

Cheryl J Briggs

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1760611/cheryl-j-briggs-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

8,979
citations

44
h-index

94
g-index

111
ext. papers

10,519
ext. citations

6.3
avg, IF

6.07
L-index

#	Paper	IF	Citations
108	Emerging fungal threats to animal, plant and ecosystem health. <i>Nature</i> , 2012 , 484, 186-94	50.4	1784
107	Dynamics of an emerging disease drive large-scale amphibian population extinctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9689-94	11.5	465
106	Enzootic and epizootic dynamics of the chytrid fungal pathogen of amphibians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9695-700	11.5	355
105	Skin microbes on frogs prevent morbidity and mortality caused by a lethal skin fungus. <i>ISME Journal</i> , 2009 , 3, 818-24	11.9	340
104	Should we expect population thresholds for wildlife disease?. <i>Trends in Ecology and Evolution</i> , 2005 , 20, 511-9	10.9	336
103	The ecology and impact of chytridiomycosis: an emerging disease of amphibians. <i>Trends in Ecology and Evolution</i> , 2010 , 25, 109-18	10.9	301
102	WHY DO POPULATIONS CYCLE? A SYNTHESIS OF STATISTICAL AND MECHANISTIC MODELING APPROACHES. <i>Ecology</i> , 1999 , 80, 1789-1805	4.6	242
101	Stabilizing effects in spatial parasitoid-host and predator-prey models: a review. <i>Theoretical Population Biology</i> , 2004 , 65, 299-315	1.2	216
100	Complex history of the amphibian-killing chytrid fungus revealed with genome resequencing data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9385-90	11.5	202
99	Emerging infectious disease as a proximate cause of amphibian mass mortality. <i>Ecology</i> , 2006 , 87, 1671-836	4.6	202
98	Theory for Biological Control: Recent Developments. <i>Ecology</i> , 1996 , 77, 2001-2013	4.6	196
97	The Novel and Endemic Pathogen Hypotheses: Competing Explanations for the Origin of Emerging Infectious Diseases of Wildlife. <i>Conservation Biology</i> , 2005 , 19, 1441-1448	6	182
96	Life-history trade-offs influence disease in changing climates: strategies of an amphibian pathogen. <i>Ecology</i> , 2008 , 89, 1627-39	4.6	181
95	QUANTIFYING VARIATION IN THE STRENGTHS OF SPECIES INTERACTIONS. <i>Ecology</i> , 1999 , 80, 2206-2224	4.6	178
94	Symbiotic bacteria contribute to innate immune defenses of the threatened mountain yellow-legged frog, <i>Rana muscosa</i> . <i>Biological Conservation</i> , 2007 , 138, 390-398	6.2	176
93	Competition Among Parasitoid Species on a Stage-Structured Host and Its Effect on Host Suppression. <i>American Naturalist</i> , 1993 , 141, 372-397	3.7	173
92	Habitat structure and population persistence in an experimental community. <i>Nature</i> , 2001 , 412, 538-43	50.4	168

