

Craig Packer

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

9,645
citations

76196

40
h-index

42291

92
g-index

95
all docs

95
docs citations

95
times ranked

9093
citing authors

#	ARTICLE	IF	CITATIONS
1	Future threats to biodiversity and pathways to their prevention. <i>Nature</i> , 2017, 546, 73-81.	13.7	736
2	A canine distemper virus epidemic in Serengeti lions (<i>Panthera leo</i>). <i>Nature</i> , 1996, 379, 441-445.	13.7	671
3	Automatically identifying, counting, and describing wild animals in camera-trap images with deep learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5716-E5725.	3.3	630
4	Roaring and numerical assessment in contests between groups of female lions, <i>Panthera leo</i> . <i>Animal Behaviour</i> , 1994, 47, 379-387.	0.8	530
5	The Evolution of Cooperative Hunting. <i>American Naturalist</i> , 1988, 132, 159-198.	1.0	440
6	Planning for success: Serengeti lions seek prey accessibility rather than abundance. <i>Journal of Animal Ecology</i> , 2005, 74, 559-566.	1.3	423
7	Reproductive cessation in female mammals. <i>Nature</i> , 1998, 392, 807-811.	13.7	367
8	Keeping the herds healthy and alert: implications of predator control for infectious disease. <i>Ecology Letters</i> , 2003, 6, 797-802.	3.0	357
9	Snapshot Serengeti, high-frequency annotated camera trap images of 40 mammalian species in an African savanna. <i>Scientific Data</i> , 2015, 2, 150026.	2.4	318
10	Sexual Selection, Temperature, and the Lion's Mane. <i>Science</i> , 2002, 297, 1339-1343.	6.0	264
11	Lion (<i>Panthera leo</i>) populations are declining rapidly across Africa, except in intensively managed areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14894-14899.	3.3	264
12	Adaptations of Female Lions to Infanticide by Incoming Males. <i>American Naturalist</i> , 1983, 121, 716-728.	1.0	258
13	Group territoriality and the benefits of sociality in the African lion, <i>Panthera leo</i> . <i>Animal Behaviour</i> , 2009, 78, 359-370.	0.8	232
14	Cooperation in male lions: kinship, reciprocity or mutualism?. <i>Animal Behaviour</i> , 1995, 49, 95-105.	0.8	225
15	The Evolution of Sex-Biased Dispersal in Lions. <i>Behaviour</i> , 1987, 101, 275-310.	0.4	220
16	Ecological Change, Group Territoriality, and Population Dynamics in Serengeti Lions. <i>Science</i> , 2005, 307, 390-393.	6.0	199
17	A generalized approach for producing, quantifying, and validating citizen science data from wildlife images. <i>Conservation Biology</i> , 2016, 30, 520-531.	2.4	198
18	Lion attacks on humans in Tanzania. <i>Nature</i> , 2005, 436, 927-928.	13.7	187

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19	Group formation stabilizes predator–prey dynamics. <i>Nature</i> , 2007, 449, 1041-1043.	13.7	185
20	The aging baboon: Comparative demography in a non-human primate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9591-9595.	3.3	181
21	Sustainable trophy hunting of African lions. <i>Nature</i> , 2004, 428, 175-178.	13.7	179
22	Climate Extremes Promote Fatal Co-Infections during Canine Distemper Epidemics in African Lions. <i>PLoS ONE</i> , 2008, 3, e2545.	1.1	175
23	Sport Hunting, Predator Control and Conservation of Large Carnivores. <i>PLoS ONE</i> , 2009, 4, e5941.	1.1	159
24	Dynamics of a morbillivirus at the domestic–wildlife interface: Canine distemper virus in domestic dogs and lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1464-1469.	3.3	128
25	Cheetahs and wild dogs show contrasting patterns of suppression by lions. <i>Journal of Animal Ecology</i> , 2014, 83, 1418-1427.	1.3	123
26	Serengeti real estate: density vs. fitness-based indicators of lion habitat quality. <i>Ecology Letters</i> , 2009, 12, 1050-1060.	3.0	117
27	Resource Management Cycles and the Sustainability of Harvested Wildlife Populations. <i>Science</i> , 2010, 328, 903-906.	6.0	106
28	Fear of Darkness, the Full Moon and the Nocturnal Ecology of African Lions. <i>PLoS ONE</i> , 2011, 6, e22285.	1.1	100
29	The Evolutionary Dynamics of the Lion <i>Panthera leo</i> Revealed by Host and Viral Population Genomics. <i>PLoS Genetics</i> , 2008, 4, e1000251.	1.5	91
30	Top-down population regulation of a top predator: lions in the Ngorongoro Crater. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1867-1874.	1.2	86
31	Applying a random encounter model to estimate lion density from camera traps in Serengeti National Park, Tanzania. <i>Journal of Wildlife Management</i> , 2015, 79, 1014-1021.	0.7	86
32	In the absence of a ‘landscape of fear’ How lions, hyenas, and cheetahs coexist. <i>Ecology and Evolution</i> , 2016, 6, 8534-8545.	0.8	84
33	Male takeovers and female reproductive parameters: A simulation of oestrous synchrony in lions (<i>Panthera leo</i>). <i>Animal Behaviour</i> , 1983, 31, 334-340.	0.8	81
34	Distinguishing epidemic waves from disease spillover in a wildlife population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 1777-1785.	1.2	80
35	Evaluating relative abundance indices for terrestrial herbivores from large-scale camera trap surveys. <i>African Journal of Ecology</i> , 2018, 56, 791-803.	0.4	70
36	Optimal group size, dispersal decisions and postdispersal relationships in female African lions. <i>Animal Behaviour</i> , 2009, 77, 949-954.	0.8	67

