Erica Bree Rosenblum

List of Publications by Year
in descending order

68 papers	3,600 citations	172457 29 h-index	144013 57 g-index
70 all docs	70 docs citations	70 times ranked	4085 citing authors

#	Article	IF	Citations
1	Molecular and functional basis of phenotypic convergence in white lizards at White Sands. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2113-2117.	7.1	264
2	Complex history of the amphibian-killing chytrid fungus revealed with genome resequencing data. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9385-9390.	7.1	238
3	Convergent Evolution and Divergent Selection: Lizards at the White Sands Ecotone. American Naturalist, 2006, 167, 1-15.	2.1	222
4	The Molecular Basis of Phenotypic Convergence. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 203-226.	8.3	222
5	ADAPTIVE REPTILE COLOR VARIATION AND THE EVOLUTION OF THE MCIR GENE. Evolution; International Journal of Organic Evolution, 2004, 58, 1794-1808.	2.3	198
6	Goldilocks Meets Santa Rosalia: An Ephemeral Speciation Model Explains Patterns of Diversification Across Time Scales. Evolutionary Biology, 2012, 39, 255-261.	1.1	195
7	Contextâ€dependent conservation responses to emerging wildlife diseases. Frontiers in Ecology and the Environment, 2015, 13, 195-202.	4.0	147
8	Large-scale recovery of an endangered amphibian despite ongoing exposure to multiple stressors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11889-11894.	7.1	129
9	Shifts in disease dynamics in a tropical amphibian assemblage are not due to pathogen attenuation. Science, 2018, 359, 1517-1519.	12.6	127
10	Interactions between Batrachochytrium dendrobatidis and its amphibian hosts: a review of pathogenesis and immunity. Microbes and Infection, 2011, 13, 25-32.	1.9	113
11	Global gene expression profiles for life stages of the deadly amphibian pathogen Batrachochytrium dendrobatidis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17034-17039.	7.1	101
12	Genomic Transition to Pathogenicity in Chytrid Fungi. PLoS Pathogens, 2011, 7, e1002338.	4.7	99
13	Toward Immunogenetic Studies of Amphibian Chytridiomycosis: Linking Innate and Acquired Immunity. BioScience, 2009, 59, 311-320.	4.9	90
14	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
15	Genome-Wide Transcriptional Response of Silurana (Xenopus) tropicalis to Infection with the Deadly Chytrid Fungus. PLoS ONE, 2009, 4, e6494.	2.5	84
16	Ascertainment Bias in Spatially Structured Populations: A Case Study in the Eastern Fence Lizard. Journal of Heredity, 2007, 98, 331-336.	2.4	82
17	Only skin deep: shared genetic response to the deadly chytrid fungus in susceptible frog species. Molecular Ecology, 2012, 21, 3110-3120.	3.9	82
18	Temperature alters reproductive life history patterns in Batrachochytrium dendrobatidis, a lethal pathogen associated with the global loss of amphibians. Ecology and Evolution, 2012, 2, 2241-2249.	1.9	79