91	Mitigating amphibian disease: strategies to maintain wild populations and control chytridiomycosis. <i>Frontiers in Zoology</i> , 2011 , 8, 8	2.8	166
90	The pathogen <i>Batrachochytrium dendrobatidis</i> disturbs the frog skin microbiome during a natural epidemic and experimental infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5049-58	11.5	151
89	Population genetics of the frog-killing fungus <i>Batrachochytrium dendrobatidis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13845-50	11.5	135
88	INVESTIGATING THE POPULATION-LEVEL EFFECTS OF CHYTRIDIOMYCOSIS: AN EMERGING INFECTIOUS DISEASE OF AMPHIBIANS. <i>Ecology</i> , 2005 , 86, 3149-3159	4.6	133
87	Spatial dynamics of lyme disease: a review. <i>EcoHealth</i> , 2008 , 5, 167-95	3.1	117
86	DYNAMICAL EFFECTS OF PLANT QUALITY AND PARASITISM ON POPULATION CYCLES OF LARCH BUDMOTH. <i>Ecology</i> , 2003 , 84, 1207-1214	4.6	115
85	Context-dependent conservation responses to emerging wildlife diseases. <i>Frontiers in Ecology and the Environment</i> , 2015 , 13, 195-202	5.5	112
84	Aggregation and stability in metapopulation models. <i>American Naturalist</i> , 1992 , 140, 41-58	3.7	105
83	WHY SHORT-TERM EXPERIMENTS MAY NOT ALLOW LONG-TERM PREDICTIONS ABOUT INTRAGUILD PREDATION 2005 , 15, 1111-1117		101
82	Quantifying the disease transmission function: effects of density on <i>Batrachochytrium dendrobatidis</i> transmission in the mountain yellow-legged frog <i>Rana muscosa</i> . <i>Journal of Animal Ecology</i> , 2007 , 76, 711-21	4.7	97
81	Antimicrobial peptide defenses of the mountain yellow-legged frog (<i>Rana muscosa</i>). <i>Developmental and Comparative Immunology</i> , 2006 , 30, 831-42	3.2	93
80	Large-scale recovery of an endangered amphibian despite ongoing exposure to multiple stressors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11889-11894	11.5	92
79	Competitive Displacement and Biological Control in Parasitoids: A Model. <i>American Naturalist</i> , 1996 , 148, 807-826	3.7	75
78	Treatment of amphibians infected with chytrid fungus: learning from failed trials with itraconazole, antimicrobial peptides, bacteria, and heat therapy. <i>Diseases of Aquatic Organisms</i> , 2012 , 98, 11-25	1.7	72
77	Host suppression and stability in a parasitoid-host system: experimental demonstration. <i>Science</i> , 2005 , 309, 610-3	33.3	69
76	Trophic supplements to intraguild predation. <i>Oikos</i> , 2007 , 116, 662-677	4	68
75	Temperature alters reproductive life history patterns in <i>Batrachochytrium dendrobatidis</i> , a lethal pathogen associated with the global loss of amphibians. <i>Ecology and Evolution</i> , 2012 , 2, 2241-9	2.8	66
74	Effect of temperature on host response to <i>Batrachochytrium dendrobatidis</i> infection in the mountain yellow-legged frog (<i>Rana muscosa</i>). <i>Journal of Wildlife Diseases</i> , 2008 , 44, 716-20	1.3	66

