

Tim Caro

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

5,712
citations

81900

39
h-index

88630

70
g-index

120
all docs

120
docs citations

120
times ranked

6142
citing authors

#	ARTICLE	IF	CITATIONS
1	The biology of color. <i>Science</i> , 2017, 357, .	12.6	509
2	Top Predators as Conservation Tools: Ecological Rationale, Assumptions, and Efficacy. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2008, 39, 1-19.	8.3	475
3	The Adaptive Significance of Coloration in Mammals. <i>BioScience</i> , 2005, 55, 125.	4.9	390
4	Flagship species on covers of US conservation and nature magazines. <i>Biodiversity and Conservation</i> , 2008, 17, 1517-1528.	2.6	202
5	Behavior and conservation: a bridge too far?. <i>Trends in Ecology and Evolution</i> , 2007, 22, 394-400.	8.7	180
6	Contrasting coloration in terrestrial mammals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 537-548.	4.0	128
7	Cheetahs and wild dogs show contrasting patterns of suppression by lions. <i>Journal of Animal Ecology</i> , 2014, 83, 1418-1427.	2.8	123
8	The adaptive significance of coloration in lagomorphs. <i>Biological Journal of the Linnean Society</i> , 2003, 79, 309-328.	1.6	122
9	Assessment of Effectiveness of Protection Strategies in Tanzania Based on a Decade of Survey Data for Large Herbivores. <i>Conservation Biology</i> , 2007, 21, 635-646.	4.7	119
10	The behaviourâ€“conservation interface. <i>Trends in Ecology and Evolution</i> , 1999, 14, 366-369.	8.7	118
11	The function of zebra stripes. <i>Nature Communications</i> , 2014, 5, 3535.	12.8	113
12	Preliminary assessment of the flagship species concept at a small scale. <i>Animal Conservation</i> , 2004, 7, 63-70.	2.9	107
13	Conservation in the Anthropocene. <i>Conservation Biology</i> , 2012, 26, 185-188.	4.7	105
14	Physiology, Behavior, and Conservation. <i>Physiological and Biochemical Zoology</i> , 2014, 87, 1-14.	1.5	99
15	Evolution of weaponry in female bovids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4329-4334.	2.6	85
16	A new framework for selecting environmental surrogates. <i>Science of the Total Environment</i> , 2015, 538, 1029-1038.	8.0	84
17	Woody vegetation structure and composition along a protection gradient in a miombo ecosystem of western Tanzania. <i>Forest Ecology and Management</i> , 2006, 230, 179-185.	3.2	82
18	Endangered species and a threatened discipline: behavioural ecology. <i>Trends in Ecology and Evolution</i> , 2011, 26, 111-118.	8.7	78

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19	The Pleistocene re-wilding gambit. <i>Trends in Ecology and Evolution</i> , 2007, 22, 281-283.	8.7	75
20	Coloration in Mammals. <i>Trends in Ecology and Evolution</i> , 2020, 35, 357-366.	8.7	75
21	Realities of documenting wildlife corridors in tropical countries. <i>Biological Conservation</i> , 2009, 142, 2807-2811.	4.1	68
22	Guidelines for Wildlife Monitoring: Savannah Herbivores. <i>Tropical Conservation Science</i> , 2016, 9, 1-15.	1.2	67
23	When protection falters. <i>African Journal of Ecology</i> , 2007, 45, 233-235.	0.9	66
24	The ecology of multiple colour defences. <i>Evolutionary Ecology</i> , 2016, 30, 797-809.	1.2	66
25	Why is the giant panda black and white?. <i>Behavioral Ecology</i> , 2017, 28, 657-667.	2.2	65
26	Changes in large herbivore populations across large areas of Tanzania. <i>African Journal of Ecology</i> , 2007, 45, 202-215.	0.9	64
27	Use of Substitute Species in Conservation Biology. <i>Conservation Biology</i> , 2005, 19, 1821-1826.	4.7	62
28	An inconvenient misconception: Climate change is not the principal driver of biodiversity loss. <i>Conservation Letters</i> , 2022, 15, .	5.7	62
29	Benefits of zebra stripes: Behaviour of tabanid flies around zebras and horses. <i>PLoS ONE</i> , 2019, 14, e0210831.	2.5	61
30	Conservation Value of Multiple-Use Areas in East Africa. <i>Conservation Biology</i> , 2007, 21, 071005074933002-???.	4.7	60
31	BOLD COLORATION AND THE EVOLUTION OF APOSEMATISM IN TERRESTRIAL CARNIVORES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3090-3099.	2.3	60
32	Compromise solutions between conservation and road building in the tropics. <i>Current Biology</i> , 2014, 24, R722-R725.	3.9	60
33	Decline of large mammals in the Katavi-Rukwa ecosystem of western Tanzania. <i>African Zoology</i> , 2008, 43, 99-116.	0.4	50
34	The colours of extant mammals. <i>Seminars in Cell and Developmental Biology</i> , 2013, 24, 542-552.	5.0	50
35	Structural connectivity at a national scale: Wildlife corridors in Tanzania. <i>PLoS ONE</i> , 2017, 12, e0187407.	2.5	48
36	The Role of Research in Evaluating Conservation Strategies in Tanzania: the Case of the Katavi-Rukwa Ecosystem. <i>Conservation Biology</i> , 2007, 21, 647-658.	4.7	47