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37	The spatial distribution of African savannah herbivores: species associations and habitat occupancy in a landscape context. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150314.	1.8	63
38	Household livelihoods and conflict with wildlife in community-based conservation areas across northern Tanzania. <i>Oryx</i> , 2016, 50, 702-712.	0.5	52
39	The diversity of population responses to environmental change. <i>Ecology Letters</i> , 2019, 22, 342-353.	3.0	52
40	INBREEDING DEPRESSION INCREASES SUSCEPTIBILITY TO BOVINE TUBERCULOSIS IN LIONS: AN EXPERIMENTAL TEST USING AN INBREDâ€“OUTBRED CONTRAST THROUGH TRANSLOCATION. <i>Journal of Wildlife Diseases</i> , 2011, 47, 494-500.	0.3	46
41	Evaluating empirical contact networks as potential transmission pathways for infectious diseases. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160166.	1.5	41
42	The long lives of primates and the â€“invariant rate of ageingâ€™ hypothesis. <i>Nature Communications</i> , 2021, 12, 3666.	5.8	40
43	How to make more from exposure data? An integrated machine learning pipeline to predict pathogen exposure. <i>Journal of Animal Ecology</i> , 2019, 88, 1447-1461.	1.3	33
44	Should a lion change its spots?. <i>Nature</i> , 1993, 362, 595-595.	13.7	32
45	Infanticide Is No Fallacy. <i>American Anthropologist</i> , 2000, 102, 829-831.	0.7	32
46	Desert-adapted lions on communal land: Surveying the costs incurred by, and perspectives of, communal-area livestock owners in northwest Namibia. <i>Biological Conservation</i> , 2019, 236, 496-504.	1.9	30
47	A pan-African spatial assessment of human conflicts with lions and elephants. <i>Nature Communications</i> , 2021, 12, 2978.	5.8	29
48	FIV diversity: FIV _{pl} subtype composition may influence disease outcome in African lions. <i>Veterinary Immunology and Immunopathology</i> , 2011, 143, 338-346.	0.5	27
49	Transmission ecology of canine parvovirus in a multi-host, multi-pathogen system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182772.	1.2	26
50	Bayesian estimates of male and female African lion mortality for future use in population management. <i>Journal of Applied Ecology</i> , 2016, 53, 295-304.	1.9	25
51	Human and Ecological Risk Factors for Unprovoked Lion Attacks on Humans in Southeastern Tanzania. <i>Human Dimensions of Wildlife</i> , 2010, 15, 315-331.	1.0	24
52	Speciesâ€“specific spatiotemporal patterns of leopard, lion and tiger attacks on humans. <i>Journal of Applied Ecology</i> , 2019, 56, 585-593.	1.9	24
53	The impact of burning on lion <i>Panthera leo</i> habitat choice in an African savanna. <i>Environmental Epigenetics</i> , 2013, 59, 335-339.	0.9	23
54	Linking social and spatial networks to viral community phylogenetics reveals subtypeâ€“specific transmission dynamics in African lions. <i>Journal of Animal Ecology</i> , 2017, 86, 1469-1482.	1.3	22

