# Corinne L Richards-Zawacki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4412395/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 65 papers | 3,205 citations | 236925 25 h-index | 168389 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. Science, 2019, 363, 1459-1463. | 12.6 | 805 |
| 2 | Distribution modelling and statistical phylogeography: an integrative framework for generating and testing alternative biogeographical hypotheses. Journal of Biogeography, 2007, 34, 1833-1845. | 3.0 | 245 |
| 3 | Thermoregulatory behaviour affects prevalence of chytrid fungal infection in a wild population of Panamanian golden frogs. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 519-528. | 2.6 | 164 |
| 4 | Chytrid fungus Batrachochytrium dendrobatidis has nonamphibian hosts and releases chemicals that cause pathology in the absence of infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 210-215. | 7.1 | 153 |
| 5 | Shifts in disease dynamics in a tropical amphibian assemblage are not due to pathogen attenuation. Science, 2018, 359, 1517-1519. | 12.6 | 127 |
| 6 | The effect of captivity on the cutaneous bacterial community of the critically endangered Panamanian golden frog (Atelopus zeteki). Biological Conservation, 2014, 176, 199-206. | 4.1 | 117 |
| 7 | Importance of genetic drift during Pleistocene divergence as revealed by analyses of genomic variation. Molecular Ecology, 2005, 14, 4023-4032. | 3.9 | 103 |
| 8 | Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20382-20387. | 7.1 | 86 |
| 9 | Conserved transcriptomic profiles underpin monogamy across vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1331-1336. | 7.1 | 75 |
| 10 | Elevated temperature as a treatment for Batrachochytrium dendrobatidis infection in captive frogs. Diseases of Aquatic Organisms, 2011, 94, 235-238. | 1.0 | 74 |
| 11 | Clinical trials with itraconazole as a treatment for chytrid fungal infections in amphibians. Diseases of Aquatic Organisms, 2012, 101, 95-104. | 1.0 | 66 |
| 12 | Imprinting sets the stage for speciation. Nature, 2019, 574, 99-102. | 27.8 | 54 |
| 13 | INTRASPECIFIC REPRODUCTIVE CHARACTER DISPLACEMENT IN A POLYMORPHIC POISON DART FROG, DENDROBATES PUMILIO. Evolution; International Journal of Organic Evolution, 2011, 65, 259-267. | 2.3 | 51 |
| 14 | 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. | 3.9 | 50 |
| 15 | Effects of slope and riparian habitat connectivity on gene flow in an endangered Panamanian frog, Atelopus varius. Diversity and Distributions, 2009, 15, 796-806. | 4.1 | 49 |
| 16 | Genomic takeover by transposable elements in the Strawberry poison frog. Molecular Biology and Evolution, 2014, 35, 2913-2927. | 8.9 | 45 |
| 17 | No evidence for differential survival or predation between sympatric color morphs of an aposematic poison frog. Evolutionary Ecology, 2013, 27, 783-795. | 1.2 | 42 |
| 18 | Carotenoid supplementation enhances reproductive success in captive strawberry poison frogs (Oophaga pumilio). Zoo Biology, 2013, 32, 655-658. | 1.2 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fitness Consequences of Infection by Batrachochytrium dendrobatidis in Northern Leopard Frogs (Lithobates pipiens). EcoHealth, 2013, 10, 90-98. | 2.0 | 37 |
| 20 | Poison frog color morphs express assortative mate preferences in allopatry but not sympatry. Evolution; International Journal of Organic Evolution, 2016, 70, 2778-2788. | 2.3 | 37 |
| 21 | Batrachochytrium dendrobatidis in natural and farmed Louisiana crayfish populations: prevalence and implications. Diseases of Aquatic Organisms, 2015, 112, 229-235. | 1.0 | 35 |