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37	Assessing the effectiveness of protected areas: paradoxes call for pluralism in evaluating conservation performance. <i>Diversity and Distributions</i> , 2009, 15, 178-182.	4.1	47
38	Interspecific visual signalling in animals and plants: a functional classification. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160344.	4.0	46
39	Aposematism: Unpacking the Defences. <i>Trends in Ecology and Evolution</i> , 2019, 34, 595-604.	8.7	46
40	Eighteen reasons animal behaviourists avoid involvement in conservation. <i>Animal Behaviour</i> , 2013, 85, 305-312.	1.9	45
41	The functional significance of colouration in cetaceans. <i>Evolutionary Ecology</i> , 2011, 25, 1231-1245.	1.2	42
42	The woodland vegetation of the Katavi-Rukwa ecosystem in western Tanzania. <i>Forest Ecology and Management</i> , 2008, 255, 3382-3395.	3.2	40
43	Wallace on Coloration: Contemporary Perspective and Unresolved Insights. <i>Trends in Ecology and Evolution</i> , 2017, 32, 23-30.	8.7	40
44	Vanishing behaviors. <i>Conservation Letters</i> , 2012, 5, 159-166.	5.7	39
45	Factors Affecting Bushmeat Consumption in the Katavi-Rukwa Ecosystem of Tanzania. <i>Tropical Conservation Science</i> , 2012, 5, 446-462.	1.2	38
46	Antipredator deception in terrestrial vertebrates. <i>Environmental Epigenetics</i> , 2014, 60, 16-25.	1.8	36
47	Wildlife and wildlife management in Tanzania. <i>Conservation Biology</i> , 2016, 30, 716-723.	4.7	36
48	Flash behavior increases prey survival. <i>Behavioral Ecology</i> , 2018, 29, 528-533.	2.2	36
49	Spatial and Temporal Patterns of Abundance and Diversity of an East African Leaf Litter Amphibian Fauna. <i>Biotropica</i> , 2007, 39, 105-113.	1.6	35
50	Effects of conservation education on reasons to conserve biological diversity. <i>Biological Conservation</i> , 2003, 114, 143-152.	4.1	34
51	Knowledge and attitudes of children of the Rupununi: Implications for conservation in Guyana. <i>Biological Conservation</i> , 2009, 142, 879-887.	4.1	34
52	The function of contrasting pelage markings in artiodactyls. <i>Behavioral Ecology</i> , 2010, 21, 78-84.	2.2	33
53	Animal coloration research: why it matters. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160333.	4.0	33
54	ECOLOGICAL DRIVERS OF ANTIPREDATOR DEFENSES IN CARNIVORES. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1415-1425.	2.3	32

