

Barbara A Han

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,733
citations

186254

28
h-index

149686

56
g-index

66
all docs

66
docs citations

66
times ranked

4903
citing authors

#	ARTICLE	IF	CITATIONS
1	Animal Migration and Infectious Disease Risk. <i>Science</i> , 2011, 331, 296-302.	12.6	696
2	Rodent reservoirs of future zoonotic diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7039-7044.	7.1	414
3	Global Patterns of Zoonotic Disease in Mammals. <i>Trends in Parasitology</i> , 2016, 32, 565-577.	3.3	319
4	The complexity of amphibian population declines: understanding the role of cofactors in driving amphibian losses. <i>Annals of the New York Academy of Sciences</i> , 2011, 1223, 108-119.	3.8	227
5	Interspecific Variation in Susceptibility of Frog Tadpoles to the Pathogenic Fungus <i>Batrachochytrium dendrobatidis</i> . <i>Conservation Biology</i> , 2005, 19, 1460-1468.	4.7	203
6	Ranking the risk of animal-to-human spillover for newly discovered viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	140
7	The macroecology of infectious diseases: a new perspective on global-scale drivers of pathogen distributions and impacts. <i>Ecology Letters</i> , 2016, 19, 1159-1171.	6.4	126
8	Global Mammal Parasite Database version 2.0. <i>Ecology</i> , 2017, 98, 1476-1476.	3.2	98
9	Undiscovered Bat Hosts of Filoviruses. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004815.	3.0	83
10	Prioritizing surveillance of Nipah virus in India. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007393.	3.0	74
11	The Next Decade of Big Data in Ecosystem Science. <i>Ecosystems</i> , 2017, 20, 274-283.	3.4	68
12	Data-driven identification of potential Zika virus vectors. <i>ELife</i> , 2017, 6, .	6.0	64
13	Updates to the zoonotic niche map of Ebola virus disease in Africa. <i>ELife</i> , 2016, 5, .	6.0	61
14	Scaling of Host Competence. <i>Trends in Parasitology</i> , 2019, 35, 182-192.	3.3	60
15	Infectious disease transmission and behavioural allometry in wild mammals. <i>Journal of Animal Ecology</i> , 2015, 84, 637-646.	2.8	54
16	Predicting the zoonotic capacity of mammals to transmit SARS-CoV-2. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211651.	2.6	53
17	Spatiotemporal Fluctuations and Triggers of Ebola Virus Spillover. <i>Emerging Infectious Diseases</i> , 2017, 23, 415-422.	4.3	50
18	ADDING INFECTION TO INJURY: SYNERGISTIC EFFECTS OF PREDATION AND PARASITISM ON AMPHIBIAN MALFORMATIONS. <i>Ecology</i> , 2006, 87, 2227-2235.	3.2	47

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19	Species-level correlates of susceptibility to the pathogenic amphibian fungus <i>Batrachochytrium dendrobatidis</i> in the United States. <i>Biodiversity and Conservation</i> , 2011, 20, 1911-1920.	2.6	47
20	The future of zoonotic risk prediction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200358.	4.0	47
21	Host traits associated with species roles in parasite sharing networks. <i>Oikos</i> , 2019, 128, 23-32.	2.7	46
22	Optimising predictive models to prioritise viral discovery in zoonotic reservoirs. <i>Lancet Microbe</i> , The, 2022, 3, e625-e637.	7.3	45
23	Effects of Emerging Infectious Diseases on Amphibians: A Review of Experimental Studies. <i>Diversity</i> , 2018, 10, 81.	1.7	39
24	Ancient behaviors of larval amphibians in response to an emerging fungal pathogen, <i>Batrachochytrium dendrobatidis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 63, 241-250.	1.4	36
25	Individual and combined effects of multiple pathogens on Pacific treefrogs. <i>Oecologia</i> , 2011, 166, 1029-1041.	2.0	36
26	Transmissibility of emerging viral zoonoses. <i>PLoS ONE</i> , 2018, 13, e0206926.	2.5	35
27	Gauging support for macroecological patterns in helminth parasites. <i>Global Ecology and Biogeography</i> , 2018, 27, 1437-1447.	5.8	33
28	Future directions in analytics for infectious disease intelligence. <i>EMBO Reports</i> , 2016, 17, 785-789.	4.5	30
29	Confronting data sparsity to identify potential sources of Zika virus spillover infection among primates. <i>Epidemics</i> , 2019, 27, 59-65.	3.0	30
30	Behavioral Avoidance of Ultraviolet-B Radiation by Two Species of Neotropical Poison-Dart Frogs. <i>Biotropica</i> , 2007, 39, 433-435.	1.6	29
31	Experimental examination of the effects of ultraviolet-B radiation in combination with other stressors on frog larvae. <i>Oecologia</i> , 2010, 162, 237-245.	2.0	29
32	Integrating data mining and transmission theory in the ecology of infectious diseases. <i>Ecology Letters</i> , 2020, 23, 1178-1188.	6.4	29
33	Host species composition influences infection severity among amphibians in the absence of spillover transmission. <i>Ecology and Evolution</i> , 2015, 5, 1432-1439.	1.9	24
34	Parasite and pathogen effects on ecosystem processes: A quantitative review. <i>Ecosphere</i> , 2020, 11, e03057.	2.2	22
35	Re-emergence of yellow fever in the neotropics "quo vadis?". <i>Emerging Topics in Life Sciences</i> , 2020, 4, 411-422.	2.6	22
36	Widespread occurrence of an emerging pathogen in amphibian communities of the Venezuelan Andes. <i>Biological Conservation</i> , 2008, 141, 2898-2905.	4.1	21

