## **Craig Packer**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Future threats to biodiversity and pathways to their prevention. Nature, 2017, 546, 73-81.	27.8	736
2	A canine distemper virus epidemic in Serengeti lions (Panthera leo). Nature, 1996, 379, 441-445.	27.8	671
3	Automatically identifying, counting, and describing wild animals in camera-trap images with deep learning. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5716-E5725.	7.1	630
4	Roaring and numerical assessment in contests between groups of female lions, Panthera leo. Animal Behaviour, 1994, 47, 379-387.	1.9	530
5	The Evolution of Cooperative Hunting. American Naturalist, 1988, 132, 159-198.	2.1	440
6	Planning for success: Serengeti lions seek prey accessibility rather than abundance. Journal of Animal Ecology, 2005, 74, 559-566.	2.8	423
7	Reproductive cessation in female mammals. Nature, 1998, 392, 807-811.	27.8	367
8	Keeping the herds healthy and alert: implications of predator control for infectious disease. Ecology Letters, 2003, 6, 797-802.	6.4	357
9	Snapshot Serengeti, high-frequency annotated camera trap images of 40 mammalian species in an African savanna. Scientific Data, 2015, 2, 150026.	5.3	318
10	Sexual Selection, Temperature, and the Lion's Mane. Science, 2002, 297, 1339-1343.	12.6	264
11	Lion ( <i>Panthera leo</i> ) populations are declining rapidly across Africa, except in intensively managed areas. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14894-14899.	7.1	264
12	Adaptations of Female Lions to Infanticide by Incoming Males. American Naturalist, 1983, 121, 716-728.	2.1	258
13	Group territoriality and the benefits of sociality in the African lion, Panthera leo. Animal Behaviour, 2009, 78, 359-370.	1.9	232
14	Cooperation in male lions: kinship, reciprocity or mutualism?. Animal Behaviour, 1995, 49, 95-105.	1.9	225
15	The Evolution of Sex-Biased Dispersal in Lions. Behaviour, 1987, 101, 275-310.	0.8	220
16	Ecological Change, Group Territoriality, and Population Dynamics in Serengeti Lions. Science, 2005, 307, 390-393.	12.6	199
17	A generalized approach for producing, quantifying, and validating citizen science data from wildlife images. Conservation Biology, 2016, 30, 520-531.	4.7	198
18	Lion attacks on humans in Tanzania. Nature, 2005, 436, 927-928.	27.8	187

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19	Group formation stabilizes predator–prey dynamics. Nature, 2007, 449, 1041-1043.	27.8	185
20	The aging baboon: Comparative demography in a non-human primate. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9591-9595.	7.1	181
21	Sustainable trophy hunting of African lions. Nature, 2004, 428, 175-178.	27.8	179
22	Climate Extremes Promote Fatal Co-Infections during Canine Distemper Epidemics in African Lions. PLoS ONE, 2008, 3, e2545.	2.5	175
23	Sport Hunting, Predator Control and Conservation of Large Carnivores. PLoS ONE, 2009, 4, e5941.	2.5	159
24	Dynamics of a morbillivirus at the domestic–wildlife interface: Canine distemper virus in domestic dogs and lions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1464-1469.	7.1	128
25	Cheetahs and wild dogs show contrasting patterns of suppression by lions. Journal of Animal Ecology, 2014, 83, 1418-1427.	2.8	123
26	Serengeti real estate: density vs. fitnessâ€based indicators of lion habitat quality. Ecology Letters, 2009, 12, 1050-1060.	6.4	117
27	Resource Management Cycles and the Sustainability of Harvested Wildlife Populations. Science, 2010, 328, 903-906.	12.6	106
28	Fear of Darkness, the Full Moon and the Nocturnal Ecology of African Lions. PLoS ONE, 2011, 6, e22285.	2.5	100
29	The Evolutionary Dynamics of the Lion Panthera leo Revealed by Host and Viral Population Genomics. PLoS Genetics, 2008, 4, e1000251.	3.5	91
30	Top–down population regulation of a top predator: lions in the Ngorongoro Crater. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1867-1874.	2.6	86
31	Applying a random encounter model to estimate lion density from camera traps in Serengeti National Park, Tanzania. Journal of Wildlife Management, 2015, 79, 1014-1021.	1.8	86
32	In the absence of a "landscape of fear― How lions, hyenas, and cheetahs coexist. Ecology and Evolution, 2016, 6, 8534-8545.	1.9	84
33	Male takeovers and female reproductive parameters: A simulation of oestrous synchrony in lions (Panthera leo). Animal Behaviour, 1983, 31, 334-340.	1.9	81
34	Distinguishing epidemic waves from disease spillover in a wildlife population. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1777-1785.	2.6	80
35	Evaluating relative abundance indices for terrestrial herbivores from largeâ€scale camera trap surveys. African Journal of Ecology, 2018, 56, 791-803.	0.9	70
36	Optimal group size, dispersal decisions and postdispersal relationships in female African lions. Animal Behaviour, 2009, 77, 949-954.	1.9	67