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55	Towards an ecology of protective coloration. <i>Biological Reviews</i> , 2021, 96, 611-641.	10.4	32
56	Decline of large mammals in the Katavi-Rukwa ecosystem of western Tanzania. <i>African Zoology</i> , 2008, 43, 99-116.	0.4	29
57	On the merits and feasibility of wildlife monitoring for conservation: a case study from Katavi National Park, Tanzania. <i>African Journal of Ecology</i> , 2011, 49, 320-331.	0.9	28
58	Pelage coloration in pinnipeds: functional considerations. <i>Behavioral Ecology</i> , 2012, 23, 765-774.	2.2	28
59	Lion populations may be declining in Africa but not as Bauer et al. suggest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E107-E108.	7.1	28
60	Zebra Stripes through the Eyes of Their Predators, Zebras, and Humans. <i>PLoS ONE</i> , 2016, 11, e0145679.	2.5	28
61	Bushmeat Consumption in Western Tanzania: A Comparative Analysis from the Same Ecosystem. <i>Tropical Conservation Science</i> , 2012, 5, 352-364.	1.2	27
62	Sensitivity of Africa's larger mammals to humans. <i>Journal for Nature Conservation</i> , 2018, 43, 136-145.	1.8	27
63	Illegal hunting in the Katavi-Rukwa ecosystem. <i>African Journal of Ecology</i> , 2013, 51, 172-175.	0.9	25
64	Butterfly species richness and abundance in the Katavi ecosystem of western Tanzania. <i>African Journal of Ecology</i> , 2006, 44, 353-362.	0.9	23
65	Remarkable Rates of Lightning Strike Mortality in Malawi. <i>PLoS ONE</i> , 2012, 7, e29281.	2.5	23
66	Prey preferences of bushmeat hunters in an East African savannah ecosystem. <i>European Journal of Wildlife Research</i> , 2013, 59, 137-145.	1.4	22
67	The evolution of primate coloration revisited. <i>Behavioral Ecology</i> , 2021, 32, 555-567.	2.2	22
68	The evolution of anterior coloration in carnivorans. <i>Behavioral Ecology and Sociobiology</i> , 2017, 71, 1.	1.4	21
69	Habitat preferences of small mammals in the Katavi ecosystem of western Tanzania. <i>African Journal of Ecology</i> , 2007, 45, 249-257.	0.9	20
70	The functional significance of coloration in crabs. <i>Biological Journal of the Linnean Society</i> , 2018, 124, 1-10.	1.6	18
71	Colour polymorphism in the coconut crab (<i>Birgus latro</i>). <i>Evolutionary Ecology</i> , 2018, 32, 75-88.	1.2	18
72	How size and conspicuousness affect the efficacy of flash coloration. <i>Behavioral Ecology</i> , 2019, 30, 697-702.	2.2	18

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73	Behavior and conservation, conservation and behavior. <i>Current Opinion in Behavioral Sciences</i> , 2016, 12, 97-102.	3.9	17
74	The <sc>B</sc>ig 5 and conservation. <i>Animal Conservation</i> , 2013, 16, 261-262.	2.9	15
75	Roads through National Parks: A Successful Case Study. <i>Tropical Conservation Science</i> , 2015, 8, 1009-1016.	1.2	15
76	Animal coloration: production, perception, function and application. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20170047.	4.0	14
77	Cheetahs modify their prey handling behavior depending on risks from top predators. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	14
78	Zebra stripes, tabanid biting flies and the aperture effect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201521.	2.6	14
79	The giant panda is cryptic. <i>Scientific Reports</i> , 2021, 11, 21287.	3.3	14
80	Concordance on zebra stripes: a comment on Larison <i>et al.</i> (2015). <i>Royal Society Open Science</i> , 2015, 2, 150323.	2.4	13
81	Flash behavior in mammals?. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	13
82	Focal Species. <i>Conservation Biology</i> , 2000, 14, 1569-1570.	4.7	11
83	Risk of injury and death from lightning in Northern Malawi. <i>Natural Hazards</i> , 2012, 62, 853-862.	3.4	11
84	The Consequences of Internal Migration in Sub-Saharan Africa: A Case Study. <i>BioScience</i> , 2017, 67, 664-671.	4.9	11
85	Zebbras and Biting Flies: Quantitative Analysis of Reflected Light from Zebra Coats in Their Natural Habitat. <i>PLoS ONE</i> , 2016, 11, e0154504.	2.5	11
86	Conservation and behavior of Africa's "Big Five". <i>Environmental Epigenetics</i> , 2014, 60, 486-499.	1.8	10
87	Does REDD+ have a chance? Implications from Pemba, Tanzania. <i>Oryx</i> , 2021, 55, 725-731.	1.0	10
88	Can behavioural ecologists help establish protected areas?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180062.	4.0	9
89	Aposematism in mammals. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2480-2493.	2.3	9
90	Chelonian Antipredator Strategies: Preliminary and Comparative Data from Tanzanian Pelusios. <i>Chelonian Conservation and Biology</i> , 2010, 9, 302-305.	0.6	7

