

Francesco Rovero

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

5,594
citations

32
h-index

74
g-index

115
ext. papers

6,974
ext. citations

5.4
avg, IF

5.32
L-index

#	Paper	IF	Citations
107	Averting biodiversity collapse in tropical forest protected areas. <i>Nature</i> , 2012 , 489, 290-4	50.4	686
106	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016 , 354,	33.3	593
105	Impending extinction crisis of the world's primates: Why primates matter. <i>Science Advances</i> , 2017 , 3, e1600946	14.3	569
104	The biological importance of the Eastern Arc Mountains of Tanzania and Kenya. <i>Biological Conservation</i> , 2007 , 134, 209-231	6.2	373
103	Large trees drive forest aboveground biomass variation in moist lowland forests across the tropics. <i>Global Ecology and Biogeography</i> , 2013 , 22, 1261-1271	6.1	280
102	An estimate of the number of tropical tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7472-7	11.5	258
101	Camera trapping photographic rate as an index of density in forest ungulates. <i>Journal of Applied Ecology</i> , 2009 , 46, 1011-1017	5.8	214
100	Asynchronous carbon sink saturation in African and Amazonian tropical forests. <i>Nature</i> , 2020 , 579, 80-87	50.4	202
99	Community structure and diversity of tropical forest mammals: data from a global camera trap network. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2703-11	5.8	196
98	Carbon storage in tropical forests correlates with taxonomic diversity and functional dominance on a global scale. <i>Global Ecology and Biogeography</i> , 2014 , 23, 563-573	6.1	110
97	Phylogenetic classification of the world's tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1837-1842	11.5	107
96	Habitat fragmentation is associated to gut microbiota diversity of an endangered primate: implications for conservation. <i>Scientific Reports</i> , 2015 , 5, 14862	4.9	107
95	Estimating species richness and modelling habitat preferences of tropical forest mammals from camera trap data. <i>PLoS ONE</i> , 2014 , 9, e103300	3.7	96
94	Standardized Assessment of Biodiversity Trends in Tropical Forest Protected Areas: The End Is Not in Sight. <i>PLoS Biology</i> , 2016 , 14, e1002357	9.7	87
93	The use of camera-trap data to model habitat use by antelope species in the Udzungwa Mountain forests, Tanzania. <i>African Journal of Ecology</i> , 2008 , 46, 479-487	0.8	67
92	Hunting or habitat degradation? Decline of primate populations in Udzungwa Mountains, Tanzania: An analysis of threats. <i>Biological Conservation</i> , 2012 , 146, 89-96	6.2	65
91	Contrasting effects of defaunation on aboveground carbon storage across the global tropics. <i>Nature Communications</i> , 2016 , 7, 11351	17.4	61

90	Cardiac and behavioural responses of mussels to risk of predation by dogwhelks. <i>Animal Behaviour</i> , 1999 , 58, 707-714	2.8	59
89	An empirical evaluation of camera trap study design: How many, how long and when?. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 700-713	7.7	56
88	Wildcat population density on the Etna volcano, Italy: a comparison of density estimation methods. <i>Journal of Zoology</i> , 2014 , 293, 252-261	2	55
87	A new species of giant sengi or elephant-shrew (genus <i>Rhynchocyon</i>) highlights the exceptional biodiversity of the Udzungwa Mountains of Tanzania. <i>Journal of Zoology</i> , 2008 , 274, 126-133	2	54
86	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018 , 27, 1366-1383	6.1	52
85	When time is of the essence: choosing a currency for prey-handling costs. <i>Journal of Animal Ecology</i> , 2000 , 69, 683-689	4.7	51
84	Targeted vertebrate surveys enhance the faunal importance and improve explanatory models within the Eastern Arc Mountains of Kenya and Tanzania. <i>Diversity and Distributions</i> , 2014 , 20, 1438-1449 ⁵		48
83	Vanishing Wildlife Corridors and Options for Restoration: A Case Study from Tanzania. <i>Tropical Conservation Science</i> , 2012 , 5, 463-474	1.4	45
82	From plot to landscape scale: linking tropical biodiversity measurements across spatial scales. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 153-160	5.5	44
81	Estimating the energetic cost of fighting in shore crabs by noninvasive monitoring of heartbeat rate. <i>Animal Behaviour</i> , 2000 , 59, 705-713	2.8	43
80	The influence of human disturbance on occupancy and activity patterns of mammals in the Italian Alps from systematic camera trapping. <i>Mammalian Biology</i> , 2017 , 87, 50-61	1.6	39
79	Vegetative predictors of primate abundance: utility and limitations of a fine-scale analysis. <i>American Journal of Primatology</i> , 2007 , 69, 1242-56	2.5	34
78	The species-area relationship and confounding variables in a threatened monkey community. <i>American Journal of Primatology</i> , 2010 , 72, 325-36	2.5	33
77	Abundance of Diurnal Primates in Mwanihana Forest, Udzungwa Mountains, Tanzania. <i>International Journal of Primatology</i> , 2006 , 27, 675-697	2	32
76	The Tropical Ecology, Assessment and Monitoring (TEAM) Network: An early warning system for tropical rain forests. <i>Science of the Total Environment</i> , 2017 , 574, 914-923	10.2	31
75	Effect of experience on predatory behaviour of dogwhelks. <i>Animal Behaviour</i> , 1999 , 57, 1241-1249	2.8	31
74	The primates of the Udzungwa Mountains: diversity, ecology and conservation. <i>Journal of Anthropological Sciences</i> , 2009 , 87, 93-126	0.6	29
73	Using camera trap data to assess the impact of bushmeat hunting on forest mammals in Tanzania. <i>Огyx</i> , 2017 , 51, 87-97	1.5	28

