

Paul Cross

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

3,868
citations

147801

31
h-index

133252

59
g-index

78
all docs

78
docs citations

78
times ranked

4453
citing authors

#	ARTICLE	IF	CITATIONS
1	LoCoH: Nonparametric Kernel Methods for Constructing Home Ranges and Utilization Distributions. PLoS ONE, 2007, 2, e207.	2.5	410
2	Should we expect population thresholds for wildlife disease?. Trends in Ecology and Evolution, 2005, 20, 511-519.	8.7	403
3	Wildlife tuberculosis in South African conservation areas: Implications and challenges. Veterinary Microbiology, 2006, 112, 91-100.	1.9	259
4	Assembling evidence for identifying reservoirs of infection. Trends in Ecology and Evolution, 2014, 29, 270-279.	8.7	209
5	Modeling Routes of Chronic Wasting Disease Transmission: Environmental Prion Persistence Promotes Deer Population Decline and Extinction. PLoS ONE, 2011, 6, e19896.	2.5	131
6	EFFECTS OF MANAGEMENT AND CLIMATE ON ELK BRUCELLOSIS IN THE GREATER YELLOWSTONE ECOSYSTEM. , 2007, 17, 957-964.		106
7	Ecological interventions to prevent and manage zoonotic pathogen spillover. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180342.	4.0	102
8	Disentangling association patterns in fissionâ€“fusion societies using African buffalo as an example. Animal Behaviour, 2005, 69, 499-506.	1.9	98
9	Probable causes of increasing brucellosis in freeâ€“ranging elk of the Greater Yellowstone Ecosystem. Ecological Applications, 2010, 20, 278-288.	3.8	92
10	Taming wildlife disease: bridging the gap between science and management. Journal of Applied Ecology, 2013, 50, 702-712.	4.0	87
11	Genomics reveals historic and contemporary transmission dynamics of a bacterial disease among wildlife and livestock. Nature Communications, 2016, 7, 11448.	12.8	85
12	Utility of R 0 as a predictor of disease invasion in structured populations. Journal of the Royal Society Interface, 2007, 4, 315-324.	3.4	84
13	â€œOne Healthâ€“or Three? Publication Silos Among the One Health Disciplines. PLoS Biology, 2016, 14, e1002448.	5.6	84
14	Methods for assessing movement path recursion with application to African buffalo in South Africa. Ecology, 2009, 90, 2467-2479.	3.2	77
15	Parasite invasion following host reintroduction: a case study of Yellowstone's wolves. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2840-2851.	4.0	77
16	Disease, predation and demography: assessing the impacts of bovine tuberculosis on African buffalo by monitoring at individual and population levels. Journal of Applied Ecology, 2009, 46, 467-475.	4.0	71
17	The utility of normalized difference vegetation index for predicting African buffalo forage quality. Journal of Wildlife Management, 2012, 76, 1499-1508.	1.8	71
18	Linking process to pattern: estimating spatiotemporal dynamics of a wildlife epidemic from crossâ€“sectional data. Ecological Monographs, 2010, 80, 221-240.	5.4	68