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19	Diversity in growth patterns among strains of the lethal fungal pathogen Batrachochytrium dendrobatidis across extended thermal optima. Oecologia, 2017, 184, 363-373.	2.0	78
20	Fear of failure in conservation: The problem and potential solutions to aid conservation of extremely small populations. Biological Conservation, 2015, 184, 209-217.	4.1	60
21	The population genomics of rapid adaptation: disentangling signatures of selection and demography in white sands lizards. Molecular Ecology, 2016, 25, 306-323.	3.9	56
22	Pathophysiology in Mountain Yellow-Legged Frogs (Rana muscosa) during a Chytridiomycosis Outbreak. PLoS ONE, 2012, 7, e35374.	2.5	55
23	The Role of Phenotypic Plasticity in Color Variation of Tularosa Basin Lizards. Copeia, 2005, 2005, 586-596.	1.3	52
24	The Deadly Chytrid Fungus: A Story of an Emerging Pathogen. PLoS Pathogens, 2010, 6, e1000550.	4.7	50
25	Correlates of virulence in a frog-killing fungal pathogen: evidence from a California amphibian decline. ISME Journal, 2015, 9, 1570-1578.	9.8	47
26	Substrate-Specific Gene Expression in Batrachochytrium dendrobatidis, the Chytrid Pathogen of Amphibians. PLoS ONE, 2012, 7, e49924.	2.5	46
27	Moving Beyond Too Little, Too Late: Managing Emerging Infectious Diseases in Wild Populations Requires International Policy and Partnerships. EcoHealth, 2015, 12, 404-407.	2.0	45
28	Genomic Correlates of Virulence Attenuation in the Deadly Amphibian Chytrid Fungus,Batrachochytrium dendrobatidis. G3: Genes, Genomes, Genetics, 2015, 5, 2291-2298.	1.8	45
29	Comment on â€œAmphibian fungal panzootic causes catastrophic and ongoing loss of biodiversityâ€. Science, 2020, 367, .	12.6	40
30	Unlocking the story in the swab: A new genotyping assay for the amphibian chytrid fungus Batrachochytrium dendrobatidis. Molecular Ecology Resources, 2017, 17, 1283-1292.	4.8	33
31	Rapid divergence of social signal coloration across the White Sands ecotone for three lizard species under strong natural selection. Biological Journal of the Linnean Society, 0, 98, 243-255.	1.6	28
32	A molecular perspective: biology of the emerging pathogen Batrachochytrium dendrobatidis. Diseases of Aquatic Organisms, 2009, 92, 131-147.	1.0	28
33	Experimental evolution alters the rate and temporal pattern of population growth in Batrachochytrium dendrobatidis, a lethal fungal pathogen of amphibians. Ecology and Evolution, 2014, 4, 3633-3641.	1.9	28
34	Batrachochytrium dendrobatidis infection dynamics in the Columbia spotted frog Rana luteiventris in north Idaho, USA. Diseases of Aquatic Organisms, 2010, 92, 223-230.	1.0	24
35	Early presence of Batrachochytrium dendrobatidis in Mexico with a contemporary dominance of the global panzootic lineage. Molecular Ecology, 2021, 30, 424-437.	3.9	21
36	Convergent Phenotypic Evolution despite Contrasting Demographic Histories in the Fauna of White Sands. American Naturalist, 2017, 190, S44-S56.	2.1	18