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37	The macroecology and evolution of avian competence for <i>Borrelia burgdorferi</i> . <i>Global Ecology and Biogeography</i> , 2021, 30, 710-724.	5.8	21
38	VARIABLE BREEDING PHENOLOGY AFFECTS THE EXPOSURE OF AMPHIBIAN EMBRYOS TO ULTRAVIOLET RADIATION and OPTICAL CHARACTERISTICS OF NATURAL WATERS PROTECT AMPHIBIANS FROM UV-B IN THE U.S. PACIFIC NORTHWEST: COMMENT. <i>Ecology</i> , 2004, 85, 1747-1754.	3.2	20
39	Data-driven predictions and novel hypotheses about zoonotic tick vectors from the genus <i>Ixodes</i> . <i>BMC Ecology</i> , 2018, 18, 7.	3.0	20
40	Parasite sharing in wild ungulates and their predators: Effects of phylogeny, range overlap, and trophic links. <i>Journal of Animal Ecology</i> , 2019, 88, 1017-1028.	2.8	18
41	Effects of an Infectious Fungus, <i>Batrachochytrium dendrobatidis</i> , on Amphibian Predator-Prey Interactions. <i>PLoS ONE</i> , 2011, 6, e16675.	2.5	17
42	<i>Batrachochytrium dendrobatidis</i> Infection in the Recently Rediscovered <i>Atelopus mucubajensis</i> (Anura, Bufonidae), a Critically Endangered Frog from the Venezuelan Andes. <i>EcoHealth</i> , 2007, 3, 299-302.	2.0	16
43	Ecological indicators of mammal exposure to Ebolavirus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180337.	4.0	16
44	The intrinsic vulnerability of networks to epidemics. <i>Ecological Modelling</i> , 2018, 383, 91-97.	2.5	15
45	Spatiotemporal Fluctuations and Triggers of Ebola Virus Spillover. <i>Emerging Infectious Diseases</i> , 2017, 23, 415-422.	4.3	15
46	Topic modeling of major research themes in disease ecology of mammals. <i>Journal of Mammalogy</i> , 2019, 100, 1008-1018.	1.3	14
47	A systematic review and meta-analysis of the potential non-human animal reservoirs and arthropod vectors of the Mayaro virus. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010016.	3.0	14
48	Policy and Science for Global Health Security: Shaping the Course of International Health. <i>Tropical Medicine and Infectious Disease</i> , 2019, 4, 60.	2.3	12
49	The ecology of zoonotic parasites in the Carnivora. <i>Trends in Parasitology</i> , 2021, 37, 1096-1110.	3.3	12
50	Predictors of zoonotic potential in helminths. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200356.	4.0	12
51	Ultraviolet Radiation Influences Perch Selection by a Neotropical Poison-Dart Frog. <i>PLoS ONE</i> , 2012, 7, e51364.	2.5	10
52	High mortality in aquatic predators of mosquito larvae caused by exposure to insect repellent. <i>Biology Letters</i> , 2018, 14, 20180526.	2.3	7
53	Dilution of Epidemic Potential of Environmentally Transmitted Infectious Diseases for Species with Partially Overlapping Habitats. <i>American Naturalist</i> , 2022, 199, E43-E56.	2.1	5
54	Building a better disease detective. <i>IEEE Spectrum</i> , 2015, 52, 46-51.	0.7	4

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55	Rise of Machines in Disease Ecology. Bulletin of the Ecological Society of America, 2020, 101, e01625.	0.2	3
56	Diseases, Conservation and. , 2013, , 523-538.		1
57	The Emergence of Disease Ecology. Japanese Journal of Zoo and Wildlife Medicine, 2016, 21, 53-58.	0.2	0