607.	1.0	20
36	Evaluating the probability of avoiding disease-related extinctions of Panamanian amphibians through captive breeding programs. <i>Animal Conservation</i> , 2016, 19, 324-336.	1.5	19

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37	Distribution modeling and lineage diversity of the chytrid fungus <i>Batrachochytrium dendrobatidis</i> (Bd) in a central African amphibian hotspot. <i>PLoS ONE</i> , 2018, 13, e0199288.	1.1	19
38	Applied ecoimmunology: using immunological tools to improve conservation efforts in a changing world. , 2021, 9, coab074.		19
39	The Status of Louisiana's Diamondback Terrapin ( <i>Malaclemys terrapin</i> ) Populations in the Wake of the Deepwater Horizon Oil Spill: Insights from Population Genetic and Contaminant Analyses. <i>Journal of Herpetology</i> , 2014, 48, 125.	0.2	18
40	Both sexes pay a cost of reproduction in a frog with biparental care. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 211-218.	0.7	18
41	A captive breeding experiment reveals no evidence of reproductive isolation among lineages of a polytypic poison frog. <i>Biological Journal of the Linnean Society</i> , 2015, 116, 52-62.	0.7	18
42	Maleâ€‘male aggression is unlikely to stabilize a poison frog polymorphism. <i>Journal of Evolutionary Biology</i> , 2018, 31, 457-468.	0.8	18
43	Preparatory immunity: Seasonality of mucosal skin defences and <i>Batrachochytrium</i> infections in Southern leopard frogs. <i>Journal of Animal Ecology</i> , 2021, 90, 542-554.	1.3	18
44	The payâ€‘offs of maternal care increase as offspring develop, favouring extended provisioning in an eggâ€‘feeding frog. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1977-1985.	0.8	17
45	Warning signal properties covary with toxicity but not testosterone or aggregate carotenoids in a poison frog. <i>Evolutionary Ecology</i> , 2016, 30, 601-621.	0.5	17
46	Out in the cold and sick: Low temperatures and fungal infections impair a frog's skin defenses. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	16
47	Response to Comment on â€‘Amphibian fungal panzootic causes catastrophic and ongoing loss of biodiversityâ€‘. <i>Science</i> , 2020, 367, .	6.0	15
48	Whole exome sequencing identifies the potential for genetic rescue in iconic and critically endangered Panamanian harlequin frogs. <i>Global Change Biology</i> , 2021, 27, 50-70.	4.2	15
49	Automated detection of frog calls and choruses by pulse repetition rate. <i>Conservation Biology</i> , 2021, 35, 1659-1668.	2.4	14
50	Has the evolution of complexity in the amphibian papilla influenced anuran speciation rates?. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1222-1230.	0.8	13
51	Acoustic Communication in the Kihansi Spray Toad ( <i>Nectophrynoides asperginis</i> ): Insights from a Captive Population. <i>Journal of Herpetology</i> , 2011, 45, 45-49.	0.2	13
52	Experimental evidence for maternal provisioning of alkaloid defenses in a dendrobatid frog. <i>Toxicon</i> , 2019, 161, 40-43.	0.8	13
53	Fungal infection has sublethal effects in a lowland subtropical amphibian population. <i>BMC Ecology</i> , 2018, 18, 34.	3.0	12
54	Relationships between glucocorticoids and infection with <i>Batrachochytrium dendrobatidis</i> in three amphibian species. <i>General and Comparative Endocrinology</i> , 2020, 285, 113269.	0.8	12

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55	Conservation decisions under pressure: Lessons from an exercise in rapid response to wildlife disease. <i>Conservation Science and Practice</i> , 2020, 2, e141.	0.9	11
56	Divergent regional evolutionary histories of a devastating global amphibian pathogen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210782.	1.2	10
57	Male-male contest limits the expression of assortative mate preferences in a polymorphic poison frog. <i>Behavioral Ecology</i> , 2021, 32, 151-158.	1.0	9
58	Thermal Performance Curves of Multiple Isolates of <i>Batrachochytrium dendrobatidis</i> , a Lethal Pathogen of Amphibians. <i>Frontiers in Veterinary Science</i> , 2021, 8, 687084.	0.9	9
59	Evaluating environmental DNA as a tool for detecting an amphibian pathogen using an optimized extraction method. <i>Oecologia</i> , 2020, 194, 267-281.	0.9	8
60	Optimized <i>Batrachochytrium dendrobatidis</i> DNA extraction of swab samples results in imperfect detection particularly when infection intensities are low. <i>Diseases of Aquatic Organisms</i> , 2020, 139, 233-243.	0.5	8
61	Quantifying the relationship between optical anatomy and retinal physiological sensitivity: A comparative approach. <i>Journal of Comparative Neurology</i> , 2018, 526, 3045-3057.	0.9	7
62	Host species is linked to pathogen genotype for the amphibian chytrid fungus ( <i>Batrachochytrium</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.1	7
63	Once a reservoir, always a reservoir? Seasonality affects the pathogen maintenance potential of amphibian hosts. <i>Ecology</i> , 2022, , e3759.	1.5	7
64	Prior residence effect determines success of male-male territorial competition in a color polymorphic poison frog. <i>Ethology</i> , 2020, 126, 1131-1140.	0.5	6
65	Predictions of Disease Risk in Space and Time Based on the Thermal Physiology of an Amphibian Host-Pathogen Interaction. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	4