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55	The effect of bushmeat consumption on migratory wildlife in the Serengeti ecosystem, Tanzania. <i>Oryx</i> , 2015, 49, 287-294.	0.5	21
56	Mixed-species groups of Serengeti grazers: a test of the stress gradient hypothesis. <i>Ecology</i> , 2020, 101, e03163.	1.5	21
57	Cross-species transmission and evolutionary dynamics of canine distemper virus during a spillover in African lions of Serengeti National Park. <i>Molecular Ecology</i> , 2020, 29, 4308-4321.	2.0	18
58	Landscape heterogeneity and behavioral traits drive the evolution of lion group territoriality. <i>Behavioral Ecology</i> , 2015, 26, 1051-1059.	1.0	17
59	Estimating wildlife disease dynamics in complex systems using an Approximate Bayesian Computation framework. <i>Ecological Applications</i> , 2016, 26, 295-308.	1.8	17
60	Using landscape characteristics to predict risk of lion attacks on humans in south-eastern Tanzania. <i>African Journal of Ecology</i> , 2014, 52, 524-532.	0.4	16
61	Aging traits and sustainable trophy hunting of African lions. <i>Biological Conservation</i> , 2016, 201, 160-168.	1.9	15
62	Endemic infection can shape exposure to novel pathogens: Pathogen co-occurrence networks in the Serengeti lions. <i>Ecology Letters</i> , 2019, 22, 904-913.	3.0	14
63	Genetic rescue of an isolated African lion population. <i>Conservation Genetics</i> , 2020, 21, 41-53.	0.8	14
64	Reactive anti-predator behavioral strategy shaped by predator characteristics. <i>PLoS ONE</i> , 2021, 16, e0256147.	1.1	14
65	Snapshot Safari: A large-scale collaborative to monitor Africa's remarkable biodiversity. <i>South African Journal of Science</i> , 2021, 117, .	0.3	13
66	Group density, disease, and season shape territory size and overlap of social carnivores. <i>Journal of Animal Ecology</i> , 2021, 90, 87-101.	1.3	12
67	A sideways look at conservation and consistency in tourism policy. <i>Conservation Biology</i> , 2018, 32, 744-746.	2.4	11
68	QUANTIFYING THE SEVERITY OF GIRAFFE SKIN DISEASE VIA PHOTOGRAMMETRY ANALYSIS OF CAMERA TRAP DATA. <i>Journal of Wildlife Diseases</i> , 2019, 55, 770.	0.3	11
69	Persistence and local extinction of lion prides in the Ngorongoro Crater, Tanzania. <i>Population Ecology</i> , 2010, 52, 103-111.	0.7	10
70	Hierarchy of fear: experimentally testing ungulate reactions to lion, African wild dog and cheetah. <i>Behavioral Ecology</i> , 2022, 33, 789-797.	1.0	10
71	Did the elephant and giraffe mediate change in the prevalence of palatable species in an East African Acacia woodland?. <i>Journal of Tropical Ecology</i> , 2015, 31, 1-12.	0.5	9
72	Giraffe bed and breakfast: Camera traps reveal Tanzanian yellow-billed oxpeckers roosting on their large mammalian hosts. <i>African Journal of Ecology</i> , 2018, 56, 882-884.	0.4	9

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73	Lion population dynamics: do nomadic males matter?. Behavioral Ecology, 2018, 29, 660-666.	1.0	9
74	The African Lion: A Long History of Interdisciplinary Research. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	9
75	Identifying Candidate Genetic Markers of CDV Cross-Species Pathogenicity in African Lions. Pathogens, 2020, 9, 872.	1.2	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.	3.3	8
78	Dead or gone? Bayesian inference on mortality for the dispersing sex. Ecology and Evolution, 2016, 6, 4910-4923.	0.8	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.	3.3	7
80	Citizen science, computing, and conservation: How can "Crowd AI" change the way we tackle large-scale ecological challenges?. Human Computation, 2021, 8, 54-75.	1.0	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.	0.7	6
82	Reconciling corruption with conservation triage: Should investments shift from the last best places?. PLoS Biology, 2018, 16, e2005620.	2.6	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.	0.9	5
84	Does pregnancy coloration reduce female conspecific aggression in the presence of maternal kin?. Animal Behaviour, 2015, 108, 199-206.	0.8	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.	2.3	3
86	Oxytocin promotes social proximity and decreases vigilance in groups of African lions. IScience, 2022, 25, 104049.	1.9	3
87	Unfair anonymity. Nature, 1989, 340, 10-10.	13.7	2
88	Baboon fertility and social status. Nature, 1995, 377, 689-690.	13.7	2
89	Contrasting levels of social distancing between the sexes in lions. IScience, 2021, 24, 102406.	1.9	2
90	QUANTIFYING THE SEVERITY OF GIRAFFE SKIN DISEASE VIA PHOTOGRAMMETRY ANALYSIS OF CAMERA TRAP DATA. Journal of Wildlife Diseases, 2019, 55, 770-781.	0.3	2

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91	Lions. <i>Current Biology</i> , 2010, 20, R590-R591.	1.8	1
92	A Bit of Texas in Florida. <i>Science</i> , 2010, 329, 1606-1607.	6.0	1