Scott Creel

List of Publications by Year
in descending order

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	LeopardPanthera pardusdensity and survival in an ecosystem with depressed abundance of prey and dominant competitors. Oryx, 2022, 56, 518-527.	1.0	6
2	Loss of an apex predator in the wild induces physiological and behavioural changes in prey. Biology Letters, 2022, 18, 20210476.	2.3	10
3	A retrospective view of early research on dominance, stress and reproduction in cooperatively breeding carnivores. Hormones and Behavior, 2022, 140, 105119.	2.1	10
4	African wild dog movements show contrasting responses to long and short term risk of encountering lions: analysis using dynamic Brownian bridge movement models. Movement Ecology, 2022, 10, 16.	2.8	4
5	Response of lion demography and dynamics to the loss of preferred larger prey. Ecological Applications, 2021, 31, e02298.	3.8	16
6	Low apex carnivore density does not release a subordinate competitor when driven by prey depletion. Biological Conservation, 2021, 261, 109273.	4.1	8
7	Juvenile moose stress and nutrition dynamics related to winter ticks, landscape characteristics, climate-mediated factors and survival. , 2021, 9, coab048.		5
8	Hidden Markov Models reveal a clear human footprint on the movements of highly mobile African wild dogs. Scientific Reports, 2020, 10, 17908.	3.3	10
9	Assessing the performance of index calibration survey methods to monitor populations of wideâ€ranging lowâ€density carnivores. Ecology and Evolution, 2020, 10, 3276-3292.	1.9	26
10	Effects of exposure to large sharks on the abundance and behavior of mobile prey fishes along a temperate coastal gradient. PLoS ONE, 2020, 15, e0230308.	2.5	12
11	Testing the effects of anthropogenic pressures on a diverse African herbivore community. Ecosphere, 2020, 11, e03067.	2.2	11
12	Response of wildebeest (Connochaetes taurinus) movements to spatial variation in long term risks from a complete predator guild. Biological Conservation, 2019, 233, 139-151.	4.1	10
13	What explains variation in the strength of behavioral responses to predation risk? A standardized test with large carnivore and ungulate guilds in three ecosystems. Biological Conservation, 2019, 232, 164-172.	4.1	25
14	Do protection gradients explain patterns in herbivore densities? An example with ungulates in Zambiaâ€™s Luangwa Valley. PLoS ONE, 2019, 14, e0224438.	2.5	11
15	Carnivores, competition and genetic connectivity in the Anthropocene. Scientific Reports, 2019, 9, 16339.	3.3	8
16	Title is missing!. , 2019, 14, e0224438.		0
17	Title is missing!. , 2019, 14, e0224438.		0
18	Title is missing!. , 2019, 14, e0224438.		0

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19	Title is missing!. , 2019, 14, e0224438.		0
20	Boots on the ground: in defense of low-tech, inexpensive, and robust survey methods for Africaâ€™s under-funded protected areas. Biodiversity and Conservation, 2018, 27, 2173-2191.	2.6	17
21	Foraging investment in a longâ€lived herbivore and vulnerability to coursing and stalking predators. Ecology and Evolution, 2018, 8, 10147-10155.	1.9	3
22	Changes in African large carnivore diets over the past halfâ€century reveal the loss of large prey. Journal of Applied Ecology, 2018, 55, 2908-2916.	4.0	36
23	Quantifying lion (Panthera leo) demographic response following a three-year moratorium on trophy hunting. PLoS ONE, 2018, 13, e0197030.	2.5	14
24	The control of risk hypothesis: reactive vs. proactive antipredator responses and stressâ€mediated vs. foodâ€mediated costs of response. Ecology Letters, 2018, 21, 947-956.	6.4	104
25	The relationship between direct predation and antipredator responses: a test with multiple predators and multiple prey. Ecology, 2017, 98, 2081-2092.	3.2	49
26	Ecological and anthropogenic effects on the density of migratory and resident ungulates in a humanâ€inhabited protected area. African Journal of Ecology, 2017, 55, 618-631.	0.9	13
27	Spatial and temporal avoidance of risk within a large carnivore guild. Ecology and Evolution, 2017, 7, 189-199.	1.9	107
28	Physiological stress responses to natural variation in predation risk: evidence from white sharks and seals. Ecology, 2017, 98, 3199-3210.	3.2	35
29	Risky times and risky places interact to affect prey behaviour. Nature Ecology and Evolution, 2017, 1, 1123-1128.	7.8	60
30	Energy Landscapes and the Landscape of Fear. Trends in Ecology and Evolution, 2017, 32, 88-96.	8.7	161
31	The many effects of carnivores on their prey and their implications for trophic cascades, and ecosystem structure and function. Food Webs, 2017, 12, 88-94.	1.2	58
32	Assessing the sustainability of African lion trophy hunting, with recommendations for policy. Ecological Applications, 2016, 26, 2347-2357.	3.8	51
33	Hunting on a hot day: effects of temperature on interactions between African wild dogs and their prey. Ecology, 2016, 97, 2910-2916.	3.2	21
34	Spotted hyaena survival and density in a lion depleted ecosystem: The effects of prey availability, humans and competition between large carnivores in African savannahs. Biological Conservation, 2016, 201, 348-355.	4.1	27
35	Ungulate distributions in a rangeland with competitors, predators and pastoralists. Journal of Applied Ecology, 2016, 53, 1066-1077.	4.0	36
36	Effects of a protection gradient on carnivore density and survival: an example with leopards in the Luangwa valley, Zambia. Ecology and Evolution, 2016, 6, 3772-3785.	1.9	50

