A Marm Kilpatrick

List of Publications by Citations

111 papers	9,372 citations	49 h-index	96 g-index
114 ext. papers	11,035 ext. citations	7.7 avg, IF	6.34 L-index

#	Paper	IF	Citations
111	Unhealthy landscapes: Policy recommendations on land use change and infectious disease emergence. *Environmental Health Perspectives*, **2004**, 112, 1092-8	8.4	593
110	Predicting the global spread of H5N1 avian influenza. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 19368-73	11.5	391
109	Drivers, dynamics, and control of emerging vector-borne zoonotic diseases. *Lancet, The*, **2012**, 380, 1946-55	45	386
108	West Nile virus epidemics in North America are driven by shifts in mosquito feeding behavior. *PLoS Biology*, **2006**, 4, e82	9.7	383
107	Bushmeat hunting, deforestation, and prediction of zoonoses emergence. *Emerging Infectious Diseases*, **2005**, 11, 1822-7	10.2	368
106	Host heterogeneity dominates West Nile virus transmission. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2327-33	4.4	358
105	West Nile virus emergence and large-scale declines of North American bird populations. *Nature*, **2007**, 447, 710-3	50.4	347
104	"Bird biting" mosquitoes and human disease: a review of the role of Culex pipiens complex mosquitoes in epidemiology. *Infection, Genetics and Evolution*, **2011**, 11, 1577-85	4.5	340
103	The ecology and impact of chytridiomycosis: an emerging disease of amphibians. *Trends in Ecology and Evolution*, **2010**, 25, 109-18	10.9	301
102	Globalization, land use, and the invasion of West Nile virus. *Science*, **2011**, 334, 323-7	33.3	293
101	Temperature, viral genetics, and the transmission of West Nile virus by Culex pipiens mosquitoes. *PLoS Pathogens*, **2008**, 4, e1000092	7.6	284
100	West Nile virus risk assessment and the bridge vector paradigm. *Emerging Infectious Diseases*, **2005**, 11, 425-9	10.2	268
99	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
98	Frontiers in climate change-disease research. *Trends in Ecology and Evolution*, **2011**, 26, 270-7	10.9	215
97	Deer, predators, and the emergence of Lyme disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 10942-7	11.5	192
96	Densovirus associated with sea-star wasting disease and mass mortality. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17278-83	11.5	187
95	From superspreaders to disease hotspots: linking transmission across hosts and space. *Frontiers in Ecology and the Environment*, **2012**, 10, 75-82	5.5	186

94	Magnitude of the US trade in amphibians and presence of Batrachochytrium dendrobatidis and ranavirus infection in imported North American bullfrogs (Rana catesbeiana). *Biological Conservation*, **2009**, 142, 1420-1426	6.2	154
93	Disease alters macroecological patterns of North American bats. *Global Ecology and Biogeography*, **2015**, 24, 741-749	6.1	148
92	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
91	Ecology of West Nile Virus Transmission and its Impact on Birds in the Western Hemisphere. *Auk*, **2007**, 124, 1121-1136	2.1	130
90	The effect of temperature on life history traits of Culex mosquitoes. *Journal of Medical Entomology*, **2014**, 51, 55-62	2.2	126
89	West Nile Virus and Wildlife. *BioScience*, **2004**, 54, 393	5.7	126
88	Lyme disease ecology in a changing world: consensus, uncertainty and critical gaps for improving control. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	115
87	Context-dependent conservation responses to emerging wildlife diseases. *Frontiers in Ecology and the Environment*, **2015**, 13, 195-202	5.5	112
86	Presence of an emerging pathogen of amphibians in introduced bullfrogs Rana catesbeiana in Venezuela. *Biological Conservation*, **2004**, 120, 115-119	6.2	112
85	ECOLOGY OF WEST NILE VIRUS TRANSMISSION AND ITS IMPACT ON BIRDS IN THE WESTERN HEMISPHERE. *Auk*, **2007**, 124, 1121	2.1	109
84	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
83	Ecology of avian influenza viruses in a changing world. *Annals of the New York Academy of Sciences*, **2010**, 1195, 113-28	6.5	87
82	Indexing the Pseudomonas specialized metabolome enabled the discovery of poaeamide B and the bananamides. *Nature Microbiology*, **2016**, 2, 16197	26.6	83
81	Spatial and temporal variation in vector competence of Culex pipiens and Cx. restuans mosquitoes for West Nile virus. *American Journal of Tropical Medicine and Hygiene*, **2010**, 83, 607-13	3.2	76
80	Predicting pathogen introduction: West Nile virus spread to Galpagos. *Conservation Biology*, **2006**, 20, 1224-31	6	75
79	Drought and immunity determine the intensity of West Nile virus epidemics and climate change impacts. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	73
78	Genetic Influences on Mosquito Feeding Behavior and the Emergence of Zoonotic Pathogens. *American Journal of Tropical Medicine and Hygiene*, **2007**, 77, 667-671	3.2	72
77	Pathogen dynamics during invasion and establishment of white-nose syndrome explain mechanisms of host persistence. *Ecology*, **2017**, 98, 624-631	4.6	71