| 22 | Variation in individual temperature preferences, not behavioural fever, affects susceptibility to chytridiomycosis in amphibians. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181111. | 2.6 | 35 |
| 23 | The Influence of Temperature on Chytridiomycosis In Vivo. EcoHealth, 2017, 14, 762-770. | 2.0 | 33 |
| 24 | Parental care is beneficial for offspring, costly for mothers, and limited by family size in an egg-feeding frog. Behavioral Ecology, 2016, 27, 476-483. | 2.2 | 32 |
| 25 | Conserving Panamanian harlequin frogs by integrating captive-breeding and research programs. Biological Conservation, 2019, 236, 180-187. | 4.1 | 29 |
| 26 | Temperature-Dependent Effects of Cutaneous Bacteria on a Frogâ€™s Tolerance of Fungal Infection. Frontiers in Microbiology, 2018, 9, 410. | 3.5 | 28 |
| 27 | Colour and Escape Behaviour in Polymorphic Populations of an Aposematic Poison Frog. Ethology, 2015, 121, 813-822. | 1.1 | 26 |
| 28 | Effects of hydroperiod on growth, development, survival and immune defences in a temperate amphibian. Functional Ecology, 2019, 33, 1952-1961. | 3.6 | 25 |
| 29 | Effects of captivity and rewilding on amphibian skin microbiomes. Biological Conservation, 2022, 271, 109576. | 4.1 | 25 |
| 30 | The demography of Atelopus decline: Harlequin frog survival and abundance in central Panama prior to and during a disease outbreak. Global Ecology and Conservation, 2015, 4, 232-242. | 2.1 | 24 |
| 31 | Effects of latitudinal, seasonal, and daily temperature variations on chytrid fungal infections in a North American frog. Ecosphere, 2019, 10, e02892. | 2.2 | 22 |
| 32 | Field and Laboratory Studies of the Susceptibility of the Green Treefrog (Hyla cinerea) to Batrachochytrium dendrobatidis Infection. PLoS ONE, 2012, 7, e38473. | 2.5 | 21 |
| 33 | The Amphibian Chytrid Fungus, Batrachochytrium dendrobatidis, in Fully Aquatic Salamanders from Southeastern North America. PLoS ONE, 2012, 7, e44821. | 2.5 | 21 |
| 34 | Tests of phenotypic and genetic concordance and their application to the conservation of Panamanian golden frogs (Anura, Bufonidae). Molecular Ecology, 2007, 16, 3119-3133. | 3.9 | 20 |
| 35 | Mate Choice versus Mate Preference: Inferences about Color-Assortative Mating Differ between Field and Lab Assays of Poison Frog Behavior. American Naturalist, 2019, 193, 598-607. | 2.1 | 20 |
| 36 | Evaluating the probability of avoiding diseaseâ€related extinctions of Panamanian amphibians through captive breeding programs. Animal Conservation, 2016, 19, 324-336. | 2.9 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Distribution modeling and lineage diversity of the chytrid fungus Batrachochytrium dendrobatidis (Bd) in a central African amphibian hotspot. PLoS ONE, 2018, 13, e0199288. | 2.5 | 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 (Malaclemys terrapin) Populations in the Wake of the Deepwater Horizon Oil Spill: Insights from Population Genetic and Contaminant Analyses. Journal of Herpetology, 2014, 48, 125. | 0.5 | 18 |
| 40 | Both sexes pay a cost of reproduction in a frog with biparental care. Biological Journal of the Linnean Society, 2015, 115, 211-218. | 1.6 | 18 |
| 41 | A captive breeding experiment reveals no evidence of reproductive isolation among lineages of a polytypic poison frog. Biological Journal of the Linnean Society, 2015, 116, 52-62. | 1.6 | 18 |
| 42 | Maleâ€“male aggression is unlikely to stabilize a poison frog polymorphism. Journal of Evolutionary Biology, 2018, 31, 457-468. | 1.7 | 18 |
| 43 | Preparatory immunity: Seasonality of mucosal skin defences and Batrachochytrium infections in Southern leopard frogs. Journal of Animal Ecology, 2021, 90, 542-554. | 2.8 | 18 |