73	Testing intraguild predation theory in a field system: does numerical dominance shift along a gradient of productivity?. <i>Ecology Letters</i> , 2003 , 6, 929-935	10	66
72	Consumer-Resource Dynamics (MPB-36) 2013 ,		64
71	ECOLOGICAL THEORY. A general consumer-resource population model. <i>Science</i> , 2015 , 349, 854-7	33.3	61
70	Recruitment Drives Spatial Variation in Recovery Rates of Resilient Coral Reefs. <i>Scientific Reports</i> , 2018 , 8, 7338	4.9	61
69	Is chytridiomycosis an emerging infectious disease in Asia?. <i>PLoS ONE</i> , 2011 , 6, e23179	3.7	60
68	Dynamical Effects of Host Size- and Parasitoid State-Dependent Attacks by Parasitoids. <i>Journal of Animal Ecology</i> , 1997 , 66, 542	4.7	53
67	Pathophysiology in mountain yellow-legged frogs (<i>Rana muscosa</i>) during a chytridiomycosis outbreak. <i>PLoS ONE</i> , 2012 , 7, e35374	3.7	48
66	Dynamical Effects of Host-Feeding in Parasitoids. <i>Journal of Animal Ecology</i> , 1995 , 64, 403	4.7	48
65	Testing a key assumption of host-pathogen theory: density and disease transmission. <i>Oikos</i> , 2008 , 117, 1667-1673	4	44
64	POPULATION CYCLES IN THE PINE LOOPER MOTH: DYNAMICAL TESTS OF MECHANISTIC HYPOTHESES. <i>Ecological Monographs</i> , 2005 , 75, 259-276	9	44
63	Using decision analysis to support proactive management of emerging infectious wildlife diseases. <i>Frontiers in Ecology and the Environment</i> , 2017 , 15, 214-221	5.5	43
62	Nowhere to hide: impact of a temperature-sensitive amphibian pathogen along an elevation gradient in the temperate zone. <i>Ecosphere</i> , 2011 , 2, art93	3.1	40
61	Extreme drought, host density, sex, and bullfrogs influence fungal pathogen infection in a declining lotic amphibian. <i>Ecosphere</i> , 2017 , 8, e01740	3.1	39
60	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	11.5	39
59	Resistance, tolerance and environmental transmission dynamics determine host extinction risk in a load-dependent amphibian disease. <i>Ecology Letters</i> , 2017 , 20, 1169-1181	10	39
58	Predators, parasitoids, and pathogens: a cross-cutting examination of intraguild predation theory. <i>Ecology</i> , 2007 , 88, 2681-8	4.6	37
57	Epidemic and endemic pathogen dynamics correspond to distinct host population microbiomes at a landscape scale. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	36
56	Host and Aquatic Environment Shape the Amphibian Skin Microbiome but Effects on Downstream Resistance to the Pathogen Are Variable. <i>Frontiers in Microbiology</i> , 2018 , 9, 487	5.7	35

55	Moving Beyond Too Little, Too Late: Managing Emerging Infectious Diseases in Wild Populations Requires International Policy and Partnerships. <i>EcoHealth</i> , 2015 , 12, 404-7	3.1	34
54	Modeling Virus Coinfection to Inform Management of Maize Lethal Necrosis in Kenya. <i>Phytopathology</i> , 2017 , 107, 1095-1108	3.8	28
53	Rapid extirpation of a North American frog coincides with an increase in fungal pathogen prevalence: Historical analysis and implications for reintroduction. <i>Ecology and Evolution</i> , 2017 , 7, 10216-10232	2.8	27
52	Experimental evolution alters the rate and temporal pattern of population growth in <i>Batrachochytrium dendrobatidis</i> , a lethal fungal pathogen of amphibians. <i>Ecology and Evolution</i> , 2014 , 4, 3633-41	2.8	24
51	Integral Projection Models for host-parasite systems with an application to amphibian chytrid fungus. <i>Methods in Ecology and Evolution</i> , 2016 , 7, 1182-1194	7.7	23
50	The effect of dispersal on the population dynamics of a gall-forming midge and its parasitoids. <i>Journal of Animal Ecology</i> , 2000 , 69, 96-105	4.7	23
49	Autoparasitism, interference, and parasitoid-pest population dynamics. <i>Theoretical Population Biology</i> , 2001 , 60, 33-57	1.2	23
48	The window of vulnerability and its effect on relative parasitoid abundance. <i>Ecological Entomology</i> , 1996 , 21, 128-140	2.1	23
47	Of poisons and parasites-the defensive role of tetrodotoxin against infections in newts. <i>Journal of Animal Ecology</i> , 2018 , 87, 1192-1204	4.7	22
46	Bottom-up and top-down control of pear psylla (<i>Cacopsylla pyricola</i>): Fertilization, plant quality, and the efficacy of the predator <i>Anthocoris nemoralis</i> . <i>Biological Control</i> , 2007 , 43, 257-264	3.8	21
45	Using multi-response models to investigate pathogen coinfections across scales: insights from emerging diseases of amphibians. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1109-1120	7.7	21
44	Lyme disease risk in southern California: abiotic and environmental drivers of <i>Ixodes pacificus</i> (Acari: Ixodidae) density and infection prevalence with <i>Borrelia burgdorferi</i> . <i>Parasites and Vectors</i> , 2017 , 10, 7	4	20
43	Truncated seasonal activity patterns of the western blacklegged tick (<i>Ixodes pacificus</i>) in central and southern California. <i>Ticks and Tick-borne Diseases</i> , 2016 , 7, 234-242	3.6	20
42	Inferring Colonization Processes from Population Dynamics in Spatially Structured Predator-Prey Systems. <i>Ecology</i> , 2000 , 81, 3350	4.6	15
41	Dispersal and foraging behaviour of <i>Platygaster californica</i> : hosts can run, but they can hide. <i>Ecological Entomology</i> , 2006 , 31, 298-306	2.1	14
40	Probiotics Modulate a Novel Amphibian Skin Defense Peptide That Is Antifungal and Facilitates Growth of Antifungal Bacteria. <i>Microbial Ecology</i> , 2020 , 79, 192-202	4.4	14
39	Macroalgae size refuge from herbivory promotes alternative stable states on coral reefs. <i>PLoS ONE</i> , 2018 , 13, e0202273	3.7	14
38	Detecting and quantifying parasite-induced host mortality from intensity data: method comparisons and limitations. <i>International Journal for Parasitology</i> , 2016 , 46, 59-66	4.3	13

