

# 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	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
2	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
3	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
4	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
5	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
6	Human activities and weather drive contact rates of wintering elk. <i>Journal of Applied Ecology</i> , 2021, 58, 667-676.	4.0	6
7	Genomic association with pathogen carriage in bighorn sheep ( <i>Ovis canadensis</i> ). <i>Ecology and Evolution</i> , 2021, 11, 2488-2502.	1.9	4
8	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
9	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
10	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
11	Scavengers reduce potential brucellosis transmission risk in the Greater Yellowstone Ecosystem. <i>Ecosphere</i> , 2021, 12, e03783.	2.2	4
12	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
13	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
14	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
15	Ecological interventions to prevent and manage zoonotic pathogen spillover. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180342.	4.0	102
16	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
17	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
18	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

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19	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
20	One Health or Three? Publication Silos Among the One Health Disciplines. <i>PLoS Biology</i> , 2016, 14, e1002448.	5.6	84
21	Genomics reveals historic and contemporary transmission dynamics of a bacterial disease among wildlife and livestock. <i>Nature Communications</i> , 2016, 7, 11448.	12.8	85
22	Energetic costs of mange in wolves estimated from infrared thermography. <i>Ecology</i> , 2016, 97, 1938-1948.	3.2	32
23	When environmentally persistent pathogens transform good habitat into ecological traps. <i>Royal Society Open Science</i> , 2016, 3, 160051.	2.4	22
24	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
25	Context-dependent survival, fecundity and predicted population-level consequences of brucellosis in African buffalo. <i>Journal of Animal Ecology</i> , 2015, 84, 999-1009.	2.8	29
26	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
27	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
28	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
29	Social living mitigates the costs of a chronic illness in a cooperative carnivore. <i>Ecology Letters</i> , 2015, 18, 660-667.	6.4	67
30	A multi-scale assessment of animal aggregation patterns to understand increasing pathogen seroprevalence. <i>Ecosphere</i> , 2014, 5, art138.	2.2	9
31	Limitations to estimating bacterial cross-species transmission using genetic and genomic markers: inferences from simulation modeling. <i>Evolutionary Applications</i> , 2014, 7, 774-787.	3.1	10
32	Costs and benefits of group living with disease: a case study of pneumonia in bighorn lambs ( <i>Ovis montanus</i> ). <i>Evolutionary Ecology</i> , 2014, 28, 107-118.	2.6	35
33	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
34	Assembling evidence for identifying reservoirs of infection. <i>Trends in Ecology and Evolution</i> , 2014, 29, 270-279.	8.7	209
35	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
36	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

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37	Female elk contacts are neither frequency nor density dependent. <i>Ecology</i> , 2013, 94, 2076-2086.	3.2	45
38	Taming wildlife disease: bridging the gap between science and management. <i>Journal of Applied Ecology</i> , 2013, 50, 702-712.	4.0	87
39	Spatio-temporal dynamics of pneumonia in bighorn sheep. <i>Journal of Animal Ecology</i> , 2013, 82, 518-528.	2.8	62
40	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
41	Use of Exposure History to Identify Patterns of Immunity to Pneumonia in Bighorn Sheep ( <i>Ovis</i> )	2.5	30
42	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
43	Title is missing!, 2013, 8, e61919.		0
44	Parasite invasion following host reintroduction: a case study of Yellowstone's wolves. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 2840-2851.	4.0	77
45	Wildlife contact analysis: emerging methods, questions, and challenges. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1437-1447.	1.4	44
46	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
47	Effects of low-density feeding on elk fetus contact rates on Wyoming feedgrounds. <i>Journal of Wildlife Management</i> , 2012, 76, 877-886.	1.8	27
48	The utility of normalized difference vegetation index for predicting African buffalo forage quality. <i>Journal of Wildlife Management</i> , 2012, 76, 1499-1508.	1.8	71
49	Modeling Routes of Chronic Wasting Disease Transmission: Environmental Prion Persistence Promotes Deer Population Decline and Extinction. <i>PLoS ONE</i> , 2011, 6, e19896.	2.5	131
50	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
51	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
52	Isolation of <i>Bartonella capreoli</i> from elk. <i>Veterinary Microbiology</i> , 2011, 148, 329-332.	1.9	14
53	Probable causes of increasing brucellosis in free-ranging elk of the Greater Yellowstone Ecosystem. <i>Ecological Applications</i> , 2010, 20, 278-288.	3.8	92
54	Rejoinder: sifting through model space. <i>Ecology</i> , 2010, 91, 3503-3514.	3.2	25

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55	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
56	Mapping Brucellosis Increases Relative to Elk Density Using Hierarchical Bayesian Models. <i>PLoS ONE</i> , 2010, 5, e10322.	2.5	45
57	Linking process to pattern: estimating spatiotemporal dynamics of a wildlife epidemic from cross-sectional data. <i>Ecological Monographs</i> , 2010, 80, 221-240.	5.4	68
58	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
59	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
60	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
61	Disease, predation and demography: assessing the impacts of bovine tuberculosis on African buffalo by monitoring at individual and population levels. <i>Journal of Applied Ecology</i> , 2009, 46, 467-475.	4.0	71
62	Methods for assessing movement path recursion with application to African buffalo in South Africa. <i>Ecology</i> , 2009, 90, 2467-2479.	3.2	77
63	Infectious Disease in Cervids of North America. <i>Annals of the New York Academy of Sciences</i> , 2008, 1134, 146-172.	3.8	63
64	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
65	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
66	EFFECTS OF MANAGEMENT AND CLIMATE ON ELK BRUCELLOSIS IN THE GREATER YELLOWSTONE ECOSYSTEM. , 2007, 17, 957-964.		106
67	Utility of $R_0$ as a predictor of disease invasion in structured populations. <i>Journal of the Royal Society Interface</i> , 2007, 4, 315-324.	3.4	84
68	LoCoH: Nonparametric Kernel Methods for Constructing Home Ranges and Utilization Distributions. <i>PLoS ONE</i> , 2007, 2, e207.	2.5	410
69	Wildlife tuberculosis in South African conservation areas: Implications and challenges. <i>Veterinary Microbiology</i> , 2006, 112, 91-100.	1.9	259
70	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
71	Disentangling association patterns in fission-fusion societies using African buffalo as an example. <i>Animal Behaviour</i> , 2005, 69, 499-506.	1.9	98
72	Should we expect population thresholds for wildlife disease?. <i>Trends in Ecology and Evolution</i> , 2005, 20, 511-519.	8.7	403

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73	Disease and secondary sexual traits: effects of pneumonia on horn size of bighorn sheep. Journal of Wildlife Management, 0, , .	1.8	2