

Scott Creel

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

11,224
citations

41344

49
h-index

31849

101
g-index

116
all docs

116
docs citations

116
times ranked

7722
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationships between direct predation and risk effects. <i>Trends in Ecology and Evolution</i> , 2008, 23, 194-201.	8.7	850
2	Social dominance and stress hormones. <i>Trends in Ecology and Evolution</i> , 2001, 16, 491-497.	8.7	644
3	ELK ALTER HABITAT SELECTION AS AN ANTIPREDATOR RESPONSE TO WOLVES. <i>Ecology</i> , 2005, 86, 3387-3397.	3.2	573
4	Communal hunting and pack size in African wild dogs, <i>Lycaon pictus</i> . <i>Animal Behaviour</i> , 1995, 50, 1325-1339.	1.9	552
5	Predation Risk Affects Reproductive Physiology and Demography of Elk. <i>Science</i> , 2007, 315, 960-960.	12.6	473
6	The ecology of stress: effects of the social environment. <i>Functional Ecology</i> , 2013, 27, 66-80.	3.6	372
7	Inclusive fitness theory and eusociality. <i>Nature</i> , 2011, 471, E1-E4.	27.8	339
8	Snowmobile Activity and Glucocorticoid Stress Responses in Wolves and Elk. <i>Conservation Biology</i> , 2002, 16, 809-814.	4.7	335
9	Limitation of African Wild Dogs by Competition with Larger Carnivores. <i>Conservation Biology</i> , 1996, 10, 526-538.	4.7	327
10	Rank and reproduction in cooperatively breeding African wild dogs: behavioral and endocrine correlates. <i>Behavioral Ecology</i> , 1997, 8, 298-306.	2.2	301
11	Responses of elk herd size to fine-scale spatial and temporal variation in the risk of predation by wolves. <i>Animal Behaviour</i> , 2005, 69, 1181-1189.	1.9	265
12	Population size estimation in Yellowstone wolves with error-prone noninvasive microsatellite genotypes. <i>Molecular Ecology</i> , 2003, 12, 2003-2009.	3.9	245
13	Social stress and dominance. <i>Nature</i> , 1996, 379, 212-212.	27.8	217
14	Effects of predation risk on group size, vigilance, and foraging behavior in an African ungulate community. <i>Behavioral Ecology</i> , 2014, 25, 773-784.	2.2	213
15	Glucocorticoid stress hormones and the effect of predation risk on elk reproduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12388-12393.	7.1	197
16	Social dominance, aggression and faecal glucocorticoid levels in a wild population of wolves, <i>Canis lupus</i> . <i>Animal Behaviour</i> , 2004, 67, 387-396.	1.9	195
17	Behavioural and endocrine mechanisms of reproductive suppression in Serengeti dwarf mongooses. <i>Animal Behaviour</i> , 1992, 43, 231-245.	1.9	184
18	Occupancy patterns and niche partitioning within a diverse carnivore community exposed to anthropogenic pressures. <i>Biological Conservation</i> , 2013, 158, 301-312.	4.1	184

