Iain Douglas-Hamilton

List of Publications by Year
in descending order

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	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
2	Human footprint and protected areas shape elephant range across Africa. Current Biology, 2021, 31, 2437-2445.e4.	1.8	48
3	Differential influence of human impacts on age-specific demography underpins trends in an African elephant population. Ecosphere, 2021, 12, e03720.	1.0	8
4	Movement reveals reproductive tactics in male elephants. Journal of Animal Ecology, 2020, 89, 57-67.	1.3	23
5	Landscape-scale habitat response of African elephants shows strong selection for foraging opportunities in a human dominated ecosystem. Ecography, 2020, 43, 149-160.	2.1	22
6	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. Biological Conservation, 2020, 241, 108243.	1.9	18
7	High-resolution stable isotope profiles of modern elephant (Loxodonta africana) tusk dentin and tail hair from Kenya: Implications for identifying seasonal variability in climate, ecology, and diet in ancient proboscideans. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 559, 109962.	1.0	10
8	Forward and inverse methods for extracting climate and diet information from stable isotope profiles in proboscidean molars. Quaternary International, 2020, 557, 92-109.	0.7	11
9	Movement tortuosity and speed reveal the trade-offs of crop raiding for African elephants. Animal Behaviour, 2020, 168, 97-108.	0.8	12
10	Cameras replace human observers in multi-species aerial counts in Murchison Falls, Uganda. Remote Sensing in Ecology and Conservation, 2020, 6, 529-545.	2.2	11
11	Poaching lowers elephant path tortuosity: implications for conservation. Journal of Wildlife Management, 2019, 83, 1022-1031.	0.7	16
12	Optimizing the positioning of wildlife crossing structures using GPS telemetry. Journal of Applied Ecology, 2018, 55, 2055-2063.	1.9	13
13	Applying network theory to animal movements to identify properties of landscape space use. Ecological Applications, 2018, 28, 854-864.	1.8	29
14	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. Science, 2018, 359, 466-469.	6.0	783
15	Night-day speed ratio of elephants as indicator of poaching levels. Ecological Indicators, 2018, 84, 38-44.	2.6	37
16	Graph theory illustrates spatial and temporal features that structure elephant rest locations and reflect risk perception. Ecography, 2017, 40, 598-605.	2.1	29
17	Beehive fences as a multidimensional conflict-mitigation tool for farmers coexisting with elephants. Conservation Biology, 2017, 31, 743-752.	2.4	124
18	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

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19	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
20	Vertical Transmission of Social Roles Drives Resilience to Poaching in Elephant Networks. Current Biology, 2016, 26, 75-79.	1.8	84
21	Developing fencing policies for dryland ecosystems. Journal of Applied Ecology, 2015, 52, 544-551.	1.9	64
22	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
23	Illegal killing for ivory drives global decline in African elephants. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13117-13121.	3.3	288
24	Controlling for behavioural state reveals social dynamics among male African elephants, Loxodonta africana. Animal Behaviour, 2014, 95, 111-119.	0.8	40
25	Elliptical <scp>T</scp>imeâ€<scp>D</scp>ensity model to estimate wildlife utilization distributions. Methods in Ecology and Evolution, 2014, 5, 780-790.	2.2	18
26	African Elephant Alarm Calls Distinguish between Threats from Humans and Bees. PLoS ONE, 2014, 9, e89403.	1.1	48
27	The Influence of Social Structure, Habitat, and Host Traits on the Transmission of Escherichia coli in Wild Elephants. PLoS ONE, 2014, 9, e93408.	1.1	32
28	Characterizing properties and drivers of long distance movements by elephants (Loxodonta africana) in the Gourma, Mali. Biological Conservation, 2013, 157, 60-68.	1.9	60
29	Using diel movement behavior to infer foraging strategies related to ecological and social factors in elephants. Movement Ecology, 2013, 1, 13.	1.3	18
30	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
31	Comparative Demography of an At-Risk African Elephant Population. PLoS ONE, 2013, 8, e53726.	1.1	81
32	Rainfall pattern and nutrient content influences on African elephantsâ€™ debarking behaviour in Samburu and Buffalo Springs National Reserves, Kenya. African Journal of Ecology, 2012, 50, 152-159.	0.4	9
33	Will Elephants Soon Disappear from West African Savannahs?. PLoS ONE, 2011, 6, e20619.	1.1	82
34	Inferring ecological and behavioral drivers of African elephant movement using a linear filtering approach. Ecology, 2011, 92, 1648-1657.	1.5	39
35	Beehive fences as effective deterrents for crop-raiding elephants: field trials in northern Kenya. African Journal of Ecology, 2011, 49, 431-439.	0.4	96
36	Rising ivory prices threaten elephants. Nature, 2011, 476, 282-283.	13.7	26