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37	Colonization of novel White Sands habitat is associated with changes in lizard anti-predator behaviour. Biological Journal of the Linnean Society, 2011, 103, 657-667.	1.6	17
38	Colonization of a novel depauperate habitat leads to trophic niche shifts in three desert lizard species. Oikos, 2016, 125, 343-353.	2.7	17
39	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
40	Asymmetrical mate preference in recently adapted White Sands and black lava populations of Sceloporus undulatus. Environmental Epigenetics, 2013, 59, 20-30.	1.8	14
41	Preference for Local Mates in a Recently Diverged Population of the Lesser Earless Lizard (Holbrookia) Tj ETQq1 1 0.784314 rgBT /Ove	0.5	12
42	Preserving pathogens for wildlife conservation: a case for action on amphibian declines. Oryx, 2009, 43, 527.	1.0	12
43	Conservation genomics of desert dwelling California voles (Microtus californicus) and implications for management of endangered Amargosa voles (Microtus californicus scirpensis). Conservation Genetics, 2018, 19, 383-395.	1.5	12
44	Local adaptation does not lead to genomeâ€wide differentiation in lava flow lizards. Ecology and Evolution, 2019, 9, 6810-6820.	1.9	12
45	Genetic and phenotypic evidence of a contact zone between divergent colour morphs of the iconic redâ€eyed treefrog. Molecular Ecology, 2020, 29, 4442-4456.	3.9	12
46	Evidence for ecological release over a fine spatial scale in a lizard from the White Sands formation. Oikos, 2015, 124, 1624-1631.	2.7	11
47	Phenotypic and genetic diversity in aposematic Malagasy poison frogs (genus Mantella). Ecology and Evolution, 2019, 9, 2725-2742.	1.9	11
48	Beyond black and white: divergent behaviour and performance in three rapidly evolving lizard species at White Sands. Biological Journal of the Linnean Society, 2014, 111, 169-182.	1.6	10
49	Population genetic structure of the endangered Sierra Nevada yellow-legged frog (Rana sierrae) in Yosemite National Park based on multi-locus nuclear data from swab samples. Conservation Genetics, 2017, 18, 731-744.	1.5	10
50	Divergent regional evolutionary histories of a devastating global amphibian pathogen. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210782.	2.6	10
51	Skin bacterial metacommunities of San Francisco Bay Area salamanders are structured by host genus and habitat quality. FEMS Microbiology Ecology, 2022, 97, .	2.7	10
52	Mountain Yellow-legged Frogs (Rana muscosa) did not Produce Detectable Antibodies in Immunization Experiments with Batrachochytrium dendrobatidis. Journal of Wildlife Diseases, 2016, 52, 154-158.	0.8	9
53	Thermal Performance Curves of Multiple Isolates of Batrachochytrium dendrobatidis, a Lethal Pathogen of Amphibians. Frontiers in Veterinary Science, 2021, 8, 687084.	2.2	9
54	When Field Experiments Yield Unexpected Results: Lessons Learned from Measuring Selection in White Sands Lizards. PLoS ONE, 2015, 10, e0118560.	2.5	9

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55	Invasive vegetation affects amphibian skin microbiota and body condition. PeerJ, 2020, 8, e8549.	2.0	9
56	Host Defense Skin Peptides Vary with Color Pattern in the Highly Polymorphic Red-Eyed Treefrog. Frontiers in Ecology and Evolution, 2016, 4, .	2.2	8
57	Opening the file drawer: Unexpected insights from a chytrid infection experiment. PLoS ONE, 2018, 13, e0196851.	2.5	8
58	Geographic Color Variation and Physiological Color Change in Eastern Collared Lizards (Crotaphytus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	7
59	Host species is linked to pathogen genotype for the amphibian chytrid fungus (Batrachochytrium) Tj ETQq1 1 0.784314 rgBT /Overlock	2.5	7
60	Neuroanatomical Changes Related to a Changing Environment in Lesser Earless Lizards. Journal of Herpetology, 2017, 51, 258-262.	0.5	6
61	Genetic variation of Batrachochytrium dendrobatidis is linked to skin bacterial diversity in the Pacific treefrog Hyliola regilla (hypochondriaca). Environmental Microbiology, 2022, 24, 494-506.	3.8	6
62	Phylogenomics of peacock spiders and their kin (Salticidae:Maratus), with implications for the evolution of male courtship displays. Biological Journal of the Linnean Society, 2021, 132, 471-494.	1.6	5
63	Fungal infection, decline and persistence in the only obligate troglodytic Neotropical salamander. PeerJ, 2020, 8, e9763.	2.0	5
64	Thirteen polymorphic microsatellite DNA loci from whiptails of the genus Aspidoscelis (Teiidae:) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	4
65	Batrachochytrium dendrobatidis: requirement for further isolate collection and archiving. Diseases of Aquatic Organisms, 2010, 92, 109-112.	1.0	4
66	Stepping into the past to conserve the future: Archived skin swabs from extant and extirpated populations inform genetic management of an endangered amphibian. Molecular Ecology, 2020, 29, 2598-2611.	3.9	3
67	Genetic isolation by distance underlies colour pattern divergence in redâ€eyed treefrogs (Agalychnis) Tj ETQq1 1 0.784314 rgBT /O	3.9	2
68	The recombination landscapes of spiny lizards (genus Sceloporus). G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	0