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19	Neonatal mortality of elk driven by climate, predator phenology and predator community composition. <i>Journal of Animal Ecology</i> , 2011, 80, 1246-1257.	2.8	161
20	Energy Landscapes and the Landscape of Fear. <i>Trends in Ecology and Evolution</i> , 2017, 32, 88-96.	8.7	161
21	Sex-specific behavioural responses of elk to spatial and temporal variation in the threat of wolf predation. <i>Animal Behaviour</i> , 2007, 73, 215-225.	1.9	158
22	Time and space in general models of antipredator response: tests with wolves and elk. <i>Animal Behaviour</i> , 2008, 76, 1139-1146.	1.9	154
23	DOMINANCE, AGGRESSION, AND GLUCOCORTICOID LEVELS IN SOCIAL CARNIVORES. <i>Journal of Mammalogy</i> , 2005, 86, 255-264.	1.3	146
24	Six ecological factors that may limit African wild dogs, <i>Lycaon pictus</i> . <i>Animal Conservation</i> , 1998, 1, 1-9.	2.9	139
25	What best explains vigilance in elk: characteristics of prey, predators, or the environment?. <i>Behavioral Ecology</i> , 2008, 19, 245-254.	2.2	122
26	Cooperative hunting and group size: assumptions and currencies. <i>Animal Behaviour</i> , 1997, 54, 1319-1324.	1.9	118
27	Ecological Interactions, Social Organization, and Extinction Risk in African Wild Dogs. <i>Conservation Biology</i> , 1999, 13, 1172-1182.	4.7	116
28	Four Factors Modifying the Effect of Competition on Carnivore Population Dynamics as Illustrated by African Wild Dogs. <i>Conservation Biology</i> , 2001, 15, 271-274.	4.7	115
29	Spatial and temporal avoidance of risk within a large carnivore guild. <i>Ecology and Evolution</i> , 2017, 7, 189-199.	1.9	107
30	The control of risk hypothesis: reactive vs. proactive antipredator responses and stress-mediated vs. food-mediated costs of response. <i>Ecology Letters</i> , 2018, 21, 947-956.	6.4	104
31	A nutritionally mediated risk effect of wolves on elk. <i>Ecology</i> , 2010, 91, 1184-1191.	3.2	96
32	Unravelling complex associations between testosterone and parasite infection in the wild. <i>Functional Ecology</i> , 2012, 26, 123-133.	3.6	91
33	Radiocollaring and Stress Hormones in African Wild Dogs. <i>Conservation Biology</i> , 1997, 11, 544-548.	4.7	87
34	Meta-Analysis of Relationships between Human Offtake, Total Mortality and Population Dynamics of Gray Wolves (<i>Canis lupus</i>). <i>PLoS ONE</i> , 2010, 5, e12918.	2.5	87
35	Aggression, Reproduction, and Androgens in Wild Dwarf Mongooses: A Test of the Challenge Hypothesis. <i>American Naturalist</i> , 1993, 141, 816-825.	2.1	85
36	Toward a predictive theory of risk effects: hypotheses for prey attributes and compensatory mortality. <i>Ecology</i> , 2011, 92, 2190-2195.	3.2	82

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37	Grizzly bear and human interaction in Yellowstone National Park: An evaluation of bear management areas. <i>Journal of Wildlife Management</i> , 2013, 77, 1311-1320.	1.8	76
38	Coexistence of African lions, livestock, and people in a landscape with variable human land use and seasonal movements. <i>Biological Conservation</i> , 2013, 157, 148-154.	4.1	76
39	A Review of Environmental Factors Affecting Elk Winter Diets. <i>Journal of Wildlife Management</i> , 2007, 71, 164-176.	1.8	73
40	Effects of Habitat on Competition Between Kit Foxes and Coyotes. <i>Journal of Wildlife Management</i> , 2007, 71, 1467-1475.	1.8	70
41	Wolf presence and increased willow consumption by Yellowstone elk: implications for trophic cascades. <i>Ecology</i> , 2009, 90, 2454-2466.	3.2	68
42	Spatial grouping in behaviourally solitary striped hyaenas, <i>Hyaena hyaena</i> . <i>Animal Behaviour</i> , 2008, 75, 1131-1142.	1.9	64
43	Developing fencing policies for dryland ecosystems. <i>Journal of Applied Ecology</i> , 2015, 52, 544-551.	4.0	64
44	Spatial and temporal patterns of neutral and adaptive genetic variation in the endangered African wild dog (<i>Lycaon pictus</i>). <i>Molecular Ecology</i> , 2012, 21, 1379-1393.	3.9	63
45	Lion density and population structure in the Selous Game Reserve: evaluation of hunting quotas and offtake. <i>African Journal of Ecology</i> , 1997, 35, 83-93.	0.9	62
46	Risky times and risky places interact to affect prey behaviour. <i>Nature Ecology and Evolution</i> , 2017, 1, 1123-1128.	7.8	60
47	Underestimating the frequency, strength and cost of antipredator responses with data from GPS collars: an example with wolves and elk. <i>Ecology and Evolution</i> , 2013, 3, 5189-5200.	1.9	58
48	The many effects of carnivores on their prey and their implications for trophic cascades, and ecosystem structure and function. <i>Food Webs</i> , 2017, 12, 88-94.	1.2	58
49	African wild dogs. , 2004, , 337-350.		55
50	Deriving dispersal distances from genetic data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 2571-2574.	2.6	53
51	SEROSURVEY FOR SELECTED VIRAL DISEASES AND DEMOGRAPHY OF AFRICAN WILD DOGS IN TANZANIA. <i>Journal of Wildlife Diseases</i> , 1997, 33, 823-832.	0.8	52
52	Assessing the sustainability of African lion trophy hunting, with recommendations for policy. <i>Ecological Applications</i> , 2016, 26, 2347-2357.	3.8	51
53	Risk effects in elk: sex-specific responses in grazing and browsing due to predation risk from wolves. <i>Behavioral Ecology</i> , 2008, 19, 1258-1266.	2.2	50
54	Effects of a protection gradient on carnivore density and survival: an example with leopards in the Luangwa valley, Zambia. <i>Ecology and Evolution</i> , 2016, 6, 3772-3785.	1.9	50