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37	The spatial distribution of African savannah herbivores: species associations and habitat occupancy in a landscape context. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150314.	4.0	63
38	Household livelihoods and conflict with wildlife in community-based conservation areas across northern Tanzania. Oryx, 2016, 50, 702-712.	1.0	52
39	The diversity of population responses to environmental change. Ecology Letters, 2019, 22, 342-353.	6.4	52
40	INBREEDING DEPRESSION INCREASES SUSCEPTIBILITY TO BOVINE TUBERCULOSIS IN LIONS: AN EXPERIMENTAL TEST USING AN INBRED–OUTBRED CONTRAST THROUGH TRANSLOCATION. Journal of Wildlife Diseases, 2011, 47, 494-500.	0.8	46
41	Evaluating empirical contact networks as potential transmission pathways for infectious diseases. Journal of the Royal Society Interface, 2016, 13, 20160166.	3.4	41
42	The long lives of primates and the â€~invariant rate of ageing' hypothesis. Nature Communications, 2021, 12, 3666.	12.8	40
43	How to make more from exposure data? An integrated machine learning pipeline to predict pathogen exposure. Journal of Animal Ecology, 2019, 88, 1447-1461.	2.8	33
44	Should a lion change its spots?. Nature, 1993, 362, 595-595.	27.8	32
45	Infanticide Is No Fallacy. American Anthropologist, 2000, 102, 829-831.	1.4	32
46	Desert-adapted lions on communal land: Surveying the costs incurred by, and perspectives of, communal-area livestock owners in northwest Namibia. Biological Conservation, 2019, 236, 496-504.	4.1	30
47	A pan-African spatial assessment of human conflicts with lions and elephants. Nature Communications, 2021, 12, 2978.	12.8	29
48	FIV diversity: FIVPle subtype composition may influence disease outcome in African lions. Veterinary Immunology and Immunopathology, 2011, 143, 338-346.	1.2	27
49	Transmission ecology of canine parvovirus in a multi-host, multi-pathogen system. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182772.	2.6	26
50	Bayesian estimates of male and female African lion mortality for future use in population management. Journal of Applied Ecology, 2016, 53, 295-304.	4.0	25
51	Human and Ecological Risk Factors for Unprovoked Lion Attacks on Humans in Southeastern Tanzania. Human Dimensions of Wildlife, 2010, 15, 315-331.	1.8	24
52	Speciesâ€specific spatiotemporal patterns of leopard, lion and tiger attacks on humans. Journal of Applied Ecology, 2019, 56, 585-593.	4.0	24
53	The impact of burning on lion Panthera leo habitat choice in an African savanna. Environmental Epigenetics, 2013, 59, 335-339.	1.8	23
54	Linking social and spatial networks to viral community phylogenetics reveals subtypeâ€specific transmission dynamics in African lions. Journal of Animal Ecology, 2017, 86, 1469-1482.	2.8	22