72	Primates decline rapidly in unprotected forests: evidence from a monitoring program with data constraints. <i>PLoS ONE</i> , 2015 , 10, e0118330	3.7	27
71	Estimating the abundance of forest antelopes by line transect techniques: a case from the Udzungwa Mountains of Tanzania. <i>Tropical Zoology</i> , 2004 , 17, 267-277	1	27
70	Limited carbon and biodiversity co-benefits for tropical forest mammals and birds 2016 , 26, 1098-111		27
69	A novel landscape genetic approach demonstrates the effects of human disturbance on the Udzungwa red colobus monkey (<i>Procolobus gordonorum</i>). <i>Heredity</i> , 2016 , 116, 167-76	3.6	26
68	Notes on Abbott's duiker (<i>Cephalophus spadix</i> True 1890) and other forest antelopes of Mwanihana Forest, Udzungwa Mountains, Tanzania, as revealed by camera-trapping and direct observations. <i>Tropical Zoology</i> , 2005 , 18, 13-23	1	26
67	Checklist of mammals of the Udzungwa Mountains of Tanzania. <i>Mammalia</i> , 2007 , 71,	1	24
66	Assessing the activity pattern overlap among leopards (<i>Panthera pardus</i>), potential prey and competitors in a complex landscape in Tanzania. <i>Journal of Zoology</i> , 2020 , 311, 175-182	2	23
65	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1495-1514	6.1	21
64	Phylogenetic composition and structure of tree communities shed light on historical processes influencing tropical rainforest diversity. <i>Ecography</i> , 2017 , 40, 521-530	6.5	20
63	Nesting migrations in a population of the European pond turtle <i>Emys orbicularis</i> (L.) (<i>Chelonia Emydidae</i>) from central Italy. <i>Ethology Ecology and Evolution</i> , 1996 , 8, 297-304	0.7	20
62	Modeling Primate Abundance in Complex Landscapes: A Case Study From the Udzungwa Mountains of Tanzania. <i>International Journal of Primatology</i> , 2015 , 36, 209-226	2	18
61	Habitat fragmentation and anthropogenic factors affect wildcat <i>Felis silvestris silvestris</i> occupancy and detectability on Mt Etna. <i>Wildlife Biology</i> , 2019 , 2019,	1.7	18
60	Camera trapping surveys of forest mammal communities in the Eastern Arc Mountains reveal generalized habitat and human disturbance responses. <i>Biodiversity and Conservation</i> , 2017 , 26, 1103-1119	3.4	17
59	Pangolins in global camera trap data: Implications for ecological monitoring. <i>Global Ecology and Conservation</i> , 2019 , 20, e00769	2.8	17
58	Reserve size and anthropogenic disturbance affect the density of an African leopard (<i>Panthera pardus</i>) meta-population. <i>PLoS ONE</i> , 2019 , 14, e0209541	3.7	16
57	Density Estimation of the Endangered Udzungwa Red Colobus (<i>Procolobus gordonorum</i>) and Other Arboreal Primates in the Udzungwa Mountains Using Systematic Distance Sampling. <i>International Journal of Primatology</i> , 2014 , 35, 941-956	2	16
56	Distribution, occupancy, and habitat associations of the gray-faced sengi (<i>Rhynchocyon udzungwensis</i>) as revealed by camera traps. <i>Journal of Mammalogy</i> , 2013 , 94, 792-800	1.8	15
55	Aggressive Interactions and Mating in Wild Populations of the European Pond Turtle <i>Emys orbicularis</i> . <i>Journal of Herpetology</i> , 1999 , 33, 258	1.1	15