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55	Detecting declines of apex carnivores and evaluating their causes: An example with Zambian lions. <i>Biological Conservation</i> , 2014, 180, 176-186.	4.1	49
56	The relationship between direct predation and antipredator responses: a test with multiple predators and multiple prey. <i>Ecology</i> , 2017, 98, 2081-2092.	3.2	49
57	A survey of the effects of wolf predation risk on pregnancy rates and calf recruitment in elk. , 2011, 21, 2847-2853.		46
58	Wildlife contact analysis: emerging methods, questions, and challenges. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1437-1447.	1.4	44
59	Questionable policy for large carnivore hunting. <i>Science</i> , 2015, 350, 1473-1475.	12.6	43
60	Opposing effects of group size on reproduction and survival in African wild dogs. <i>Behavioral Ecology</i> , 2015, 26, 1414-1422.	2.2	42
61	Effects of kinship on territorial conflicts among groups of lions, <i>Panthera leo</i> . <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 325-331.	1.4	40
62	Elk decision-making rules are simplified in the presence of wolves. <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 277.	1.4	39
63	Ecosystem Scale Declines in Elk Recruitment and Population Growth with Wolf Colonization: A Before-After-Control-Impact Approach. <i>PLoS ONE</i> , 2014, 9, e102330.	2.5	39
64	Patterns of relatedness and parentage in an asocial, polyandrous striped hyena population. <i>Molecular Ecology</i> , 2007, 16, 4356-4369.	3.9	38
65	Ungulate distributions in a rangeland with competitors, predators and pastoralists. <i>Journal of Applied Ecology</i> , 2016, 53, 1066-1077.	4.0	36
66	Changes in African large carnivore diets over the past half-century reveal the loss of large prey. <i>Journal of Applied Ecology</i> , 2018, 55, 2908-2916.	4.0	36
67	Physiological stress responses to natural variation in predation risk: evidence from white sharks and seals. <i>Ecology</i> , 2017, 98, 3199-3210.	3.2	35
68	Glucocorticoid stress responses of lions in relationship to group composition, human land use, and proximity to people. , 2013, 1, cot021-cot021.		34
69	Using DNA from non-invasive samples to identify individuals and census populations: an evidential approach tolerant of genotyping errors. <i>Conservation Genetics</i> , 2006, 7, 319-329.	1.5	27
70	Evaluation of noninvasive genetic sampling methods for cougars in Yellowstone National Park. <i>Journal of Wildlife Management</i> , 2011, 75, 612-622.	1.8	27
71	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
72	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

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73	Spotted hyaena survival and density in a lion depleted ecosystem: The effects of prey availability, humans and competition between large carnivores in African savannahs. <i>Biological Conservation</i> , 2016, 201, 348-355.	4.1	27
74	Density dependence and climate effects in Rocky Mountain elk: an application of regression with instrumental variables for population time series with sampling error. <i>Journal of Animal Ecology</i> , 2009, 78, 1291-1297.	2.8	26
75	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
76	Assessing the performance of index calibration survey methods to monitor populations of wide-ranging low-density carnivores. <i>Ecology and Evolution</i> , 2020, 10, 3276-3292.	1.9	26
77	What explains variation in the strength of behavioral responses to predation risk? A standardized test with large carnivore and ungulate guilds in three ecosystems. <i>Biological Conservation</i> , 2019, 232, 164-172.	4.1	25
78	Effects of grass and browse consumption on the winter mass dynamics of elk. <i>Oecologia</i> , 2009, 158, 603-613.	2.0	23
79	Hunting on a hot day: effects of temperature on interactions between African wild dogs and their prey. <i>Ecology</i> , 2016, 97, 2910-2916.	3.2	21
80	Fecal chlorophyll describes the link between primary production and consumption in a terrestrial herbivore. , 2009, 19, 1323-1335.		18
81	Using pedigree reconstruction to estimate population size: genotypes are more than individually unique marks. <i>Ecology and Evolution</i> , 2013, 3, 1294-1304.	1.9	18
82	Boots on the ground: in defense of low-tech, inexpensive, and robust survey methods for Africa's under-funded protected areas. <i>Biodiversity and Conservation</i> , 2018, 27, 2173-2191.	2.6	17
83	Response of lion demography and dynamics to the loss of preferred larger prey. <i>Ecological Applications</i> , 2021, 31, e02298.	3.8	16
84	Sex ratio of leopards taken in trophy hunting: genetic data from Tanzania. <i>Conservation Genetics</i> , 2000, 1, 169-171.	1.5	15
85	Quantifying lion (<i>Panthera leo</i>) demographic response following a three-year moratorium on trophy hunting. <i>PLoS ONE</i> , 2018, 13, e0197030.	2.5	14
86	Inferential consequences of modeling rather than measuring snow accumulation in studies of animal ecology. , 2013, 23, 643-653.		13
87	Ecological and anthropogenic effects on the density of migratory and resident ungulates in a human-inhabited protected area. <i>African Journal of Ecology</i> , 2017, 55, 618-631.	0.9	13
88	Effects of exposure to large sharks on the abundance and behavior of mobile prey fishes along a temperate coastal gradient. <i>PLoS ONE</i> , 2020, 15, e0230308.	2.5	12
89	Do protection gradients explain patterns in herbivore densities? An example with ungulates in Zambia's Luangwa Valley. <i>PLoS ONE</i> , 2019, 14, e0224438.	2.5	11
90	Testing the effects of anthropogenic pressures on a diverse African herbivore community. <i>Ecosphere</i> , 2020, 11, e03067.	2.2	11