37	Interactions between the egg and larval parasitoids of a gall-forming midge and their impact on the host. <i>Ecological Entomology</i> , 2001 , 26, 109-116	2.1	13
36	Delayed feedback and multiple attractors in a host-parasitoid system. <i>Journal of Mathematical Biology</i> , 1999 , 38, 317-345	2	13
35	Risk of vector tick exposure initially increases, then declines through time in response to wildfire in California. <i>Ecosphere</i> , 2018 , 9, e02227	3.1	13
34	DNA Extraction Method Affects the Detection of a Fungal Pathogen in Formalin-Fixed Specimens Using qPCR. <i>PLoS ONE</i> , 2015 , 10, e0135389	3.7	12
33	Factors Affecting Distribution of the Gall Forming Midge <i>Rhopalomyia californica</i> (Diptera: Cecidomyiidae). <i>Environmental Entomology</i> , 1995 , 24, 679-686	2.1	12
32	Biological control of insects: implications for theory in population ecology 1998 , 167-186		12
31	Using stochastic epidemiological models to evaluate conservation strategies for endangered amphibians. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	11
30	Two-Patch Metapopulation Dynamics. <i>Lecture Notes in Biomathematics</i> , 1993 , 125-135		11
29	Mechanisms underlying host persistence following amphibian disease emergence determine appropriate management strategies. <i>Ecology Letters</i> , 2021 , 24, 130-148	10	11
28	The influence of landscape and environmental factors on ranavirus epidemiology in a California amphibian assemblage. <i>Freshwater Biology</i> , 2018 , 63, 639-651	3.1	10
27	Disease hotspots or hot species? Infection dynamics in multi-host metacommunities controlled by species identity, not source location. <i>Ecology Letters</i> , 2020 , 23, 1201-1211	10	9
26	Mountain Yellow-legged Frogs (<i>Rana muscosa</i>) did not Produce Detectable Antibodies in Immunization Experiments with <i>Batrachochytrium dendrobatidis</i> . <i>Journal of Wildlife Diseases</i> , 2016 , 52, 154-8	1.3	8
25	Occurrence of <i>Batrachochytrium dendrobatidis</i> in anurans of the Mediterranean region of Baja California, Mexico. <i>Diseases of Aquatic Organisms</i> , 2018 , 127, 193-200	1.7	8
24	Parameter inference for an individual based model of chytridiomycosis in frogs. <i>Journal of Theoretical Biology</i> , 2011 , 277, 90-8	2.3	7
23	Recent developments in theory for biological control of insect pests by parasitoids 1999 , 22-42		7
22	Pathogen invasion history elucidates contemporary host pathogen dynamics. <i>PLoS ONE</i> , 2019 , 14, e0219981	3.7	6
21	Conservation decisions under pressure: Lessons from an exercise in rapid response to wildlife disease. <i>Conservation Science and Practice</i> , 2020 , 2, e141	2.2	6
20	Multiple Sources of Isotopic Variation in a Terrestrial Arthropod Community: Challenges for Disentangling Food Webs. <i>Environmental Entomology</i> , 2007 , 36, 776-791	2.1	5

