

Iain Douglas-Hamilton

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,004
citations

136885

32
h-index

133188

59
g-index

60
all docs

60
docs citations

60
times ranked

4423
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	6.0	783
2	Illegal killing for ivory drives global decline in African elephants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13117-13121.	3.3	288
3	Stable isotopes in elephant hair document migration patterns and diet changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 371-373.	3.3	193
4	Behavioural reactions of elephants towards a dying and deceased matriarch. <i>Applied Animal Behaviour Science</i> , 2006, 100, 87-102.	0.8	183
5	Roadless Wilderness Area Determines Forest Elephant Movements in the Congo Basin. <i>PLoS ONE</i> , 2008, 3, e3546.	1.1	159
6	Elephants avoid costly mountaineering. <i>Current Biology</i> , 2006, 16, R527-R529.	1.8	153
7	Beehive fences as a multidimensional conflict mitigation tool for farmers coexisting with elephants. <i>Conservation Biology</i> , 2017, 31, 743-752.	2.4	124
8	Breeding phenology in relation to NDVI variability in free-ranging African elephant. <i>Ecography</i> , 2007, 30, 42-50.	2.1	101
9	History of Animals using Isotope Records (HAIR): A 6-year dietary history of one family of African elephants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8093-8100.	3.3	96
10	Beehive fences as effective deterrents for crop-raiding elephants: field trials in northern Kenya. <i>African Journal of Ecology</i> , 2011, 49, 431-439.	0.4	96
11	Disentangling the effects of forage, social rank, and risk on movement autocorrelation of elephants using Fourier and wavelet analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19108-19113.	3.3	95
12	Beehive fence deters crop-raiding elephants. <i>African Journal of Ecology</i> , 2009, 47, 131-137.	0.4	91
13	Vertical Transmission of Social Roles Drives Resilience to Poaching in Elephant Networks. <i>Current Biology</i> , 2016, 26, 75-79.	1.8	84
14	Will Elephants Soon Disappear from West African Savannahs?. <i>PLoS ONE</i> , 2011, 6, e20619.	1.1	82
15	Comparative Demography of an At-Risk African Elephant Population. <i>PLoS ONE</i> , 2013, 8, e53726.	1.1	81
16	Where sociality and relatedness diverge: the genetic basis for hierarchical social organization in African elephants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3513-3521.	1.2	69
17	African bees to control African elephants. <i>Die Naturwissenschaften</i> , 2002, 89, 508-511.	0.6	68
18	African elephants run from the sound of disturbed bees. <i>Current Biology</i> , 2007, 17, R832-R833.	1.8	68

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19	Bomb-curve radiocarbon measurement of recent biologic tissues and applications to wildlife forensics and stable isotope (paleo)ecology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11736-11741.	3.3	65
20	Developing fencing policies for dryland ecosystems. Journal of Applied Ecology, 2015, 52, 544-551.	1.9	64
21	Radiocarbon dating of seized ivory confirms rapid decline in African elephant populations and provides insight into illegal trade. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13330-13335.	3.3	62
22	Characterizing properties and drivers of long distance movements by elephants (<i>Loxodonta africana</i>) in the Gourma, Mali. Biological Conservation, 2013, 157, 60-68.	1.9	60
23	Predicting time-specific changes in demographic processes using remote-sensing data. Journal of Applied Ecology, 2006, 43, 366-376.	1.9	48
24	Elephants, Ivory, and Trade. Science, 2010, 327, 1331-1332.	6.0	48
25	Human footprint and protected areas shape elephant range across Africa. Current Biology, 2021, 31, 2437-2445.e4.	1.8	48
26	African Elephant Alarm Calls Distinguish between Threats from Humans and Bees. PLoS ONE, 2014, 9, e89403.	1.1	48
27	Endocrine and behavioral changes in male African elephants: Linking hormone changes to sexual state and reproductive tactics. Hormones and Behavior, 2008, 54, 539-548.	1.0	47
28	Bee Threat Elicits Alarm Call in African Elephants. PLoS ONE, 2010, 5, e10346.	1.1	41
29	Controlling for behavioural state reveals social dynamics among male African elephants, <i>Loxodonta africana</i> . Animal Behaviour, 2014, 95, 111-119.	0.8	40
30	Inferring ecological and behavioral drivers of African elephant movement using a linear filtering approach. Ecology, 2011, 92, 1648-1657.	1.5	39
31	Night-day speed ratio of elephants as indicator of poaching levels. Ecological Indicators, 2018, 84, 38-44.	2.6	37
32	Using Poaching Levels and Elephant Distribution to Assess the Conservation Efficacy of Private, Communal and Government Land in Northern Kenya. PLoS ONE, 2015, 10, e0139079.	1.1	37
33	Establishing chronologies from isotopic profiles in serially collected animal tissues: An example using tail hairs from African elephants. Chemical Geology, 2009, 267, 3-11.	1.4	36
34	Population Genetic Structure of Savannah Elephants in Kenya: Conservation and Management Implications. Journal of Heredity, 2008, 99, 443-452.	1.0	33
35	The impact of elephants, <i>Loxodonta africana</i> , on woody vegetation through selective debarking in Samburu and Buffalo Springs National Reserves, Kenya. African Journal of Ecology, 2010, 48, 87-95.	0.4	32
36	The Influence of Social Structure, Habitat, and Host Traits on the Transmission of <i>Escherichia coli</i> in Wild Elephants. PLoS ONE, 2014, 9, e93408.	1.1	32