76	Conservation medicine and a new agenda for emerging diseases. *Annals of the New York Academy of Sciences*, **2004**, 1026, 1-11	6.5	69
75	Conservation of biodiversity as a strategy for improving human health and well-being. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	67
74	Wildlife□vestock conflict: the risk of pathogen transmission from bison to cattle outside Yellowstone National Park. *Journal of Applied Ecology*, **2009**, 46, 476-485	5.8	66
73	Facilitating the evolution of resistance to avian malaria in Hawaiian birds. *Biological Conservation*, **2006**, 128, 475-485	6.2	65
72	Resistance in persisting bat populations after white-nose syndrome invasion. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	64
71	Transmission of Nipah Virus - 14 Years of Investigations in Bangladesh. *New England Journal of Medicine*, **2019**, 380, 1804-1814	59.2	63
70	Invasion dynamics of white-nose syndrome fungus, midwestern United States, 2012-2014. *Emerging Infectious Diseases*, **2015**, 21, 1023-6	10.2	63
69	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
68	Merging economics and epidemiology to improve the prediction and management of infectious disease. *EcoHealth*, **2014**, 11, 464-75	3.1	62
67	Climate change and elevated extinction rates of reptiles from Mediterranean Islands. *American Naturalist*, **2011**, 177, 119-29	3.7	61
66	Predicting human West Nile virus infections with mosquito surveillance data. *American Journal of Epidemiology*, **2013**, 178, 829-35	3.8	57
65	Quantitative Risk Assessment of the Pathways by Which West Nile Virus Could Reach Hawaii. *EcoHealth*, **2004**, 1, 205-209	3.1	55
64	Predictive power of air travel and socio-economic data for early pandemic spread. *PLoS ONE*, **2010**, 5, e12763	3.7	51
63	Deconstructing the Bat Skin Microbiome: Influences of the Host and the Environment. *Frontiers in Microbiology*, **2016**, 7, 1753	5.7	50
62	The timing of COVID-19 transmission		48
61	Land use and west nile virus seroprevalence in wild mammals. *Emerging Infectious Diseases*, **2008**, 14, 962-5	10.2	47
60	Phylogenetics of a Fungal Invasion: Origins and Widespread Dispersal of White-Nose Syndrome. *MBio*, **2017**, 8,	7.8	45
59	Variation in growth of Brown-headed Cowbird (Molothrus ater) nestlings and energetic impacts on their host parents. *Canadian Journal of Zoology*, **2002**, 80, 145-153	1.5	45

