

# Meggan E Craft

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/159656/publications.pdf>

Version: 2024-02-01

92  
papers

3,509  
citations

172207

29  
h-index

168136

53  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parasites as conservation tools. <i>Conservation Biology</i> , 2022, 36, .	2.4	24
2	Hunting alters viral transmission and evolution in a large carnivore. <i>Nature Ecology and Evolution</i> , 2022, 6, 174-182.	3.4	5
3	How to study parasites and host migration: a roadmap for empiricists. <i>Biological Reviews</i> , 2022, 97, 1161-1178.	4.7	6
4	Social associations in common carp ( <i>Cyprinus carpio</i> ): Insights from induced feeding aggregations for targeted management strategies. <i>Ecology and Evolution</i> , 2022, 12, e8666.	0.8	3
5	Paradoxes and synergies: Optimizing management of a deadly virus in an endangered carnivore. <i>Journal of Applied Ecology</i> , 2022, 59, 1548-1558.	1.9	3
6	Asymmetric host movement reshapes local disease dynamics in metapopulations. <i>Scientific Reports</i> , 2022, 12, .	1.6	0
7	Defining an epidemiological landscape that connects movement ecology to pathogen transmission and persistence in life. <i>Ecology Letters</i> , 2022, 25, 1760-1782.	3.0	18
8	Trade-offs with telemetry-derived contact networks for infectious disease studies in wildlife. <i>Methods in Ecology and Evolution</i> , 2021, 12, 76-87.	2.2	26
9	Bidirectional interactions between host social behaviour and parasites arise through ecological and evolutionary processes. <i>Parasitology</i> , 2021, 148, 274-288.	0.7	30
10	Group density, disease, and season shape territory size and overlap of social carnivores. <i>Journal of Animal Ecology</i> , 2021, 90, 87-101.	1.3	12
11	Parasite intensity and the evolution of migratory behavior. <i>Ecology</i> , 2021, 102, e03229.	1.5	8
12	Host relatedness and landscape connectivity shape pathogen spread in the puma, a large secretive carnivore. <i>Communications Biology</i> , 2021, 4, 12.	2.0	20
13	Patterns and processes of pathogen exposure in gray wolves across North America. <i>Scientific Reports</i> , 2021, 11, 3722.	1.6	6
14	Importance of anthropogenic sources at shaping the antimicrobial resistance profile of a peri-urban mesocarnivore. <i>Science of the Total Environment</i> , 2021, 764, 144166.	3.9	9
15	Network connectivity of Minnesota waterbodies and implications for aquatic invasive species prevention. <i>Biological Invasions</i> , 2021, 23, 3231-3242.	1.2	11
16	Comparison of Antimicrobial-Resistant <i>Escherichia coli</i> Isolates from Urban Raccoons and Domestic Dogs. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0048421.	1.4	6
17	Infection risk varies within urbanized landscapes: the case of coyotes and heartworm. <i>Parasites and Vectors</i> , 2021, 14, 464.	1.0	3
18	Lessons from movement ecology for the return to work: Modeling contacts and the spread of COVID-19. <i>PLoS ONE</i> , 2021, 16, e0242955.	1.1	6

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19	Microbial associations and spatial proximity predict North American moose ( <i>Alces alces</i> ) gastrointestinal community composition. <i>Journal of Animal Ecology</i> , 2020, 89, 817-828.	1.3	16
20	A mechanistic, stigmergy model of territory formation in solitary animals: Territorial behavior can dampen disease prevalence but increase persistence. <i>PLoS Computational Biology</i> , 2020, 16, e1007457.	1.5	9
21	Characterization of antimicrobial resistance genes in Enterobacteriaceae carried by suburban mesocarnivores and locally owned and stray dogs. <i>Zoonoses and Public Health</i> , 2020, 67, 460-466.	0.9	7
22	Does the virus cross the road? Viral phylogeographic patterns among bobcat populations reflect a history of urban development. <i>Evolutionary Applications</i> , 2020, 13, 1806-1817.	1.5	7
23	Cross-species transmission and evolutionary dynamics of canine distemper virus during a spillover in African lions of Serengeti National Park. <i>Molecular Ecology</i> , 2020, 29, 4308-4321.	2.0	18
24	Using host traits to predict reservoir host species of rabies virus. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008940.	1.3	29
25	Genotype and sex-based host variation in behaviour and susceptibility drives population disease dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201653.	1.2	4
26	Title is missing!. , 2020, 16, e1007457.		0
27	Title is missing!. , 2020, 16, e1007457.		0
28	Title is missing!. , 2020, 16, e1007457.		0
29	Title is missing!. , 2020, 16, e1007457.		0
30	Title is missing!. , 2020, 16, e1007457.		0
31	Title is missing!. , 2020, 16, e1007457.		0
32	How to make more from exposure data? An integrated machine learning pipeline to predict pathogen exposure. <i>Journal of Animal Ecology</i> , 2019, 88, 1447-1461.	1.3	33
33	Mapping parasite transmission risk from white-tailed deer to a declining moose population. <i>European Journal of Wildlife Research</i> , 2019, 65, 1.	0.7	13
34	City sicker? A meta-analysis of wildlife health and urbanization. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 575-583.	1.9	114
35	Feline immunodeficiency virus in puma: Estimation of force of infection reveals insights into transmission. <i>Ecology and Evolution</i> , 2019, 9, 11010-11024.	0.8	7
36	Urbanization impacts apex predator gene flow but not genetic diversity across an urban-rural divide. <i>Molecular Ecology</i> , 2019, 28, 4926-4940.	2.0	23

