Mark Q Wilber

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Contextâ€dependent conservation responses to emerging wildlife diseases. Frontiers in Ecology and the Environment, 2015, 13, 195-202.	4.0	147
2	Extreme drought, host density, sex, and bullfrogs influence fungal pathogen infection in a declining lotic amphibian. Ecosphere, 2017, 8, e01740.	2.2	53
3	Resistance, tolerance and environmental transmission dynamics determine host extinction risk in a loadâ€dependent amphibian disease. Ecology Letters, 2017, 20, 1169-1181.	6.4	47
4	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
5	Why disease ecology needs lifeâ€history theory: a host perspective. Ecology Letters, 2021, 24, 876-890.	6.4	37
6	Integral Projection Models for host–parasite systems with an application to amphibian chytrid fungus. Methods in Ecology and Evolution, 2016, 7, 1182-1194.	5.2	28
7	Empirical tests of within- and across-species energetics in a diverse plant community. Ecology, 2014, 95, 2815-2825.	3.2	25
8	Scale collapse and the emergence of the power law species–area relationship. Global Ecology and Biogeography, 2015, 24, 883-895.	5.8	25
9	Modelling multiâ€species and multiâ€mode contact networks: Implications for persistence of bovine tuberculosis at the wildlife–livestock interface. Journal of Applied Ecology, 2019, 56, 1471-1481.	4.0	24
10	Disturbance macroecology: a comparative study of community structure metrics in a highâ€severity disturbance regime. Ecosphere, 2020, 11, e03022.	2.2	21
11	Effects of social structure and management on risk of disease establishment in wild pigs. Journal of Animal Ecology, 2021, 90, 820-833.	2.8	21
12	Disease hotspots or hot species? Infection dynamics in multiâ€host metacommunities controlled by species identity, not source location. Ecology Letters, 2020, 23, 1201-1211.	6.4	18
13	Defining an epidemiological landscape that connects movement ecology to pathogen transmission and paceâ€ofâ€life. Ecology Letters, 2022, 25, 1760-1782.	6.4	18
14	Detecting and quantifying parasite-induced host mortality from intensity data: method comparisons and limitations. International Journal for Parasitology, 2016, 46, 59-66.	3.1	17
15	When can we infer mechanism from parasite aggregation? A constraintâ€based approach to disease ecology. Ecology, 2017, 98, 688-702.	3.2	17
16	A model for leveraging animal movement to understand spatioâ€ŧemporal disease dynamics. Ecology Letters, 2022, 25, 1290-1304.	6.4	16
17	Biological and statistical processes jointly drive population aggregation: using host–parasite interactions to understand Taylor's power law. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171388.	2.6	14
18	Predicting functional responses in agroâ€ecosystems from animal movement data to improve management of invasive pests. Ecological Applications, 2020, 30, e02015.	3.8	14

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19	Disease's hidden death toll: Using parasite aggregation patterns to quantify landscapeâ€level host mortality in a wildlife system. Journal of Animal Ecology, 2020, 89, 2876-2887.	2.8	12
20	Frequencyâ€dependent transmission of <i>Batrachochytrium salamandrivorans</i> in eastern newts. Transboundary and Emerging Diseases, 2022, 69, 731-741.	3.0	12
21	Fungal infection alters the selection, dispersal and drift processes structuring the amphibian skin microbiome. Ecology Letters, 2020, 23, 88-98.	6.4	10
22	Improving wellbeing and reducing future world population. PLoS ONE, 2018, 13, e0202851.	2.5	9
23	macroeco: reproducible ecological pattern analysis in Python. Ecography, 2016, 39, 361-367.	4.5	8
24	Individual-Level Antibody Dynamics Reveal Potential Drivers of Influenza A Seasonality in Wild Pig Populations. Integrative and Comparative Biology, 2019, 59, 1231-1242.	2.0	8
25	Putative resistance and tolerance mechanisms have little impact on disease progression for an emerging salamander pathogen. Functional Ecology, 2021, 35, 847-859.	3.6	8
26	A framework for surveillance of emerging pathogens at the human-animal interface: Pigs and coronaviruses as a case study. Preventive Veterinary Medicine, 2021, 188, 105281.	1.9	8
27	Once a reservoir, always a reservoir? Seasonality affects the pathogen maintenance potential of amphibian hosts. Ecology, 2022, , e3759.	3.2	7
28	Inferring seasonal infection risk at population and regional scales from serology samples. Ecology, 2020, 101, e02882.	3.2	6
29	When chytrid fungus invades: integrating theory and data to understand disease-induced amphibian declines. , 2019, , 511-543.		3
30	Integrating infection intensity into within- and between-host pathogen dynamics: implications for invasion and virulence evolution. American Naturalist, 2021, 198, 661-677.	2.1	3
31	High prevalence does not necessarily equal maintenance species: Avoiding biased claims of disease reservoirs when using surveillance data. Journal of Animal Ecology, 2022, 91, 1740-1754.	2.8	2
32	Predicting Functional Responses in Agroecosystems from Animal Movement Data to Improve Management of Invasive Pests. Bulletin of the Ecological Society of America, 2020, 101, e01643.	0.2	0