54	The Gut Microbiota Communities of Wild Arboreal and Ground-Feeding Tropical Primates Are Affected Differently by Habitat Disturbance. <i>MSystems</i> , 2020 , 5,	7.6	14
53	Co-occurrence of snow leopard <i>Panthera uncia</i> , Siberian ibex <i>Capra sibirica</i> and livestock: potential relationships and effects. <i>Oryx</i> , 2020 , 54, 118-124	1.5	14
52	A landscape-scale assessment of tropical mammals reveals the effects of habitat and anthropogenic disturbance on community occupancy. <i>PLoS ONE</i> , 2019 , 14, e0215682	3.7	13
51	Non-human predator interactions with wild great apes in Africa and the use of camera traps to study their dynamics. <i>Folia Primatologica</i> , 2012 , 83, 312-28	1.2	13
50	Primates in Human-Modified and Fragmented Landscapes: The Conservation Relevance of Modelling Habitat and Disturbance Factors in Density Estimation. <i>PLoS ONE</i> , 2016 , 11, e0148289	3.7	11
49	Camera trapping reveals trends in forest duiker populations in African National Parks. <i>Remote Sensing in Ecology and Conservation</i> , 2020 , 6, 168-180	5.3	10
48	High aboveground carbon stock of African tropical montane forests. <i>Nature</i> , 2021 , 596, 536-542	50.4	10
47	Wildlife Corridors in the Udzungwa Mountains of Tanzania. <i>Ecological Restoration</i> , 2012 , 30, 282-285		9
46	Effects of anthropogenic disturbance on primate density at the landscape scale. <i>Conservation Biology</i> , 2019 , 33, 873-882	6	9
45	Poor management in protected areas is associated with lowered tropical mammal diversity. <i>Animal Conservation</i> , 2020 , 23, 171-181	3.2	9
44	Integrating field and satellite data for spatially explicit inference on the density of threatened arboreal primates 2017 , 27, 235-243		8
43	A new species of chameleon (Sanria: Chamaeleonidae: Kinyongia) from the Magombera forest and the Udzungwa Mountains National Park, Tanzania. <i>African Journal of Herpetology</i> , 2009 , 58, 59-70	0.6	8
42	When parks work: Effect of anthropogenic disturbance on occupancy of tropical forest mammals. <i>Ecology and Evolution</i> , 2020 , 10, 3881-3894	2.8	8
41	Modelling fine-scale habitat associations of medium-to-large forest mammals in the Udzungwa Mountains of Tanzania using camera trapping. <i>Tropical Zoology</i> , 2015 , 28, 137-151	1	7
40	Globally Threatened Biodiversity of the Eastern Arc Mountains and Coastal Forests of Kenya and Tanzania. <i>Journal of East African Natural History</i> , 2016 , 105, 115-201	0.3	7
39	A POTENTIALLY NEW GIANT SENGI (ELEPHANT-SHREW) FROM THE UDZUNGWA MOUNTAINS, TANZANIA. <i>Journal of the East Africa Natural History Society and National Museum</i> , 2006 , 95, 111-115		7
38	First records in Tanzania of the Vulnerable Jackson's mongoose <i>Bdeogale jacksoni</i> (Herpestidae). <i>Oryx</i> , 2006 , 40, 468-471	1.5	7
37	Automatic recording of the radular activity of dogwhelks (<i>Nucella lapillus</i>) drilling mussels (<i>Mytilus edulis</i>). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1999 , 79, 1079-1083	1.1	7

