

A Marm Kilpatrick

List of Publications by Year in Descending Order

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

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	Safe reopening of college campuses during COVID-19: The University of California experience in Fall 2020. <i>PLoS ONE</i> , 2021 , 16, e0258738	3.7	3
110	Variation in resting strategies across trophic levels and habitats in mammals. <i>Ecology and Evolution</i> , 2021 , 11, 14405-14415	2.8	1
109	Seasonal resource pulses and the foraging depth of a Southern Ocean top predator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202817	4.4	2
108	Contact tracing efficiency, transmission heterogeneity, and accelerating COVID-19 epidemics. <i>PLoS Computational Biology</i> , 2021 , 17, e1009122	5	9
107	Mechanisms underlying host persistence following amphibian disease emergence determine appropriate management strategies. <i>Ecology Letters</i> , 2021 , 24, 130-148	10	11
106	Ecology and impacts of white-nose syndrome on bats. <i>Nature Reviews Microbiology</i> , 2021 , 19, 196-210	22.2	24
105	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen. <i>Journal of Animal Ecology</i> , 2021 , 90, 1134-1141	4.7	2
104	A proposed framework for the development and qualitative evaluation of West Nile virus models and their application to local public health decision-making. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009653	4.8	6
103	Continued preference for suboptimal habitat reduces bat survival with white-nose syndrome. <i>Nature Communications</i> , 2021 , 12, 166	17.4	11
102	Nipah virus dynamics in bats and implications for spillover to humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29190-29201	11.5	44
101	The role of native and introduced birds in transmission of avian malaria in Hawaii. <i>Ecology</i> , 2020 , 101, e03038	4.6	6
100	Environmental reservoir dynamics predict global infection patterns and population impacts for the fungal disease white-nose syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7255-7262	11.5	26
99	Changing Contact Patterns Over Disease Progression: Nipah Virus as a Case Study. <i>Journal of Infectious Diseases</i> , 2020 , 222, 438-442	7	1
98	Seasonal and spatial variation in <i>Toxoplasma gondii</i> contamination in soil in urban public spaces in California, United States. <i>Zoonoses and Public Health</i> , 2020 , 67, 70-78	2.9	11
97	Impact of censusing and research on wildlife populations. <i>Conservation Science and Practice</i> , 2020 , 2, e264	2.2	2
96	Introduction, Spread, and Establishment of West Nile Virus in the Americas. <i>Journal of Medical Entomology</i> , 2019 , 56, 1448-1455	2.2	21
95	Impact of West Nile Virus on Bird Populations: Limited Lasting Effects, Evidence for Recovery, and Gaps in Our Understanding of Impacts on Ecosystems. <i>Journal of Medical Entomology</i> , 2019 , 56, 1491-1497	2.2	18

94	Transmission of Nipah Virus - 14 Years of Investigations in Bangladesh. <i>New England Journal of Medicine</i> , 2019 , 380, 1804-1814	59.2	63
93	Integrating social and ecological data to model metapopulation dynamics in coupled human and natural systems. <i>Ecology</i> , 2019 , 100, e02711	4.6	7
92	Potential public health benefits from cat eradications on islands. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007040	4.8	14
91	Field trial of a probiotic bacteria to protect bats from white-nose syndrome. <i>Scientific Reports</i> , 2019 , 9, 9158	4.9	26
90	Land Use and Larval Habitat Increase <i>Aedes albopictus</i> (Diptera: Culicidae) and <i>Culex quinquefasciatus</i> (Diptera: Culicidae) Abundance in Lowland Hawaii. <i>Journal of Medical Entomology</i> , 2018 , 55, 1509-1516	2.2	12
89	Increased Human Incidence of West Nile Virus Disease near Rice Fields in California but Not in Southern United States. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018 , 99, 222-228	3.2	11
88	Cryptic connections illuminate pathogen transmission within community networks. <i>Nature</i> , 2018 , 563, 710-713	50.4	33
87	Estimating Burdens of Neglected Tropical Zoonotic Diseases on Islands with Introduced Mammals. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 96, 749-757	3.2	13
86	Drought and immunity determine the intensity of West Nile virus epidemics and climate change impacts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	73
85	Lyme disease ecology in a changing world: consensus, uncertainty and critical gaps for improving control. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	115
84	Conservation of biodiversity as a strategy for improving human health and well-being. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	67
83	Conservation, biodiversity and infectious disease: scientific evidence and policy implications. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	25
82	Resistance in persisting bat populations after white-nose syndrome invasion. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	64
81	Pathogen dynamics during invasion and establishment of white-nose syndrome explain mechanisms of host persistence. <i>Ecology</i> , 2017 , 98, 624-631	4.6	71
80	Convergence of Humans, Bats, Trees, and Culture in Nipah Virus Transmission, Bangladesh. <i>Emerging Infectious Diseases</i> , 2017 , 23, 1446-1453	10.2	42
79	Phylogenetics of a Fungal Invasion: Origins and Widespread Dispersal of White-Nose Syndrome. <i>MBio</i> , 2017 , 8,	7.8	45
78	Drivers of variation in species impacts for a multi-host fungal disease of bats. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	63
77	Geographic variation in the response of <i>Culex pipiens</i> life history traits to temperature. <i>Parasites and Vectors</i> , 2016 , 9, 116	4	32

