Kate E Langwig

List of Publications by Year in Descending Order

32 papers	2,109 citations	23 h-index	34 g-index
34 ext. papers	2,600 ext. citations	8.8 avg, IF	4.66 L-index

#	Paper	IF	Citations
32	Ecology and impacts of white-nose syndrome on bats. *Nature Reviews Microbiology*, **2021**, 19, 196-210	22.2	24
31	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen. *Journal of Animal Ecology*, **2021**, 90, 1134-1141	4.7	2
30	Continued preference for suboptimal habitat reduces bat survival with white-nose syndrome. *Nature Communications*, **2021**, 12, 166	17.4	11
29	Host traits and environment interact to determine persistence of bat populations impacted by white-nose syndrome.. *Ecology Letters*, **2021**,	10	4
28	Environmental reservoir dynamics predict global infection patterns and population impacts for the fungal disease white-nose syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 7255-7262	11.5	26
27	Impact of censusing and research on wildlife populations. *Conservation Science and Practice*, **2020**, 2, e264	2.2	2
26	On the Fly: Interactions Between Birds, Mosquitoes, and Environment That Have Molded West Nile Virus Genomic Structure Over Two Decades. *Journal of Medical Entomology*, **2019**, 56, 1467-1474	2.2	8
25	Limited available evidence supports theoretical predictions of reduced vaccine efficacy at higher exposure dose. *Scientific Reports*, **2019**, 9, 3203	4.9	10
24	Field trial of a probiotic bacteria to protect bats from white-nose syndrome. *Scientific Reports*, **2019**, 9, 9158	4.9	26
23	Cryptic connections illuminate pathogen transmission within community networks. *Nature*, **2018**, 563, 710-713	50.4	33
22	Resistance in persisting bat populations after white-nose syndrome invasion. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	64
21	Pathogen dynamics during invasion and establishment of white-nose syndrome explain mechanisms of host persistence. *Ecology*, **2017**, 98, 624-631	4.6	71
20	Vaccine Effects on Heterogeneity in Susceptibility and Implications for Population Health Management. *MBio*, **2017**, 8,	7.8	24
19	Efficacy of a probiotic bacterium to treat bats affected by the disease white-nose syndrome. *Journal of Applied Ecology*, **2017**, 54, 701-708	5.8	40
18	Drivers of variation in species impacts for a multi-host fungal disease of bats. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	63
17	Integral Projection Models for host-parasite systems with an application to amphibian chytrid fungus. *Methods in Ecology and Evolution*, **2016**, 7, 1182-1194	7.7	23
16	Host persistence or extinction from emerging infectious disease: insights from white-nose syndrome in endemic and invading regions. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283, 20152861	4.4	33

15	Widespread Bat White-Nose Syndrome Fungus, Northeastern China. *Emerging Infectious Diseases*, **2016**, 22, 140-2	10.2	40
14	Deconstructing the Bat Skin Microbiome: Influences of the Host and the Environment. *Frontiers in Microbiology*, **2016**, 7, 1753	5.7	50
13	Long-Term Persistence of Pseudogymnoascus destructans, the Causative Agent of White-Nose Syndrome, in the Absence of Bats. *EcoHealth*, **2015**, 12, 330-3	3.1	40
12	Context-dependent conservation responses to emerging wildlife diseases. *Frontiers in Ecology and the Environment*, **2015**, 13, 195-202	5.5	112
11	Invasion dynamics of white-nose syndrome fungus, midwestern United States, 2012-2014. *Emerging Infectious Diseases*, **2015**, 21, 1023-6	10.2	63
10	Host and pathogen ecology drive the seasonal dynamics of a fungal disease, white-nose syndrome. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20142335	4.4	139
9	Bacteria isolated from bats inhibit the growth of Pseudogymnoascus destructans, the causative agent of white-nose syndrome. *PLoS ONE*, **2015**, 10, e0121329	3.7	91
8	Moving Beyond Too Little, Too Late: Managing Emerging Infectious Diseases in Wild Populations Requires International Policy and Partnerships. *EcoHealth*, **2015**, 12, 404-7	3.1	34
7	Disease alters macroecological patterns of North American bats. *Global Ecology and Biogeography*, **2015**, 24, 741-749	6.1	148
6	Sociality, density-dependence and microclimates determine the persistence of populations suffering from a novel fungal disease, white-nose syndrome. *Ecology Letters*, **2012**, 15, 1050-7	10	236
5	Risk factors associated with mortality from white-nose syndrome among hibernating bat colonies. *Biology Letters*, **2011**, 7, 950-3	3.6	50
4	Little Brown Myotis Persist Despite Exposure to White-Nose Syndrome. *Journal of Fish and Wildlife Management*, **2011**, 2, 190-195	0.7	46
3	An emerging disease causes regional population collapse of a common North American bat species. *Science*, **2010**, 329, 679-82	33.3	591
2	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen		1
1	White-nose syndrome restructures bat skin microbiomes		4