36	Evolutionary history of the grey-faced Sengi, <i>Rhynchocyon udzungwensis</i> , from Tanzania: a molecular and species distribution modelling approach. <i>PLoS ONE</i> , 2013 , 8, e72506	3.7	7
35	A standardized assessment of forest mammal communities reveals consistent functional composition and vulnerability across the tropics. <i>Ecography</i> , 2020 , 43, 75-84	6.5	7
34	DNA metabarcoding reveals that African leopard diet varies between habitats. <i>African Journal of Ecology</i> , 2021 , 59, 37-50	0.8	7
33	Effects of cumulated outdoor activity on wildlife habitat use. <i>Biological Conservation</i> , 2021 , 253, 108818	6.2	7
32	On the scaling of activity in tropical forest mammals. <i>Oikos</i> , 2020 , 129, 668-676	4	6
31	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
30	Guest or pest? Spatio-temporal occurrence and effects on soil and vegetation of the wild boar on Elba island. <i>Mammalian Biology</i> , 2021 , 101, 193-206	1.6	6
29	Brain volume of the newly-discovered species <i>Rhynchocyon udzungwensis</i> (Mammalia: Afrotheria: Macroscelidea): implications for encephalization in sengis. <i>PLoS ONE</i> , 2013 , 8, e58667	3.7	5
28	Distribution and genetic diversity of the Endangered Abbott's duiker <i>Cephalophus spadix</i> in the Udzungwa Mountains, Tanzania. <i>Endangered Species Research</i> , 2014 , 24, 105-114	2.5	5
27	Tropical mammal functional diversity increases with productivity but decreases with anthropogenic disturbance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202098	4.4	5
26	Does variation between dry and wet seasons affect tropical forest mammals' occupancy and detectability by camera traps? Case study from the Udzungwa Mountains, Tanzania. <i>African Journal of Ecology</i> , 2017 , 55, 37-46	0.8	4
25	Local temperature and ecological similarity drive distributional dynamics of tropical mammals worldwide. <i>Global Ecology and Biogeography</i> , 2019 , 28, 976-991	6.1	4
24	Physiological stress levels in the endemic and endangered Udzungwa red colobus vary with elevation. <i>African Zoology</i> , 2015 , 50, 23-30	1.1	4
23	Variation in Primate Abundance Along an Elevational Gradient in the Udzungwa Mountains of Tanzania 2014 , 211-226		4
22	Global camera trap synthesis highlights the importance of protected areas in maintaining mammal diversity. <i>Conservation Letters</i> ,	6.9	4
21	Using occupancy-based camera-trap surveys to assess the Critically Endangered primate <i>Macaca nigra</i> across its range in North Sulawesi, Indonesia. <i>Oryx</i> , 2020 , 54, 784-793	1.5	4
20	Co-occurrence of snow leopard, wolf and Siberian ibex under livestock encroachment into protected areas across the Mongolian Altai. <i>Biological Conservation</i> , 2021 , 261, 109294	6.2	4
19	Optimizing field and analytical procedures for estimating densities of arboreal and threatened primates in tropical rainforest. <i>American Journal of Primatology</i> , 2017 , 79, e22666	2.5	3

18	Limited carbon and biodiversity co-benefits for tropical forest mammals and birds 2015 ,		3
17	Interactions between parasitic helminths and gut microbiota in wild tropical primates from intact and fragmented habitats. <i>Scientific Reports</i> , 2021 , 11, 21569	4.9	3
16	Loss of protozoan and metazoan intestinal symbiont biodiversity in wild primates living in unprotected forests. <i>Scientific Reports</i> , 2020 , 10, 10917	4.9	3
15	XXIII Italian Association of Primatology Congress. Trento, Italy, September 14-16, 2017: Abstracts. <i>Folia Primatologica</i> , 2017 , 88, 189-209	1.2	2
14	New population of Abbott's duiker and other species' range records in the Udzungwa Mountains, Tanzania. <i>Oryx</i> , 2014 , 48, 328-329	1.5	2
13	Snow leopard (<i>Panthera uncia</i>) predation and consumption of an adult yak in the Mongolian Altai. <i>Ethology Ecology and Evolution</i> , 1-8	0.7	2
12	Altitude and human disturbance are associated with helminth diversity in an endangered primate, <i>Procolobus gordonorum</i> . <i>PLoS ONE</i> , 2019 , 14, e0225142	3.7	2
11	Effects of free-ranging livestock on occurrence and inter-specific interactions of a mammalian community. 2022 , e2644		2
10	Genetic Patterns in Forest Antelope Populations in the Udzungwa Mountains, Tanzania, as Inferred from Non-Invasive Sampling. <i>Journal of East African Natural History</i> , 2015 , 104, 91-125	0.3	1
9	Unraveling elephant-shrews: Phylogenetic relationships and unexpected introgression among giant sengis. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 154, 107001	4.1	1
8	The African golden cat <i>Caracal aurata</i> in Tanzania: first record and vulnerability assessment. <i>Oryx</i> , 2021 , 55, 212-215	1.5	1
7	Two ant-following bird species forage with three giant sengi (<i>Rhynchocyon</i>) species in East Africa. <i>Biotropica</i> , 2022 , 54, 590-595	2.3	1
6	First spatially-explicit density estimate for a snow leopard population in the Altai Mountains. <i>Biodiversity and Conservation</i> , 1	3.4	0
5	Hunting and Habitat Degradation 2017 , 1-4		
4	Results of an Inventory of Bats in the Uzungwa Scarp Forest Reserve, Tanzania. <i>Journal of the East Africa Natural History Society and National Museum</i> , 2011 , 100, 45-57		
3	Diversity and Abundance of Diurnal Primates and Forest Antelopes in Relation to Habitat Quality: A Case Study from the Udzungwa Mountains of Tanzania 2005 , 297-304		
2	Effective Biodiversity Assessment and Monitoring 2018 ,		
1	Effective Biodiversity Assessment and Monitoring 2018 , 297-304		