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19	Social living mitigates the costs of a chronic illness in a cooperative carnivore. <i>Ecology Letters</i> , 2015, 18, 660-667.	6.4	67
20	HABITAT QUALITY AND HETEROGENEITY INFLUENCE DISTRIBUTION AND BEHAVIOR IN AFRICAN BUFFALO (<i>Syncerus caffer</i>). <i>Ecology</i> , 2008, 89, 1457-1468.	3.2	66
21	From moonlight to movement and synchronized randomness: Fourier and wavelet analyses of animal location time series data. <i>Ecology</i> , 2010, 91, 1506-1518.	3.2	65
22	Infectious Disease in Cervids of North America. <i>Annals of the New York Academy of Sciences</i> , 2008, 1134, 146-172.	3.8	63
23	Fine-scale movements of rural free-ranging dogs in conservation areas in the temperate rainforest of the coastal range of southern Chile. <i>Mammalian Biology</i> , 2015, 80, 290-297.	1.5	63
24	Spatio-temporal dynamics of pneumonia in bighorn sheep. <i>Journal of Animal Ecology</i> , 2013, 82, 518-528.	2.8	62
25	Rift Valley Fever Virus Infection in African Buffalo (<i>Syncerus caffer</i>) Herds in Rural South Africa: Evidence of Interepidemic Transmission. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 641-646.	1.4	59
26	EFFECTS OF MANAGEMENT, BEHAVIOR, AND SCAVENGING ON RISK OF BRUCELLOSIS TRANSMISSION IN ELK OF WESTERN WYOMING. <i>Journal of Wildlife Diseases</i> , 2009, 45, 398-410.	0.8	47
27	Mapping Brucellosis Increases Relative to Elk Density Using Hierarchical Bayesian Models. <i>PLoS ONE</i> , 2010, 5, e10322.	2.5	45
28	Female elk contacts are neither frequency nor density dependent. <i>Ecology</i> , 2013, 94, 2076-2086.	3.2	45
29	Trade-offs of predation and foraging explain sexual segregation in African buffalo. <i>Journal of Animal Ecology</i> , 2008, 77, 850-858.	2.8	44
30	Wildlife contact analysis: emerging methods, questions, and challenges. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1437-1447.	1.4	44
31	Estimating distemper virus dynamics among wolves and grizzly bears using serology and Bayesian state-space models. <i>Ecology and Evolution</i> , 2018, 8, 8726-8735.	1.9	38
32	Assessing vaccination as a control strategy in an ongoing epidemic: Bovine tuberculosis in African buffalo. <i>Ecological Modelling</i> , 2006, 196, 494-504.	2.5	36
33	Costs and benefits of group living with disease: a case study of pneumonia in bighorn lambs (<i>Ovis</i>). <i>Trends in Ecology and Evolution</i> , 2014, 29, 385-395.	2.6	35
34	Estimating the phenology of elk brucellosis transmission with hierarchical models of cause-specific and baseline hazards. <i>Journal of Wildlife Management</i> , 2015, 79, 739-748.	1.8	32
35	Energetic costs of range in wolves estimated from infrared thermography. <i>Ecology</i> , 2016, 97, 1938-1948.	3.2	32
36	Confronting models with data: the challenges of estimating disease spillover. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180435.	4.0	30

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37	Use of Exposure History to Identify Patterns of Immunity to Pneumonia in Bighorn Sheep (<i>Ovis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	30
38	Contextâ€dependent survival, fecundity and predicted populationâ€level consequences of brucellosis in African buffalo. <i>Journal of Animal Ecology</i> , 2015, 84, 999-1009.	2.8	29
39	Effects of supplemental feeding and aggregation on fecal glucocorticoid metabolite concentrations in elk. <i>Journal of Wildlife Management</i> , 2012, 76, 694-702.	1.8	27
40	Effects of lowâ€density feeding on elkâ€fetus contact rates on Wyoming feedgrounds. <i>Journal of Wildlife Management</i> , 2012, 76, 877-886.	1.8	27
41	Risk factors and productivity losses associated with <i>Mycoplasma ovipneumoniae</i> infection in United States domestic sheep operations. <i>Preventive Veterinary Medicine</i> , 2019, 168, 30-38.	1.9	27
42	Managing more than the mean: using quantile regression to identify factors related to large elk groups. <i>Journal of Applied Ecology</i> , 2015, 52, 1656-1664.	4.0	26
43	Rejoinder: sifting through model space. <i>Ecology</i> , 2010, 91, 3503-3514.	3.2	25
44	Winter feeding of elk in the Greater Yellowstone Ecosystem and its effects on disease dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170093.	4.0	23
45	When environmentally persistent pathogens transform good habitat into ecological traps. <i>Royal Society Open Science</i> , 2016, 3, 160051.	2.4	22
46	Decreasing prevalence of brucellosis in red deer through efforts to control disease in livestock. <i>Epidemiology and Infection</i> , 2011, 139, 1626-1630.	2.1	20
47	An ecological perspective on <i>Brucella abortus</i> in the western United States. <i>OIE Revue Scientifique Et Technique</i> , 2013, 32, 79-87.	1.2	18
48	Isolation of <i>Bartonella capreoli</i> from elk. <i>Veterinary Microbiology</i> , 2011, 148, 329-332.	1.9	14
49	Underestimating the effects of spatial heterogeneity due to individual movement and spatial scale: infectious disease as an example. <i>Landscape Ecology</i> , 2013, 28, 247-257.	4.2	14
50	The Population History of Endogenous Retroviruses in Mule Deer (<i>Odocoileus hemionus</i>). <i>Journal of Heredity</i> , 2014, 105, 173-187.	2.4	13
51	Clinical Demodicosis in African Buffalo (<i>Syncerus caffer</i>) in the Kruger National Park. <i>Journal of Wildlife Diseases</i> , 2009, 45, 502-504.	0.8	12
52	Microsatellites indicate minimal barriers to mule deer <i>Odocoileus hemionus</i> dispersal across Montana, USA. <i>Wildlife Biology</i> , 2013, 19, 102-110.	1.4	12
53	Group density, disease, and season shape territory size and overlap of social carnivores. <i>Journal of Animal Ecology</i> , 2021, 90, 87-101.	2.8	12
54	Limitations to estimating bacterial crossâ€species transmission using genetic and genomic markers: inferences from simulation modeling. <i>Evolutionary Applications</i> , 2014, 7, 774-787.	3.1	10