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55	The effect of bushmeat consumption on migratory wildlife in the Serengeti ecosystem, Tanzania. Oryx, 2015, 49, 287-294.	1.0	21
56	Mixedâ€species groups of Serengeti grazers: a test of the stress gradient hypothesis. Ecology, 2020, 101, e03163.	3.2	21
57	Crossâ€species transmission and evolutionary dynamics of canine distemper virus during a spillover in African lions of Serengeti National Park. Molecular Ecology, 2020, 29, 4308-4321.	3.9	18
58	Landscape heterogeneity and behavioral traits drive the evolution of lion group territoriality. Behavioral Ecology, 2015, 26, 1051-1059.	2.2	17
59	Estimating wildlife disease dynamics in complex systems using an Approximate Bayesian Computation framework. Ecological Applications, 2016, 26, 295-308.	3.8	17
60	Using landscape characteristics to predict risk of lion attacks on humans in south-eastern Tanzania. African Journal of Ecology, 2014, 52, 524-532.	0.9	16
61	Aging traits and sustainable trophy hunting of African lions. Biological Conservation, 2016, 201, 160-168.	4.1	15
62	Endemic infection can shape exposure to novel pathogens: Pathogen coâ€occurrence networks in the Serengeti lions. Ecology Letters, 2019, 22, 904-913.	6.4	14
63	Genetic rescue of an isolated African lion population. Conservation Genetics, 2020, 21, 41-53.	1.5	14
64	Reactive anti-predator behavioral strategy shaped by predator characteristics. PLoS ONE, 2021, 16, e0256147.	2.5	14
65	Snapshot Safari: A large-scale collaborative to monitor Africa's remarkable biodiversity. South African Journal of Science, 2021, 117, .	0.7	13
66	Group density, disease, and season shape territory size and overlap of social carnivores. Journal of Animal Ecology, 2021, 90, 87-101.	2.8	12
67	A sideways look at conservation and consistency in tourism policy. Conservation Biology, 2018, 32, 744-746.	4.7	11
68	QUANTIFYING THE SEVERITY OF GIRAFFE SKIN DISEASE VIA PHOTOGRAMMETRY ANALYSIS OF CAMERA TRAP DATA. Journal of Wildlife Diseases, 2019, 55, 770.	0.8	11
69	Persistence and local extinction of lion prides in the Ngorongoro Crater, Tanzania. Population Ecology, 2010, 52, 103-111.	1.2	10
70	Hierarchy of fear: experimentally testing ungulate reactions to lion, African wild dog and cheetah. Behavioral Ecology, 2022, 33, 789-797.	2.2	10
71	Did the elephant and giraffe mediate change in the prevalence of palatable species in an East African Acacia woodland?. Journal of Tropical Ecology, 2015, 31, 1-12.	1.1	9
72	Giraffe bed and breakfast: Camera traps reveal Tanzanian yellowâ€billed oxpeckers roosting on their large mammalian hosts. African Journal of Ecology, 2018, 56, 882-884.	0.9	9

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73	Lion population dynamics: do nomadic males matter?. Behavioral Ecology, 2018, 29, 660-666.	2.2	9
74	The African Lion: A Long History of Interdisciplinary Research. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	9
75	Identifying Candidate Genetic Markers of CDV Cross-Species Pathogenicity in African Lions. Pathogens, 2020, 9, 872.	2.8	9
76	Science and the Recreational Hunting of Lions. , 0, , 108-124.		8
77	How "science―can facilitate the politicization of charismatic megafauna counts. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2203244119.	7.1	8
78	Dead or gone? Bayesian inference on mortality for the dispersing sex. Ecology and Evolution, 2016, 6, 4910-4923.	1.9	7
79	Reply to Riggio et al.: Ongoing lion declines across most of Africa warrant urgent action. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E109-E109.	7.1	7
80	Citizen science, computing, and conservation: How can "Crowd Al―change the way we tackle large-scale ecological challenges?. Human Computation, 2021, 8, 54-75.	1.4	6
81	The use of contraceptive techniques in managed wild African lion (Panthera leo) populations to mimic open system cub recruitment. Wildlife Research, 2019, 46, 398.	1.4	6
82	Reconciling corruption with conservation triage: Should investments shift from the last best places?. PLoS Biology, 2018, 16, e2005620.	5.6	5
83	Novel smacoviruses identified in the faeces of two wild felids: North American bobcat and African lion. Archives of Virology, 2019, 164, 2395-2399.	2.1	5
84	Does pregnancy coloration reduce female conspecific aggression in the presence of maternal kin?. Animal Behaviour, 2015, 108, 199-206.	1.9	4
85	Differentiated payments for ecosystem services based on estimated prey consumption by lions within communal conservancies in northwest Namibia. Ecosystem Services, 2022, 53, 101403.	5.4	3
86	Oxytocin promotes social proximity and decreases vigilance in groups of African lions. IScience, 2022, 25, 104049.	4.1	3
87	Unfair anonymity. Nature, 1989, 340, 10-10.	27.8	2
88	Baboon fertility and social status. Nature, 1995, 377, 689-690.	27.8	2
89	Contrasting levels of social distancing between the sexes in lions. IScience, 2021, 24, 102406.	4.1	2
90	QUANTIFYING THE SEVERITY OF GIRAFFE SKIN DISEASE VIA PHOTOGRAMMETRY ANALYSIS OF CAMERA TRAP DATA. Journal of Wildlife Diseases, 2019, 55, 770-781.	0.8	2

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91	Lions. Current Biology, 2010, 20, R590-R591.	3.9	1
92	A Bit of Texas in Florida. Science, 2010, 329, 1606-1607.	12.6	1