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37	Estimating age of immobilized elephants from teeth impressions using dental silicon. <i>African Journal of Ecology</i> , 2005, 43, 215-219.	0.4	29
38	Graph theory illustrates spatial and temporal features that structure elephant rest locations and reflect risk perception. <i>Ecography</i> , 2017, 40, 598-605.	2.1	29
39	Applying network theory to animal movements to identify properties of landscape space use. <i>Ecological Applications</i> , 2018, 28, 854-864.	1.8	29
40	Employing participatory surveys to monitor the illegal killing of elephants across diverse land uses in Laikipiaâ€“Samburu, Kenya. <i>African Journal of Ecology</i> , 2010, 48, 972-983.	0.4	27
41	Rising ivory prices threaten elephants. <i>Nature</i> , 2011, 476, 282-283.	13.7	26
42	Movement reveals reproductive tactics in male elephants. <i>Journal of Animal Ecology</i> , 2020, 89, 57-67.	1.3	23
43	Landscapeâ€“scale habitat response of African elephants shows strong selection for foraging opportunities in a human dominated ecosystem. <i>Ecography</i> , 2020, 43, 149-160.	2.1	22
44	Using diel movement behavior to infer foraging strategies related to ecological and social factors in elephants. <i>Movement Ecology</i> , 2013, 1, 13.	1.3	18
45	Elliptical T-density model to estimate wildlife utilization distributions. <i>Methods in Ecology and Evolution</i> , 2014, 5, 780-790.	2.2	18
46	Comparing an automated high-definition oblique camera system to rear-seat-observers in a wildlife survey in Tsavo, Kenya: Taking multi-species aerial counts to the next level. <i>Biological Conservation</i> , 2020, 241, 108243.	1.9	18
47	Elephant distribution around a volcanic shield dominated by a mosaic of forest and savanna (Marsabit, Kenya). <i>African Journal of Ecology</i> , 2009, 47, 234-245.	0.4	17
48	Poaching lowers elephant path tortuosity: implications for conservation. <i>Journal of Wildlife Management</i> , 2019, 83, 1022-1031.	0.7	16
49	Optimizing the positioning of wildlife crossing structures using GPS telemetry. <i>Journal of Applied Ecology</i> , 2018, 55, 2055-2063.	1.9	13
50	Movement tortuosity and speed reveal the trade-offs of crop raiding for African elephants. <i>Animal Behaviour</i> , 2020, 168, 97-108.	0.8	12
51	Forward and inverse methods for extracting climate and diet information from stable isotope profiles in proboscidean molars. <i>Quaternary International</i> , 2020, 557, 92-109.	0.7	11
52	Cameras replace human observers in multiâ€“species aerial counts in Murchison Falls, Uganda. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 529-545.	2.2	11
53	Conservation planning on a budget: a â€œresource lightâ€“method for mapping priorities at a landscape scale?. <i>Biodiversity and Conservation</i> , 2009, 18, 1979-2000.	1.2	10
54	High-resolution stable isotope profiles of modern elephant (<i>Loxodonta africana</i>) tusk dentin and tail hair from Kenya: Implications for identifying seasonal variability in climate, ecology, and diet in ancient proboscideans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 559, 109962.	1.0	10

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55	Estimating elephant densities from wells and droppings in dried out riverbeds. African Journal of Ecology, 2005, 43, 312-319.	0.4	9
56	Rainfall pattern and nutrient content influences on African elephants' debarking behaviour in Samburu and Buffalo Springs National Reserves, Kenya. African Journal of Ecology, 2012, 50, 152-159.	0.4	9
57	Differential influence of human impacts on age-specific demography underpins trends in an African elephant population. Ecosphere, 2021, 12, e03720.	1.0	8
58	Effectiveness of wildlife underpasses and culverts in connecting elephant habitats: a case study of new railway through Kenya's Tsavo National Parks. African Journal of Ecology, 2021, 59, 624-640.	0.4	7
59	African Elephant Survey. Oryx, 1977, 14, 24-25.	0.5	1
60	Evidence of strong spatial segregation between elephant subpopulations in the contiguous Laikipia-Samburu ecosystem in Kenya. African Journal of Ecology, 2016, 54, 261-264.	0.4	0