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37	Influences of supplemental feeding on winter elk calf:cow ratios in the southern Greater Yellowstone Ecosystem. Journal of Wildlife Management, 2015, 79, 887-897.	1.8	7
38	Managing more than the mean: using quantile regression to identify factors related to large elk groups. Journal of Applied Ecology, 2015, 52, 1656-1664.	4.0	26
39	Questionable policy for large carnivore hunting. Science, 2015, 350, 1473-1475.	12.6	43
40	Fecal Glucocorticoid Levels of Endangered San Joaquin Kit Foxes (Vulpes macrotis mutica) in Natural and Urban Habitats. Western North American Naturalist, 2015, 75, 52-57.	0.4	10
41	Opposing effects of group size on reproduction and survival in African wild dogs. Behavioral Ecology, 2015, 26, 1414-1422.	2.2	42
42	Developing fencing policies for dryland ecosystems. Journal of Applied Ecology, 2015, 52, 544-551.	4.0	64
43	Ecosystem Scale Declines in Elk Recruitment and Population Growth with Wolf Colonization: A Before-After-Control-Impact Approach. PLoS ONE, 2014, 9, e102330.	2.5	39
44	A multi-scale assessment of animal aggregation patterns to understand increasing pathogen seroprevalence. Ecosphere, 2014, 5, art138.	2.2	9
45	Limitations to estimating bacterial crossâ€ŝpecies transmission using genetic and genomic markers: inferences from simulation modeling. Evolutionary Applications, 2014, 7, 774-787.	3.1	10
46	Effects of predation risk on group size, vigilance, and foraging behavior in an African ungulate community. Behavioral Ecology, 2014, 25, 773-784.	2.2	213
47	Detecting declines of apex carnivores and evaluating their causes: An example with Zambian lions. Biological Conservation, 2014, 180, 176-186.	4.1	49
48	The ecology of stress: effects of the social environment. Functional Ecology, 2013, 27, 66-80.	3.6	372
49	Grizzly bear and human interaction in Yellowstone National Park: An evaluation of bear management areas. Journal of Wildlife Management, 2013, 77, 1311-1320.	1.8	76
50	Underestimating the frequency, strength and cost of antipredator responses with data from <scp>GPS</scp> collars: an example with wolves and elk. Ecology and Evolution, 2013, 3, 5189-5200.	1.9	58
51	Occupancy patterns and niche partitioning within a diverse carnivore community exposed to anthropogenic pressures. Biological Conservation, 2013, 158, 301-312.	4.1	184
52	Coexistence of African lions, livestock, and people in a landscape with variable human land use and seasonal movements. Biological Conservation, 2013, 157, 148-154.	4.1	76
53	Glucocorticoid stress responses of lions in relationship to group composition, human land use, and proximity to people. , 2013, 1, cot021-cot021.		34
54	Using pedigree reconstruction to estimate population size: genotypes are more than individually unique marks. Ecology and Evolution, 2013, 3, 1294-1304.	1.9	18