19	Disease's hidden death toll: Using parasite aggregation patterns to quantify landscape-level host mortality in a wildlife system. <i>Journal of Animal Ecology</i> , 2020 , 89, 2876-2887	4.7	5
18	Shared behavioral responses and predation risk of anuran larvae and adults exposed to a novel predator. <i>Biological Invasions</i> , 2018 , 20, 475-485	2.7	4
17	Fungal infection alters the selection, dispersal and drift processes structuring the amphibian skin microbiome. <i>Ecology Letters</i> , 2020 , 23, 88-98	10	4
16	Spatial dynamics of measles epidemics. <i>Trends in Ecology and Evolution</i> , 2002 , 17, 399-401	10.9	3
15	INFERRING COLONIZATION PROCESSES FROM POPULATION DYNAMICS IN SPATIALLY STRUCTURED PREDATOR-PREY SYSTEMS. <i>Ecology</i> , 2000 , 81, 3350-3361	4.6	3
14	Investigating the potential use of an ionic liquid (1-Butyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide) as an anti-fungal treatment against the amphibian chytrid fungus, <i>Batrachochytrium dendrobatidis</i> . <i>PLoS ONE</i> , 2020 , 15, e0231811	3.7	3
13	Putative resistance and tolerance mechanisms have little impact on disease progression for an emerging salamander pathogen. <i>Functional Ecology</i> , 2021 , 35, 847-859	5.6	3
12	Declines and extinctions of mountain yellow-legged frogs have small effects on benthic macroinvertebrate communities. <i>Ecosphere</i> , 2016 , 7, e01327	3.1	2
11	Invasive African clawed frogs in California: A reservoir for or predator against the chytrid fungus?. <i>PLoS ONE</i> , 2018 , 13, e0191537	3.7	2
10	EMERGING INFECTIOUS DISEASE AS A PROXIMATE CAUSE OF AMPHIBIAN MASS MORTALITY 2006 , 87, 1671		2
9	Divergent regional evolutionary histories of a devastating global amphibian pathogen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210782	4.4	2
8	Stepping into the past to conserve the future: Archived skin swabs from extant and extirpated populations inform genetic management of an endangered amphibian. <i>Molecular Ecology</i> , 2020 , 29, 2598-2611 ¹	5.7	1
7	The dynamics of insect-pathogen interactions 1999 , 307-326		1
6	High fungal pathogen loads and prevalence in Baja California amphibian communities: The importance of species, elevation, and historical context. <i>Global Ecology and Conservation</i> , 2022 , 33, e019688 ^{2,8}	2.8	1
5	When chytrid fungus invades: integrating theory and data to understand disease-induced amphibian declines 2019 , 511-543		1
4	Integrating Infection Intensity into Within- and Between-Host Pathogen Dynamics: Implications for Invasion and Virulence Evolution. <i>American Naturalist</i> , 2021 , 198, 661-677	3.7	1
3	A time-since-infection model for populations with two pathogens.. <i>Theoretical Population Biology</i> , 2022 , 144, 1-1	1.2	0
2	Effectiveness of antifungal treatments during chytridiomycosis epizootics in populations of an endangered frog.. <i>PeerJ</i> , 2022 , 10, e12712	3.1	0

- 1 Once a reservoir, always a reservoir? Seasonality affects the pathogen maintenance potential of amphibian hosts.. *Ecology*, **2022**, e3759

4.6