76	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
75	Host persistence or extinction from emerging infectious disease: insights from white-nose syndrome in endemic and invading regions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283, 20152861	4.4	33
74	White-Nose Syndrome Disease Severity and a Comparison of Diagnostic Methods. <i>EcoHealth</i> , 2016 , 13, 60-71	3.1	24
73	Indexing the <i>Pseudomonas</i> specialized metabolome enabled the discovery of poaeamide B and the bananamides. <i>Nature Microbiology</i> , 2016 , 2, 16197	26.6	83
72	Widespread Bat White-Nose Syndrome Fungus, Northeastern China. <i>Emerging Infectious Diseases</i> , 2016 , 22, 140-2	10.2	40
71	A Bioenergetics Approach to Understanding the Population Consequences of Disturbance: Elephant Seals as a Model System. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 875, 161-9	3.6	23
70	Deconstructing the Bat Skin Microbiome: Influences of the Host and the Environment. <i>Frontiers in Microbiology</i> , 2016 , 7, 1753	5.7	50
69	Anthropogenic impacts on mosquito populations in North America over the past century. <i>Nature Communications</i> , 2016 , 7, 13604	17.4	28
68	Long-Term Persistence of <i>Pseudogymnoascus destructans</i> , the Causative Agent of White-Nose Syndrome, in the Absence of Bats. <i>EcoHealth</i> , 2015 , 12, 330-3	3.1	40
67	Context-dependent conservation responses to emerging wildlife diseases. <i>Frontiers in Ecology and the Environment</i> , 2015 , 13, 195-202	5.5	112
66	Invasion dynamics of white-nose syndrome fungus, midwestern United States, 2012-2014. <i>Emerging Infectious Diseases</i> , 2015 , 21, 1023-6	10.2	63
65	Host and pathogen ecology drive the seasonal dynamics of a fungal disease, white-nose syndrome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142335	4.4	139
64	Efficacy of Visual Surveys for White-Nose Syndrome at Bat Hibernacula. <i>PLoS ONE</i> , 2015 , 10, e0133390	3.7	26
63	Bacteria isolated from bats inhibit the growth of <i>Pseudogymnoascus destructans</i> , the causative agent of white-nose syndrome. <i>PLoS ONE</i> , 2015 , 10, e0121329	3.7	91
62	Threshold levels of generalist predation determine consumer response to resource pulses. <i>Oikos</i> , 2015 , 124, 1436-1443	4	9
61	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
60	Disease alters macroecological patterns of North American bats. <i>Global Ecology and Biogeography</i> , 2015 , 24, 741-749	6.1	148
59	Direct detection of fungal siderophores on bats with white-nose syndrome via fluorescence microscopy-guided ambient ionization mass spectrometry. <i>PLoS ONE</i> , 2015 , 10, e0119668	3.7	23