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55	Testing automated howling devices in a wintertime wolf survey. Wildlife Society Bulletin, 2013, 37, 389-393.	1.6	10
56	Inferential consequences of modeling rather than measuring snow accumulation in studies of animal ecology. , 2013, 23, 643-653.		13
57	Wildlife contact analysis: emerging methods, questions, and challenges. Behavioral Ecology and Sociobiology, 2012, 66, 1437-1447.	1.4	44
58	Effects of supplemental feeding and aggregation on fecal glucocorticoid metabolite concentrations in elk. Journal of Wildlife Management, 2012, 76, 694-702.	1.8	27
59	Effects of lowâ€density feeding on elkâ€“fetus contact rates on Wyoming feedgrounds. Journal of Wildlife Management, 2012, 76, 877-886.	1.8	27
60	Unravelling complex associations between testosterone and parasite infection in the wild. Functional Ecology, 2012, 26, 123-133.	3.6	91
61	Spatial and temporal patterns of neutral and adaptive genetic variation in the endangered African wild dog (Lycaon pictus). Molecular Ecology, 2012, 21, 1379-1393.	3.9	63
62	A survey of the effects of wolf predation risk on pregnancy rates and calf recruitment in elk. , 2011, 21, 2847-2853.		46
63	Neonatal mortality of elk driven by climate, predator phenology and predator community composition. Journal of Animal Ecology, 2011, 80, 1246-1257.	2.8	161
64	Inclusive fitness theory and eusociality. Nature, 2011, 471, E1-E4.	27.8	339
65	Evaluation of noninvasive genetic sampling methods for cougars in Yellowstone National Park. Journal of Wildlife Management, 2011, 75, 612-622.	1.8	27
66	Toward a predictive theory of risk effects: hypotheses for prey attributes and compensatory mortality. Ecology, 2011, 92, 2190-2195.	3.2	82
67	A nutritionally mediated risk effect of wolves on elk. Ecology, 2010, 91, 1184-1191.	3.2	96
68	Meta-Analysis of Relationships between Human Offtake, Total Mortality and Population Dynamics of Gray Wolves (Canis lupus). PLoS ONE, 2010, 5, e12918.	2.5	87
69	Glucocorticoid stress hormones and the effect of predation risk on elk reproduction. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12388-12393.	7.1	197
70	Effects of grass and browse consumption on the winter mass dynamics of elk. Oecologia, 2009, 158, 603-613.	2.0	23
71	Density dependence and climate effects in Rocky Mountain elk: an application of regression with instrumental variables for population time series with sampling error. Journal of Animal Ecology, 2009, 78, 1291-1297.	2.8	26
72	Wolf presence and increased willow consumption by Yellowstone elk: implications for trophic cascades. Ecology, 2009, 90, 2454-2466.	3.2	68

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73	Fecal chlorophyll describes the link between primary production and consumption in a terrestrial herbivore. , 2009, 19, 1323-1335.		18
74	Spatial grouping in behaviourally solitary striped hyaenas, Hyaena hyaena. Animal Behaviour, 2008, 75, 1131-1142.	1.9	64
75	Time and space in general models of antipredator response: tests with wolves and elk. Animal Behaviour, 2008, 76, 1139-1146.	1.9	154
76	Relationships between direct predation and risk effects. Trends in Ecology and Evolution, 2008, 23, 194-201.	8.7	850
77	What best explains vigilance in elk: characteristics of prey, predators, or the environment?. Behavioral Ecology, 2008, 19, 245-254.	2.2	122
78	Risk effects in elk: sex-specific responses in grazing and browsing due to predation risk from wolves. Behavioral Ecology, 2008, 19, 1258-1266.	2.2	50
79	Predation Risk Affects Reproductive Physiology and Demography of Elk. Science, 2007, 315, 960-960.	12.6	473
80	A Review of Environmental Factors Affecting Elk Winter Diets. Journal of Wildlife Management, 2007, 71, 164-176.	1.8	73
81	Patterns of relatedness and parentage in an asocial, polyandrous striped hyena population. Molecular Ecology, 2007, 16, 4356-4369.	3.9	38
82	Effects of Habitat on Competition Between Kit Foxes and Coyotes. Journal of Wildlife Management, 2007, 71, 1467-1475.	1.8	70
83	Sex-specific behavioural responses of elk to spatial and temporal variation in the threat of wolf predation. Animal Behaviour, 2007, 73, 215-225.	1.9	158
84	Using DNA from non-invasive samples to identify individuals and census populations: an evidential approach tolerant of genotyping errors. Conservation Genetics, 2006, 7, 319-329.	1.5	27
85	Elk decision-making rules are simplified in the presence of wolves. Behavioral Ecology and Sociobiology, 2006, 61, 277.	1.4	39
86	Responses of elk herd size to fine-scale spatial and temporal variation in the risk of predation by wolves. Animal Behaviour, 2005, 69, 1181-1189.	1.9	265
87	DOMINANCE, AGGRESSION, AND GLUCOCORTICOID LEVELS IN SOCIAL CARNIVORES. Journal of Mammalogy, 2005, 86, 255-264.	1.3	146
88	ELK ALTER HABITAT SELECTION AS AN ANTIPREDATOR RESPONSE TO WOLVES. Ecology, 2005, 86, 3387-3397.	3.2	573
89	Social dominance, aggression and faecal glucocorticoid levels in a wild population of wolves, Canis lupus. Animal Behaviour, 2004, 67, 387-396.	1.9	195
90	Effects of kinship on territorial conflicts among groups of lions, Panthera leo. Behavioral Ecology and Sociobiology, 2004, 55, 325-331.	1.4	40