58	Nipah virus dynamics in bats and implications for spillover to humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 29190-29201	11.5	44
57	Effects of Chronic Avian Malaria (Plasmodium Relictum) Infection on Reproductive Success of Hawaii Amakihi (Hemignathus Virens). *Auk*, **2006**, 123, 764-774	2.1	43
56	Convergence of Humans, Bats, Trees, and Culture in Nipah Virus Transmission, Bangladesh. *Emerging Infectious Diseases*, **2017**, 23, 1446-1453	10.2	42
55	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
54	Widespread Bat White-Nose Syndrome Fungus, Northeastern China. *Emerging Infectious Diseases*, **2016**, 22, 140-2	10.2	40
53	DNA vaccination of American robins (Turdus migratorius) against West Nile virus. *Vector-Borne and Zoonotic Diseases*, **2010**, 10, 377-80	2.4	37
52	West Nile Virus Revisited: Consequences for North American Ecology. *BioScience*, **2008**, 58, 937-946	5.7	36
51	Rainfall influences survival of Culex pipiens (Diptera: Culicidae) in a residential neighborhood in the mid-Atlantic United States. *Journal of Medical Entomology*, **2012**, 49, 467-73	2.2	35
50	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
49	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
48	Cryptic connections illuminate pathogen transmission within community networks. *Nature*, **2018**, 563, 710-713	50.4	33
47	Genetic influences on mosquito feeding behavior and the emergence of zoonotic pathogens. *American Journal of Tropical Medicine and Hygiene*, **2007**, 77, 667-71	3.2	33
46	Geographic variation in the response of Culex pipiens life history traits to temperature. *Parasites and Vectors*, **2016**, 9, 116	4	32
45	Avian roosting behavior influences vector-host interactions for West Nile virus hosts. *Parasites and Vectors*, **2014**, 7, 399	4	29
44	Mosquito landing rates on nesting American robins (Turdus migratorius). *Vector-Borne and Zoonotic Diseases*, **2007**, 7, 437-43	2.4	28
43	Anthropogenic impacts on mosquito populations in North America over the past century. *Nature Communications*, **2016**, 7, 13604	17.4	28
42	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
41	Field trial of a probiotic bacteria to protect bats from white-nose syndrome. *Scientific Reports*, **2019**, 9, 9158	4.9	26

40	Efficacy of Visual Surveys for White-Nose Syndrome at Bat Hibernacula. *PLoS ONE*, **2015**, 10, e0133390	3.7	26
39	Top-down and bottom-up influences on demographic rates of Antarctic fur seals Arctocephalus gazella. *Journal of Animal Ecology*, **2013**, 82, 903-11	4.7	26
38	Conservation, biodiversity and infectious disease: scientific evidence and policy implications. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	25
37	White-Nose Syndrome Disease Severity and a Comparison of Diagnostic Methods. *EcoHealth*, **2016**, 13, 60-71	3.1	24
36	Environmental monitoring to enhance comprehension and control of infectious diseases. *Journal of Environmental Monitoring*, **2010**, 12, 2048-55		24
35	Ecology and impacts of white-nose syndrome on bats. *Nature Reviews Microbiology*, **2021**, 19, 196-210	22.2	24
34	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
33	Direct detection of fungal siderophores on bats with white-nose syndrome via fluorescence microscopy-guided ambient ionization mass spectrometry. *PLoS ONE*, **2015**, 10, e0119668	3.7	23
32	A Bioenergetics Approach to Understanding the Population Consequences of Disturbance: Elephant Seals as a Model System. *Advances in Experimental Medicine and Biology*, **2016**, 875, 161-9	3.6	23
31	Predicted and observed mortality from vector-borne disease in small songbirds. *Biological Conservation*, **2013**, 165, 79-85	6.2	22
30	Introduction, Spread, and Establishment of West Nile Virus in the Americas. *Journal of Medical Entomology*, **2019**, 56, 1448-1455	2.2	21
29	Impact of West Nile Virus on Bird Populations: Limited Lasting Effects, Evidence for Recovery, and Gaps in Our Understanding of Impacts on Ecosystems. *Journal of Medical Entomology*, **2019**, 56, 1491-1497	2.2	18
28	West Nile virus ecology in a tropical ecosystem in Guatemala. *American Journal of Tropical Medicine and Hygiene*, **2013**, 88, 116-26	3.2	18
27	Quantifying trends in disease impact to produce a consistent and reproducible definition of an emerging infectious disease. *PLoS ONE*, **2013**, 8, e69951	3.7	16
26	Potential public health benefits from cat eradications on islands. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007040	4.8	14
25	Estimating Burdens of Neglected Tropical Zoonotic Diseases on Islands with Introduced Mammals. *American Journal of Tropical Medicine and Hygiene*, **2017**, 96, 749-757	3.2	13
24	Land Use and Larval Habitat Increase Aedes albopictus (Diptera: Culicidae) and Culex quinquefasciatus (Diptera: Culicidae) Abundance in Lowland Hawaii. *Journal of Medical Entomology*, **2018**, 55, 1509-1516	2.2	12
23	Increased Human Incidence of West Nile Virus Disease near Rice Fields in California but Not in Southern United States. *American Journal of Tropical Medicine and Hygiene*, **2018**, 99, 222-228	3.2	11