58	Avian roosting behavior influences vector-host interactions for West Nile virus hosts. <i>Parasites and Vectors</i> , 2014 , 7, 399	4	29
57	The effect of temperature on life history traits of Culex mosquitoes. <i>Journal of Medical Entomology</i> , 2014 , 51, 55-62	2.2	126
56	Densovirus associated with sea-star wasting disease and mass mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17278-83	11.5	187
55	Merging economics and epidemiology to improve the prediction and management of infectious disease. <i>EcoHealth</i> , 2014 , 11, 464-75	3.1	62
54	Predicted and observed mortality from vector-borne disease in small songbirds. <i>Biological Conservation</i> , 2013 , 165, 79-85	6.2	22
53	West Nile virus ecology in a tropical ecosystem in Guatemala. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013 , 88, 116-26	3.2	18
52	Top-down and bottom-up influences on demographic rates of Antarctic fur seals <i>Arctocephalus gazella</i> . <i>Journal of Animal Ecology</i> , 2013 , 82, 903-11	4.7	26
51	Predicting human West Nile virus infections with mosquito surveillance data. <i>American Journal of Epidemiology</i> , 2013 , 178, 829-35	3.8	57
50	Using network theory to identify the causes of disease outbreaks of unknown origin. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120904	4.1	10
49	Quantifying trends in disease impact to produce a consistent and reproducible definition of an emerging infectious disease. <i>PLoS ONE</i> , 2013 , 8, e69951	3.7	16
48	Human Health 2013 , 312-339		5
47	Sociality, density-dependence and microclimates determine the persistence of populations suffering from a novel fungal disease, white-nose syndrome. <i>Ecology Letters</i> , 2012 , 15, 1050-7	10	236
46	Drivers, dynamics, and control of emerging vector-borne zoonotic diseases. <i>Lancet, The</i> , 2012 , 380, 1946-55	4.5	386
45	Rainfall influences survival of Culex pipiens (Diptera: Culicidae) in a residential neighborhood in the mid-Atlantic United States. <i>Journal of Medical Entomology</i> , 2012 , 49, 467-73	2.2	35
44	From superspreaders to disease hotspots: linking transmission across hosts and space. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 75-82	5.5	186
43	Deer, predators, and the emergence of Lyme disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10942-7	11.5	192
42	Frontiers in climate change-disease research. <i>Trends in Ecology and Evolution</i> , 2011 , 26, 270-7	10.9	215
41	Climate change and elevated extinction rates of reptiles from Mediterranean Islands. <i>American Naturalist</i> , 2011 , 177, 119-29	3.7	61

40	"Bird biting" mosquitoes and human disease: a review of the role of <i>Culex pipiens</i> complex mosquitoes in epidemiology. <i>Infection, Genetics and Evolution</i> , 2011 , 11, 1577-85	4.5	340
39	Globalization, land use, and the invasion of West Nile virus. <i>Science</i> , 2011 , 334, 323-7	33.3	293
38	Ecology of avian influenza viruses in a changing world. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1195, 113-28	6.5	87
37	Spatial and temporal variation in vector competence of <i>Culex pipiens</i> and <i>Cx. restuans</i> mosquitoes for West Nile virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010 , 83, 607-13	3.2	76
36	Environmental monitoring to enhance comprehension and control of infectious diseases. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 2048-55		24
35	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
34	DNA vaccination of American robins (<i>Turdus migratorius</i>) against West Nile virus. <i>Vector-Borne and Zoonotic Diseases</i> , 2010 , 10, 377-80	2.4	37
33	Predictive power of air travel and socio-economic data for early pandemic spread. <i>PLoS ONE</i> , 2010 , 5, e12763	3.7	51
32	Wildlife-livestock conflict: the risk of pathogen transmission from bison to cattle outside Yellowstone National Park. <i>Journal of Applied Ecology</i> , 2009 , 46, 476-485	5.8	66
31	Magnitude of the US trade in amphibians and presence of <i>Batrachochytrium dendrobatidis</i> and ranavirus infection in imported North American bullfrogs (<i>Rana catesbeiana</i>). <i>Biological Conservation</i> , 2009 , 142, 1420-1426	6.2	154
30	West Nile Virus Revisited: Consequences for North American Ecology. <i>BioScience</i> , 2008 , 58, 937-946	5.7	36
29	Temperature, viral genetics, and the transmission of West Nile virus by <i>Culex pipiens</i> mosquitoes. <i>PLoS Pathogens</i> , 2008 , 4, e1000092	7.6	284
28	Land use and west nile virus seroprevalence in wild mammals. <i>Emerging Infectious Diseases</i> , 2008 , 14, 962-5	10.2	47
27	Experimental infection of eastern gray squirrels (<i>Sciurus carolinensis</i>) with West Nile virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008 , 79, 447-51	3.2	9
26	Ecology of West Nile Virus Transmission and its Impact on Birds in the Western Hemisphere. <i>Auk</i> , 2007 , 124, 1121-1136	2.1	130
25	West Nile virus emergence and large-scale declines of North American bird populations. <i>Nature</i> , 2007 , 447, 710-3	50.4	347
24	ECOLOGY OF WEST NILE VIRUS TRANSMISSION AND ITS IMPACT ON BIRDS IN THE WESTERN HEMISPHERE. <i>Auk</i> , 2007 , 124, 1121	2.1	109
23	Mosquito landing rates on nesting American robins (<i>Turdus migratorius</i>). <i>Vector-Borne and Zoonotic Diseases</i> , 2007 , 7, 437-43	2.4	28