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91	African wild dogs. , 2004, , 337-350.		55
92	Population size estimation in Yellowstone wolves with errorâ€prone noninvasive microsatellite genotypes. Molecular Ecology, 2003, 12, 2003-2009.	3.9	245
93	Snowmobile Activity and Glucocorticoid Stress Responses in Wolves and Elk. Conservation Biology, 2002, 16, 809-814.	4.7	335
94	Social dominance and stress hormones. Trends in Ecology and Evolution, 2001, 16, 491-497.	8.7	644
95	Four Factors Modifying the Effect of Competition on Carnivore Population Dynamics as Illustrated by African Wild Dogs. Conservation Biology, 2001, 15, 271-274.	4.7	115
96	Deriving dispersal distances from genetic data. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2571-2574.	2.6	53
97	Four Factors Modifying the Effect of Competition on Carnivore Population Dynamics as Illustrated by African Wild Dogs. Conservation Biology, 2001, 15, 271-274.	4.7	9
98	Sex ratio of leopards taken in trophy hunting: genetic data from Tanzania. Conservation Genetics, 2000, 1, 169-171.	1.5	15
99	Larger Carnivores of the African Savannas BY J. DU P BOTHMA AND CLIVE WALKERix + 274 pp., 25 Ã— 18 Ã— 2 cm, ISBN 3 54065660 X hardback, US$80.55, Heidelberg, Germany: Springer-Verlag, 1999. Environmental Conservation, 2000, 27, 312-322.	1.3	0
100	Ecological Interactions, Social Organization, and Extinction Risk in African Wild Dogs. Conservation Biology, 1999, 13, 1172-1182.	4.7	116
101	Six ecological factors that may limit African wild dogs, Lycaon pictus. Animal Conservation, 1998, 1, 1-9.	2.9	139
102	Six ecological factors that may limit African wild dogs, Lycaon pictus. Animal Conservation, 1998, 01, 1-9.	2.9	8
103	SEROSURVEY FOR SELECTED VIRAL DISEASES AND DEMOGRAPHY OF AFRICAN WILD DOGS IN TANZANIA. Journal of Wildlife Diseases, 1997, 33, 823-832.	0.8	52
104	Rank and reproduction in cooperatively breeding African wild dogs: behavioral and endocrine correlates. Behavioral Ecology, 1997, 8, 298-306.	2.2	301
105	Lion density and population structure in the Selous Game Reserve: evaluation of hunting quotas and offtake. African Journal of Ecology, 1997, 35, 83-93.	0.9	62
106	Cooperative hunting and group size: assumptions and currencies. Animal Behaviour, 1997, 54, 1319-1324.	1.9	118
107	Handling of African Wild Dogs and Chronic Stress: Reply to East et al.. Conservation Biology, 1997, 11, 1454-1456.	4.7	5
108	Radiocollaring and Stress Hormones in African Wild Dogs. Conservation Biology, 1997, 11, 544-548.	4.7	87

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109	Limitation of African Wild Dogs by Competition with Larger Carnivores. Conservation Biology, 1996, 10, 526-538.	4.7	327
110	Social stress and dominance. Nature, 1996, 379, 212-212.	27.8	217
111	Communal hunting and pack size in African wild dogs, Lycaon pictus. Animal Behaviour, 1995, 50, 1325-1339.	1.9	552
112	Aggression, Reproduction, and Androgens in Wild Dwarf Mongooses: A Test of the Challenge Hypothesis. American Naturalist, 1993, 141, 816-825.	2.1	85
113	Behavioural and endocrine mechanisms of reproductive suppression in Serenge dwarf mongooses. Animal Behaviour, 1992, 43, 231-245.	1.9	184