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37	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
38	Employing participatory surveys to monitor the illegal killing of elephants across diverse land uses in Laikipiaâ€"Samburu, Kenya. African Journal of Ecology, 2010, 48, 972-983.	0.4	27
39	Elephants, Ivory, and Trade. Science, 2010, 327, 1331-1332.	6.0	48
40	Bee Threat Elicits Alarm Call in African Elephants. PLoS ONE, 2010, 5, e10346.	1.1	41
41	History of Animals using Isotope Records (HAIR): A 6-year dietary history of one family of African elephants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8093-8100.	3.3	96
42	Where sociality and relatedness diverge: the genetic basis for hierarchical social organization in African elephants. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3513-3521.	1.2	69
43	Conservation planning on a budget: a â€œresource lightâ€•method for mapping priorities at a landscape scale?. Biodiversity and Conservation, 2009, 18, 1979-2000.	1.2	10
44	Elephant distribution around a volcanic shield dominated by a mosaic of forest and savanna (Marsabit, Kenya). African Journal of Ecology, 2009, 47, 234-245.	0.4	17
45	Beehive fence deters cropâ€raiding elephants. African Journal of Ecology, 2009, 47, 131-137.	0.4	91
46	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
47	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
48	Population Genetic Structure of Savannah Elephants in Kenya: Conservation and Management Implications. Journal of Heredity, 2008, 99, 443-452.	1.0	33
49	Disentangling the effects of forage, social rank, and risk on movement autocorrelation of elephants using Fourier and wavelet analyses. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19108-19113.	3.3	95
50	Roadless Wilderness Area Determines Forest Elephant Movements in the Congo Basin. PLoS ONE, 2008, 3, e3546.	1.1	159
51	Breeding phenology in relation to NDVI variability in freeâ€ranging African elephant. Ecography, 2007, 30, 42-50.	2.1	101
52	African elephants run from the sound of disturbed bees. Current Biology, 2007, 17, R832-R833.	1.8	68
53	Predicting time-specific changes in demographic processes using remote-sensing data. Journal of Applied Ecology, 2006, 43, 366-376.	1.9	48
54	Behavioural reactions of elephants towards a dying and deceased matriarch. Applied Animal Behaviour Science, 2006, 100, 87-102.	0.8	183

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55	Elephants avoid costly mountaineering. Current Biology, 2006, 16, R527-R529.	1.8	153
56	Stable isotopes in elephant hair document migration patterns and diet changes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 371-373.	3.3	193
57	Estimating age of immobilized elephants from teeth impressions using dental silicon. African Journal of Ecology, 2005, 43, 215-219.	0.4	29
58	Estimating elephant densities from wells and droppings in dried out riverbeds. African Journal of Ecology, 2005, 43, 312-319.	0.4	9
59	African bees to control African elephants. Die Naturwissenschaften, 2002, 89, 508-511.	0.6	68
60	African Elephant Survey. Oryx, 1977, 14, 24-25.	0.5	1