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37	Host migration strategy is shaped by forms of parasite transmission and infection cost. <i>Journal of Animal Ecology</i> , 2019, 88, 1601-1612.	1.3	16
38	Emerging human infectious diseases and the links to global food production. <i>Nature Sustainability</i> , 2019, 2, 445-456.	11.5	362
39	Endemic infection can shape exposure to novel pathogens: Pathogen co-occurrence networks in the Serengeti lions. <i>Ecology Letters</i> , 2019, 22, 904-913.	3.0	14
40	Transmission ecology of canine parvovirus in a multi-host, multi-pathogen system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182772.	1.2	26
41	Species-specific spatiotemporal patterns of leopard, lion and tiger attacks on humans. <i>Journal of Applied Ecology</i> , 2019, 56, 585-593.	1.9	24
42	Characterization of swine movements in the United States and implications for disease control. <i>Preventive Veterinary Medicine</i> , 2019, 164, 1-9.	0.7	36
43	Model recommendations meet management reality: implementation and evaluation of a network-informed vaccination effort for endangered Hawaiian monk seals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20171899.	1.2	16
44	Managing complexity: Simplifying assumptions of foot-and-mouth disease models for swine. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 1307-1317.	1.3	17
45	Incorporating genomic methods into contact networks to reveal new insights into animal behaviour and infectious disease dynamics. <i>Behaviour</i> , 2018, 155, 759-791.	0.4	16
46	Covariation between the physiological and behavioral components of pathogen transmission: host heterogeneity determines epidemic outcomes. <i>Oikos</i> , 2018, 127, 538-552.	1.2	23
47	Dynamic, spatial models of parasite transmission in wildlife: Their structure, applications and remaining challenges. <i>Journal of Animal Ecology</i> , 2018, 87, 559-580.	1.3	56
48	Towards an eco-phylogenetic framework for infectious disease ecology. <i>Biological Reviews</i> , 2018, 93, 950-970.	4.7	63
49	Challenges and Opportunities Developing Mathematical Models of Shared Pathogens of Domestic and Wild Animals. <i>Veterinary Sciences</i> , 2018, 5, 92.	0.6	14
50	Infectious Disease in Wild Animal Populations: Examining Transmission and Control with Mathematical Models. <i>Advances in Environmental Microbiology</i> , 2018, , 239-266.	0.1	1
51	Modeling cost-effectiveness of risk-based bovine tuberculosis surveillance in Minnesota. <i>Preventive Veterinary Medicine</i> , 2018, 159, 1-11.	0.7	15
52	Disease outbreak thresholds emerge from interactions between movement behavior, landscape structure, and epidemiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7374-7379.	3.3	69
53	Pathogens in space: Advancing understanding of pathogen dynamics and disease ecology through landscape genetics. <i>Evolutionary Applications</i> , 2018, 11, 1763-1778.	1.5	37
54	Potential distribution of the viral haemorrhagic septicaemia virus in the Great Lakes region. <i>Journal of Fish Diseases</i> , 2017, 40, 11-28.	0.9	18