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91	Testing automated howling devices in a wintertime wolf survey. <i>Wildlife Society Bulletin</i> , 2013, 37, 389-393.	1.6	10
92	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
93	Fecal Glucocorticoid Levels of Endangered San Joaquin Kit Foxes (<i>Vulpes macrotis mutica</i>) in Natural and Urban Habitats. <i>Western North American Naturalist</i> , 2015, 75, 52-57.	0.4	10
94	Response of wildebeest (<i>Connochaetes taurinus</i>) movements to spatial variation in long term risks from a complete predator guild. <i>Biological Conservation</i> , 2019, 233, 139-151.	4.1	10
95	Hidden Markov Models reveal a clear human footprint on the movements of highly mobile African wild dogs. <i>Scientific Reports</i> , 2020, 10, 17908.	3.3	10
96	Loss of an apex predator in the wild induces physiological and behavioural changes in prey. <i>Biology Letters</i> , 2022, 18, 20210476.	2.3	10
97	A retrospective view of early research on dominance, stress and reproduction in cooperatively breeding carnivores. <i>Hormones and Behavior</i> , 2022, 140, 105119.	2.1	10
98	A multi-scale assessment of animal aggregation patterns to understand increasing pathogen seroprevalence. <i>Ecosphere</i> , 2014, 5, art138.	2.2	9
99	Four Factors Modifying the Effect of Competition on Carnivore Population Dynamics as Illustrated by African Wild Dogs. <i>Conservation Biology</i> , 2001, 15, 271-274.	4.7	9
100	Carnivores, competition and genetic connectivity in the Anthropocene. <i>Scientific Reports</i> , 2019, 9, 16339.	3.3	8
101	Low apex carnivore density does not release a subordinate competitor when driven by prey depletion. <i>Biological Conservation</i> , 2021, 261, 109273.	4.1	8
102	Six ecological factors that may limit African wild dogs, <i>Lycaon pictus</i> . <i>Animal Conservation</i> , 1998, 01, 1-9.	2.9	8
103	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
104	Leopard (<i>Panthera pardus</i>) density and survival in an ecosystem with depressed abundance of prey and dominant competitors. <i>Oryx</i> , 2022, 56, 518-527.	1.0	6
105	Handling of African Wild Dogs and Chronic Stress: Reply to East et al.. <i>Conservation Biology</i> , 1997, 11, 1454-1456.	4.7	5
106	Juvenile moose stress and nutrition dynamics related to winter ticks, landscape characteristics, climate-mediated factors and survival. , 2021, 9, coab048.		5
107	African wild dog movements show contrasting responses to long and short term risk of encountering lions: analysis using dynamic Brownian bridge movement models. <i>Movement Ecology</i> , 2022, 10, 16.	2.8	4
108	Foraging investment in a long-lived herbivore and vulnerability to coursing and stalking predators. <i>Ecology and Evolution</i> , 2018, 8, 10147-10155.	1.9	3

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109	Larger Carnivores of the African Savannas BY J. DU P. BOTHMA AND CLIVE WALKER. + 274 pp., 25 Å— 18 Å— 2 cm, ISBN 3 54065660 X hardback, US\$80.55, Heidelberg, Germany: Springer-Verlag, 1999. Environmental Conservation, 2000, 27, 312-322.	1.3	0
110	Title is missing!. , 2019, 14, e0224438.		0
111	Title is missing!. , 2019, 14, e0224438.		0
112	Title is missing!. , 2019, 14, e0224438.		0
113	Title is missing!. , 2019, 14, e0224438.		0