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91	A silver lining to REDD: Institutional growth despite programmatic failure. <i>Conservation Science and Practice</i> , 2021, 3, e312.	2.0	7
92	Aposematism and mimicry in birds. <i>Ibis</i> , 0, , .	1.9	7
93	How community forest management performs when REDD+ payments fail. <i>Environmental Research Letters</i> , 2022, 17, 034019.	5.2	7
94	Animal Coloration in the Anthropocene. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	7
95	Looking up and down: Strong collaboration is only the first step in tackling parachute science. <i>Conservation Science and Practice</i> , 2022, 4, .	2.0	7
96	Modelling habitat conversion in miombo woodlands: Insights from Tanzania. <i>Journal of Land Use Science</i> , 0, , .	2.2	6
97	The forgotten link between northern and southern Tanzania. <i>African Journal of Ecology</i> , 2018, 56, 1012-1016.	0.9	6
98	Correlates of color polymorphism in coconut crabs <i>Birgus latro</i> . <i>Zoology</i> , 2018, 129, 1-8.	1.2	6
99	Colour polymorphism and protective coloration in coconut crabs. <i>Ethology Ecology and Evolution</i> , 2019, 31, 514-525.	1.4	6
100	When animal coloration is a poor match. <i>Evolutionary Ecology</i> , 2021, 35, 1-13.	1.2	6
101	Pig pigmentation: testing Gloger's rule. <i>Journal of Mammalogy</i> , 2021, 102, 1525-1535.	1.3	6
102	Investigating colouration in large and rare mammals: the case of the giant anteater. <i>Ethology Ecology and Evolution</i> , 2012, 24, 104-115.	1.4	5
103	Ecocorrelates of pelage coloration in pigs and peccaries. <i>Journal of Mammalogy</i> , 2018, 99, 1093-1100.	1.3	5
104	Incipient signs of genetic differentiation among African elephant populations in fragmenting miombo ecosystems in south-western Tanzania. <i>African Journal of Ecology</i> , 2018, 56, 993-1002.	0.9	5
105	Who reads nowadays?: a comment on Berger-Tal et al.. <i>Behavioral Ecology</i> , 2019, 30, 11-12.	2.2	5
106	Avifauna of the Katavi-Rukwa Ecosystem, Tanzania. <i>Journal of the East Africa Natural History Society and National Museum</i> , 2009, 98, 95-117.	1.0	4
107	Behavioural ecology cannot profit from unstructured environmental change. <i>Trends in Ecology and Evolution</i> , 2011, 26, 321-322.	8.7	4
108	Zebra stripes. <i>Current Biology</i> , 2020, 30, R973-R974.	3.9	4

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109	Reptiles of Katavi National Park, western Tanzania, are from different biomes. African Journal of Ecology, 2011, 49, 377-382.	0.9	3
110	A case study of the coconut crab <i>Birgus latro</i> on Zanzibar highlights global threats and conservation solutions. Oryx, 0, , 1-8.	1.0	3
111	Leaping in impala. African Journal of Ecology, 2008, 46, 105-106.	0.9	2
112	Lions, Bylaws, and Conservation Metrics. BioScience, 0, , .	4.9	2
113	Ecological Drivers of Habitat Use by Meso Mammals in a Miombo Ecosystem in the Issa Valley, Tanzania. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	2
114	Systematic data are the best way forward in studies of teaching. Behavioral and Brain Sciences, 2015, 38, e35.	0.7	1
115	A roadmap for comparative primate coloration research: a response to comments on Caro et al.. Behavioral Ecology, 2021, 32, 572-573.	2.2	1
116	On the evolution of distinctive natal coat coloration in primates. American Journal of Biological Anthropology, 0, , .	1.1	1
117	Kingdon on Colouration: Crested Rats, Guenons and Zebras. Journal of East African Natural History, 2015, 104, 15-20.	0.6	0