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55	Influenza A virus in swine breeding herds: Combination of vaccination and biosecurity practices can reduce likelihood of endemic piglet reservoir. <i>Preventive Veterinary Medicine</i> , 2017, 138, 55-69.	0.7	36
56	Urban landscapes can change virus gene flow and evolution in a fragmentation-sensitive carnivore. <i>Molecular Ecology</i> , 2017, 26, 6487-6498.	2.0	40
57	Linking social and spatial networks to viral community phylogenetics reveals subtype-specific transmission dynamics in African lions. <i>Journal of Animal Ecology</i> , 2017, 86, 1469-1482.	1.3	22
58	Using contact networks to explore mechanisms of parasite transmission in wildlife. <i>Biological Reviews</i> , 2017, 92, 389-409.	4.7	136
59	Interactions between domestic and wild carnivores around the greater Serengeti ecosystem. <i>Animal Conservation</i> , 2017, 20, 193-204.	1.5	17
60	Seasonality and pathogen transmission in pastoral cattle contact networks. <i>Royal Society Open Science</i> , 2017, 4, 170808.	1.1	44
61	Inferring the Ecological Niche of <i>Toxoplasma gondii</i> and <i>Bartonella</i> spp. in Wild Felids. <i>Frontiers in Veterinary Science</i> , 2017, 4, 172.	0.9	3
62	Advances and Limitations of Disease Biogeography Using Ecological Niche Modeling. <i>Frontiers in Microbiology</i> , 2016, 07, 1174.	1.5	105
63	One Health or Three? Publication Silos Among the One Health Disciplines. <i>PLoS Biology</i> , 2016, 14, e1002448.	2.6	84
64	Parameter Values for Epidemiological Models of Foot-and-Mouth Disease in Swine. <i>Frontiers in Veterinary Science</i> , 2016, 3, 44.	0.9	29
65	Which mechanisms drive seasonal rabies outbreaks in raccoons? A test using dynamic social network models. <i>Journal of Applied Ecology</i> , 2016, 53, 804-813.	1.9	34
66	Is pathogen exposure spatially autocorrelated? Patterns of pathogens in puma ( <i>Puma concolor</i> ) and bobcat ( <i>Lynx rufus</i> ). <i>Ecosphere</i> , 2016, 7, e01558.	1.0	12
67	Declining Prevalence of Disease Vectors Under Climate Change. <i>Scientific Reports</i> , 2016, 6, 39150.	1.6	46
68	Host behaviour-parasite feedback: an essential link between animal behaviour and disease ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153078.	1.2	112
69	Evaluating empirical contact networks as potential transmission pathways for infectious diseases. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160166.	1.5	41
70	Mosquitoes in Moose Country: A Mosquito Survey of Northern Minnesota. <i>Journal of the American Mosquito Control Association</i> , 2016, 32, 83-90.	0.2	2
71	Network analysis of cattle movements in Uruguay: Quantifying heterogeneity for risk-based disease surveillance and control. <i>Preventive Veterinary Medicine</i> , 2016, 123, 12-22.	0.7	58
72	Raccoon contact networks predict seasonal susceptibility to rabies outbreaks and limitations of vaccination. <i>Journal of Animal Ecology</i> , 2015, 84, 1720-1731.	1.3	67

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73	From network analysis to risk analysis—An approach to risk-based surveillance for bovine tuberculosis in Minnesota, US. <i>Preventive Veterinary Medicine</i> , 2015, 118, 328-340.	0.7	19
74	Dynamics of a morbillivirus at the domestic—wildlife interface: Canine distemper virus in domestic dogs and lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1464-1469.	3.3	128
75	Infectious disease transmission and contact networks in wildlife and livestock. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140107.	1.8	251
76	The sociality—health—fitness nexus: synthesis, conclusions and future directions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140115.	1.8	41
77	Episodic outbreaks of small mammals influence predator community dynamics in an east African savanna ecosystem. <i>Oikos</i> , 2014, 123, 1014-1024.	1.2	28
78	Risk-Based Management of Viral Hemorrhagic Septicemia Virus in Minnesota. <i>North American Journal of Fisheries Management</i> , 2014, 34, 373-379.	0.5	9
79	Mathematical Modeling of Influenza A Virus Dynamics within Swine Farms and the Effects of Vaccination. <i>PLoS ONE</i> , 2014, 9, e106177.	1.1	48
80	Canine Distemper Virus (CDV) in Another Big Cat: Should CDV Be Renamed Carnivore Distemper Virus?. <i>MBio</i> , 2013, 4, e00702-13.	1.8	46
81	Epidemiological effects of group size variation in social species. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130206.	1.5	22
82	Asynchronous food-web pathways could buffer the response of Serengeti predators to El Niño Southern Oscillation. <i>Ecology</i> , 2013, 94, 1123-1130.	1.5	27
83	Estimating the Probability of a Major Outbreak from the Timing of Early Cases: An Indeterminate Problem?. <i>PLoS ONE</i> , 2013, 8, e57878.	1.1	21
84	FIV diversity: FIV subtype composition may influence disease outcome in African lions. <i>Veterinary Immunology and Immunopathology</i> , 2011, 143, 338-346.	0.5	27
85	Long-term trends in carnivore abundance using distance sampling in Serengeti National Park, Tanzania. <i>Journal of Applied Ecology</i> , 2011, 48, 1490-1500.	1.9	65
86	Disease transmission in territorial populations: the small-world network of Serengeti lions. <i>Journal of the Royal Society Interface</i> , 2011, 8, 776-786.	1.5	121
87	Network Models: An Underutilized Tool in Wildlife Epidemiology?. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2011, 2011, 1-12.	0.6	107
88	Does size matter? An investigation of habitat use across a carnivore assemblage in the Serengeti, Tanzania. <i>Journal of Animal Ecology</i> , 2010, 79, 1012-1022.	1.3	27
89	Distinguishing epidemic waves from disease spillover in a wildlife population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1777-1785.	1.2	80
90	Capture and rapid handling of jackals ( <i>Canis mesomelas</i> and <i>Canis adustus</i> ) without chemical immobilization. <i>African Journal of Ecology</i> , 2008, 46, 214-216.	0.4	3

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91	Dynamics of a multihost pathogen in a carnivore community. <i>Journal of Animal Ecology</i> , 2008, 77, 1257-1264.	1.3	79
92	Exploring reservoir dynamics: a case study of rabies in the Serengeti ecosystem. <i>Journal of Applied Ecology</i> , 2008, 45, 1246-1257.	1.9	166