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55	Epidemic growth rates and host movement patterns shape management performance for pathogen spillover at the wildlife–livestock interface. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180343.	4.0	10
56	Effects of Chemical Immobilization on Survival of African Buffalo in the Kruger National Park. <i>Journal of Wildlife Management</i> , 2009, 73, 149-153.	1.8	9
57	A multi-scale assessment of animal aggregation patterns to understand increasing pathogen seroprevalence. <i>Ecosphere</i> , 2014, 5, art138.	2.2	9
58	Elk migration influences the risk of disease spillover in the Greater Yellowstone Ecosystem. <i>Journal of Animal Ecology</i> , 2021, 90, 1264-1275.	2.8	8
59	A metapopulation model of social group dynamics and disease applied to Yellowstone wolves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
60	Epidemiological differences between sexes affect management efficacy in simulated chronic wasting disease systems. <i>Journal of Applied Ecology</i> , 2022, 59, 1122-1133.	4.0	8
61	Influences of supplemental feeding on winter elk calf:cow ratios in the southern Greater Yellowstone Ecosystem. <i>Journal of Wildlife Management</i> , 2015, 79, 887-897.	1.8	7
62	Hidden cost of disease in a free-ranging ungulate: brucellosis reduces mid-winter pregnancy in elk. <i>Ecology and Evolution</i> , 2018, 8, 10733-10742.	1.9	7
63	Natural history of a bighorn sheep pneumonia epizootic: Source of infection, course of disease, and pathogen clearance. <i>Ecology and Evolution</i> , 2021, 11, 14366-14382.	1.9	7
64	Human activities and weather drive contact rates of wintering elk. <i>Journal of Applied Ecology</i> , 2021, 58, 667-676.	4.0	6
65	Examination of the interaction between age-specific predation and chronic disease in the Greater Yellowstone Ecosystem. <i>Journal of Animal Ecology</i> , 2022, 91, 1373-1384.	2.8	5
66	Parsing the effects of demography, climate and management on recurrent brucellosis outbreaks in elk. <i>Journal of Applied Ecology</i> , 2020, 57, 379-389.	4.0	4
67	Genomic association with pathogen carriage in bighorn sheep (<i>Ovis canadensis</i>). <i>Ecology and Evolution</i> , 2021, 11, 2488-2502.	1.9	4
68	Scavengers reduce potential brucellosis transmission risk in the Greater Yellowstone Ecosystem. <i>Ecosphere</i> , 2021, 12, e03783.	2.2	4
69	Population structure, intergroup interaction, and human contact govern infectious disease impacts in mountain gorilla populations. <i>American Journal of Primatology</i> , 2022, 84, e23350.	1.7	4
70	Sex-Biased Gene Flow Among Elk in the Greater Yellowstone Ecosystem. <i>Journal of Fish and Wildlife Management</i> , 2014, 5, 124-132.	0.9	3
71	Eyes on the herd: Quantifying ungulate density from satellite, unmanned aerial systems, and GPS collar data. <i>Ecological Applications</i> , 2022, , e2600.	3.8	3
72	Disease and secondary sexual traits: effects of pneumonia on horn size of bighorn sheep. <i>Journal of Wildlife Management</i> , 0, , .	1.8	2

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73	Title is missing!. , 2013, 8, e61919.		0