| 44 | The payâ€offs of maternal care increase as offspring develop, favouring extended provisioning in an eggâ€feeding frog. Journal of Evolutionary Biology, 2016, 29, 1977-1985. | 1.7 | 17 |
| 45 | Warning signal properties covary with toxicity but not testosterone or aggregate carotenoids in a poison frog. Evolutionary Ecology, 2016, 30, 601-621. | 1.2 | 17 |
| 46 | Out in the cold and sick: Low temperatures and fungal infections impair a frog's skin defenses. Journal of Experimental Biology, 2019, 222, . | 1.7 | 16 |
| 47 | Response to Comment on â€œAmphibian fungal panzootic causes catastrophic and ongoing loss of biodiversityâ€. Science, 2020, 367, . | 12.6 | 15 |
| 48 | Whole exome sequencing identifies the potential for genetic rescue in iconic and critically endangered Panamanian harlequin frogs. Global Change Biology, 2021, 27, 50-70. | 9.5 | 15 |
| 49 | Automated detection of frog calls and choruses by pulse repetition rate. Conservation Biology, 2021, 35, 1659-1668. | 4.7 | 14 |
| 50 | Has the evolution of complexity in the amphibian papilla influenced anuran speciation rates?. Journal of Evolutionary Biology, 2006, 19, 1222-1230. | 1.7 | 13 |
| 51 | Acoustic Communication in the Kihansi Spray Toad (Nectophrynoides asperginis): Insights from a Captive Population. Journal of Herpetology, 2011, 45, 45-49. | 0.5 | 13 |
| 52 | Experimental evidence for maternal provisioning of alkaloid defenses in a dendrobatid frog. Toxicon, 2019, 161, 40-43. | 1.6 | 13 |
| 53 | Fungal infection has sublethal effects in a lowland subtropical amphibian population. BMC Ecology, 2018, 18, 34. | 3.0 | 12 |
| 54 | Relationships between glucocorticoids and infection with Batrachochytrium dendrobatidis in three amphibian species. General and Comparative Endocrinology, 2020, 285, 113269. | 1.8 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Conservation decisions under pressure: Lessons from an exercise in rapid response to wildlife disease. Conservation Science and Practice, 2020, 2, e141. | 2.0 | 11 |
| 56 | Divergent regional evolutionary histories of a devastating global amphibian pathogen. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210782. | 2.6 | 10 |
| 57 | Maleâ€“male contest limits the expression of assortative mate preferences in a polymorphic poison frog. Behavioral Ecology, 2021, 32, 151-158. | 2.2 | 9 |
| 58 | Thermal Performance Curves of Multiple Isolates of Batrachochytrium dendrobatidis, a Lethal Pathogen of Amphibians. Frontiers in Veterinary Science, 2021, 8, 687084. | 2.2 | 9 |
| 59 | Evaluating environmental DNA as a tool for detecting an amphibian pathogen using an optimized extraction method. Oecologia, 2020, 194, 267-281. | 2.0 | 8 |
| 60 | Optimized Batrachochytrium dendrobatidis DNA extraction of swab samples results in imperfect detection particularly when infection intensities are low. Diseases of Aquatic Organisms, 2020, 139, 233-243. | 1.0 | 8 |
| 61 | Quantifying the relationship between optical anatomy and retinal physiological sensitivity: A comparative approach. Journal of Comparative Neurology, 2018, 526, 3045-3057. | 1.6 | 7 |
| 62 | Host species is linked to pathogen genotype for the amphibian chytrid fungus (Batrachochytrium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.5 | 7 |
| 63 | Once a reservoir, always a reservoir? Seasonality affects the pathogen maintenance potential of amphibian hosts. Ecology, 2022, , e3759. | 3.2 | 7 |
| 64 | Prior residence effect determines success of maleâ€“male territorial competition in a color polymorphic poison frog. Ethology, 2020, 126, 1131-1140. | 1.1 | 6 |
| 65 | Predictions of Disease Risk in Space and Time Based on the Thermal Physiology of an Amphibian Host-Pathogen Interaction. Frontiers in Ecology and Evolution, 2020, 8, . | 2.2 | 4 |