22	Seasonal and spatial variation in Toxoplasma gondii contamination in soil in urban public spaces in California, United States. *Zoonoses and Public Health*, **2020**, 67, 70-78	2.9	11
21	Mechanisms underlying host persistence following amphibian disease emergence determine appropriate management strategies. *Ecology Letters*, **2021**, 24, 130-148	10	11
20	Continued preference for suboptimal habitat reduces bat survival with white-nose syndrome. *Nature Communications*, **2021**, 12, 166	17.4	11
19	Using network theory to identify the causes of disease outbreaks of unknown origin. *Journal of the Royal Society Interface*, **2013**, 10, 20120904	4.1	10
18	Threshold levels of generalist predation determine consumer response to resource pulses. *Oikos*, **2015**, 124, 1436-1443	4	9
17	Experimental infection of eastern gray squirrels (Sciurus carolinensis) with West Nile virus. *American Journal of Tropical Medicine and Hygiene*, **2008**, 79, 447-51	3.2	9
16	Contact tracing efficiency, transmission heterogeneity, and accelerating COVID-19 epidemics. *PLoS Computational Biology*, **2021**, 17, e1009122	5	9
15	Integrating social and ecological data to model metapopulation dynamics in coupled human and natural systems. *Ecology*, **2019**, 100, e02711	4.6	7
14	Seroprevalence of West Nile virus in nonhuman primates as related to mosquito abundance at two national primate research centers. *Comparative Medicine*, **2007**, 57, 115-9	1.6	7
13	The role of native and introduced birds in transmission of avian malaria in Hawaii. *Ecology*, **2020**, 101, e03038	4.6	6
12	A proposed framework for the development and qualitative evaluation of West Nile virus models and their application to local public health decision-making. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009653	4.8	6
11	Human Health **2013**, 312-339		5
10	White-nose syndrome restructures bat skin microbiomes		4
9	Safe reopening of college campuses during COVID-19: The University of California experience in Fall 2020. *PLoS ONE*, **2021**, 16, e0258738	3.7	3
8	Contact tracing efficiency, transmission heterogeneity, and accelerating COVID-19 epidemics		3
7	Impact of censusing and research on wildlife populations. *Conservation Science and Practice*, **2020**, 2, e264	2.2	2
6	Seasonal resource pulses and the foraging depth of a Southern Ocean top predator. *Proceedings of the Royal Society B: Biological Sciences*, **2021**, 288, 20202817	4.4	2
5	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen. *Journal of Animal Ecology*, **2021**, 90, 1134-1141	4.7	2

4	Probabilistic Evaluation of Null Models for West Nile Virus in the United States		2
3	Changing Contact Patterns Over Disease Progression: Nipah Virus as a Case Study. *Journal of Infectious Diseases*, **2020**, 222, 438-442	7	1
2	Variation in resting strategies across trophic levels and habitats in mammals. *Ecology and Evolution*, **2021**, 11, 14405-14415	2.8	1
1	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen		1