22	Genetic Influences on Mosquito Feeding Behavior and the Emergence of Zoonotic Pathogens. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 77, 667-671	3.2	72
21	Seroprevalence of West Nile virus in nonhuman primates as related to mosquito abundance at two national primate research centers. <i>Comparative Medicine</i> , 2007 , 57, 115-9	1.6	7
20	Genetic influences on mosquito feeding behavior and the emergence of zoonotic pathogens. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007 , 77, 667-71	3.2	33
19	Predicting the global spread of H5N1 avian influenza. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19368-73	11.5	391
18	Host heterogeneity dominates West Nile virus transmission. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2327-33	4.4	358
17	Facilitating the evolution of resistance to avian malaria in Hawaiian birds. <i>Biological Conservation</i> , 2006 , 128, 475-485	6.2	65
16	Effects of Chronic Avian Malaria (<i>Plasmodium Relictum</i>) Infection on Reproductive Success of Hawaii Amakihi (<i>Hemignathus Virens</i>). <i>Auk</i> , 2006 , 123, 764-774	2.1	43
15	Predicting pathogen introduction: West Nile virus spread to Gal�pagos. <i>Conservation Biology</i> , 2006 , 20, 1224-31	6	75
14	West Nile virus epidemics in North America are driven by shifts in mosquito feeding behavior. <i>PLoS Biology</i> , 2006 , 4, e82	9.7	383
13	West Nile virus risk assessment and the bridge vector paradigm. <i>Emerging Infectious Diseases</i> , 2005 , 11, 425-9	10.2	268
12	Bushmeat hunting, deforestation, and prediction of zoonoses emergence. <i>Emerging Infectious Diseases</i> , 2005 , 11, 1822-7	10.2	368
11	West Nile Virus and Wildlife. <i>BioScience</i> , 2004 , 54, 393	5.7	126
10	Conservation medicine and a new agenda for emerging diseases. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1026, 1-11	6.5	69
9	Quantitative Risk Assessment of the Pathways by Which West Nile Virus Could Reach Hawaii. <i>EcoHealth</i> , 2004 , 1, 205-209	3.1	55
8	Presence of an emerging pathogen of amphibians in introduced bullfrogs <i>Rana catesbeiana</i> in Venezuela. <i>Biological Conservation</i> , 2004 , 120, 115-119	6.2	112
7	Unhealthy landscapes: Policy recommendations on land use change and infectious disease emergence. <i>Environmental Health Perspectives</i> , 2004 , 112, 1092-8	8.4	593
6	Variation in growth of Brown-headed Cowbird (<i>Molothrus ater</i>) nestlings and energetic impacts on their host parents. <i>Canadian Journal of Zoology</i> , 2002 , 80, 145-153	1.5	45
5	Mobility and infectiousness in the spatial spread of an emerging fungal pathogen		1

4	The timing of COVID-19 transmission	48
3	Contact tracing efficiency, transmission heterogeneity, and accelerating COVID-19 epidemics	3
2	White-nose syndrome restructures bat skin microbiomes	4
1	Probabilistic Evaluation of Null Models for West Nile Virus in the United States	2