Carlo Rondinini

List of Publications by Citations

117 papers	10,295 citations	48 h-index	101 g-index
128 ext. papers	12,698 ext. citations	8.6 avg, IF	5.85 L-index

#	Paper	IF	Citations
117	The status of the world's land and marine mammals: diversity, threat, and knowledge. *Science*, **2008**, 322, 225-30	33.3	1012
116	The impact of conservation on the status of the world's vertebrates. *Science*, **2010**, 330, 1503-9	33.3	948
115	A mid-term analysis of progress toward international biodiversity targets. *Science*, **2014**, 346, 241-4	33.3	774
114	Assessing species vulnerability to climate change. *Nature Climate Change*, **2015**, 5, 215-224	21.4	576
113	The broad footprint of climate change from genes to biomes to people. *Science*, **2016**, 354,	33.3	573
112	Global hotspots and correlates of emerging zoonotic diseases. *Nature Communications*, **2017**, 8, 1124	17.4	345
111	Tradeoffs of different types of species occurrence data for use in systematic conservation planning. *Ecology Letters*, **2006**, 9, 1136-45	10	338
110	Conserving biodiversity efficiently: what to do, where, and when. *PLoS Biology*, **2007**, 5, e223	9.7	323
109	Targeting global protected area expansion for imperiled biodiversity. *PLoS Biology*, **2014**, 12, e1001891	9.7	317
108	Shortfalls and Solutions for Meeting National and Global Conservation Area Targets. *Conservation Letters*, **2015**, 8, 329-337	6.9	268
107	Global patterns of fragmentation and connectivity of mammalian carnivore habitat. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2642-51	5.8	187
106	Global habitat suitability models of terrestrial mammals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2633-41	5.8	181
105	Quantification of habitat fragmentation reveals extinction risk in terrestrial mammals. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7635-7640	11.5	175
104	Species traits influenced their response to recent climate change. *Nature Climate Change*, **2017**, 7, 205-208	21.4	161
103	Imputation of missing data in life-history trait datasets: which approach performs the best?. *Methods in Ecology and Evolution*, **2014**, 5, 961-970	7.7	155
102	Ecological networks as conceptual frameworks or operational tools in conservation. *Conservation Biology*, **2007**, 21, 1414-22	6	140
101	Projecting Global Biodiversity Indicators under Future Development Scenarios. *Conservation Letters*, **2016**, 9, 5-13	6.9	128

100	Roads as barriers to movement for hedgehogs. *Functional Ecology*, **2002**, 16, 504-509	5.6	126
99	Climate change modifies risk of global biodiversity loss due to land-cover change. *Biological Conservation*, **2015**, 187, 103-111	6.2	125
98	Global priorities for conservation across multiple dimensions of mammalian diversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7641-7646	11.5	118
97	A gap analysis of Southeast Asian mammals based on habitat suitability models. *Biological Conservation*, **2008**, 141, 2730-2744	6.2	102
96	Habitat Suitability Models and the Shortfall in Conservation Planning for African Vertebrates. *Conservation Biology*, **2005**, 19, 1488-1497	6	102
95	Evaluating least-cost model predictions with empirical dispersal data: A case-study using radiotracking data of hedgehogs (Erinaceus europaeus). *Ecological Modelling*, **2007**, 209, 314-322	3	97
94	Future hotspots of terrestrial mammal loss. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2693-702	5.8	94
93	Set ambitious goals for biodiversity and sustainability. *Science*, **2020**, 370, 411-413	33.3	92
92	Multiscale scenarios for nature futures. *Nature Ecology and Evolution*, **2017**, 1, 1416-1419	12.3	90
91	Generation length for mammals. *Nature Conservation*,5, 89-94		83
90	An evaluation of the robustness of global amphibian range maps. *Journal of Biogeography*, **2014**, 41, 211-221	4.1	77
89	Ecological□economic optimization of biodiversity conservation under climate change. *Nature Climate Change*, **2011**, 1, 355-359	21.4	77
88	The future of terrestrial mammals in the Mediterranean basin under climate change. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2681-92	5.8	76
87	Measuring Terrestrial Area of Habitat (AOH) and Its Utility for the IUCN Red List. *Trends in Ecology and Evolution*, **2019**, 34, 977-986	10.9	73
86	Effects of consumptive water use on biodiversity in wetlands of international importance. *Environmental Science & Technology*, **2013**, 47, 12248-57	10.3	73
85	Habitat availability for amphibians and extinction threat: a global analysis. *Diversity and Distributions*, **2015**, 21, 302-311	5	71
84	What spatial data do we need to develop global mammal conservation strategies?. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2623-32	5.8	71
83	Species and functional diversity accumulate differently in mammals. *Global Ecology and Biogeography*, **2016**, 25, 1119-1130	6.1	69

82	Threats from climate change to terrestrial vertebrate hotspots in Europe. *PLoS ONE*, **2013**, 8, e74989	3.7	61
81	Assessing the suitability of diversity metrics to detect biodiversity change. *Biological Conservation*, **2017**, 213, 341-350	6.2	60
80	Update or Outdate: Long-Term Viability of the IUCN Red List. *Conservation Letters*, **2014**, 7, 126-130	6.9	59
79	Connectivity of the global network of protected areas. *Diversity and Distributions*, **2016**, 22, 199-211	5	57
78	Global Trends in the Status of Bird and Mammal Pollinators. *Conservation Letters*, **2015**, 8, 397-403	6.9	54
77	Toward quantification of the impact of 21st-century deforestation on the extinction risk of terrestrial vertebrates. *Conservation Biology*, **2016**, 30, 1070-9	6	54
76	A Red List of Italian Saproxylic Beetles: taxonomic overview, ecological features and conservation issues (Coleoptera). *Fragmenta Entomologica*, **2015**, 47, 53	0.4	54
75	Experimental design and taxonomic scope of fragmentation studies on European mammals: current status and future priorities. *Mammal Review*, **2010**, 40, 125-154	5	53
74	Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. *Global Change Biology*, **2016**, 22, 3948-3959	11.4	53
73	Habitat use by beech martens in a fragmented landscape. *Ecography*, **2002**, 25, 257-264	6.5	52
72	Post-2020 biodiversity targets need to embrace climate change. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30882-30891	11.5	49
71	Quantitative methods for defining percentage area targets for habitat types in conservation planning. *Biological Conservation*, **2010**, 143, 1646-1653	6.2	49
70	Analysing biodiversity and conservation knowledge products to support regional environmental assessments. *Scientific Data*, **2016**, 3, 160007	8.2	49
69	Prioritizing conservation investments for mammal species globally. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2670-80	5.8	48
68	A framework to identify enabling and urgent actions for the 2020 Aichi Targets. *Basic and Applied Ecology*, **2014**, 15, 633-638	3.2	47
67	Assessing the Cost of Global Biodiversity and Conservation Knowledge. *PLoS ONE*, **2016**, 11, e0160640	3.7	44
66	Assessing the umbrella value of a range-wide conservation network for jaguars (Panthera onca) **2016**, 26, 1112-24		44
65	Distribution of medium- to large-sized African mammals based on habitat suitability models. *Biodiversity and Conservation*, **2008**, 17, 605-621	3.4	43

64	High-resolution assessment of land use impacts on biodiversity in life cycle assessment using species habitat suitability models. *Environmental Science & Technology*, **2015**, 49, 2237-44	10.3	42
63	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. *Geoscientific Model Development*, **2018**, 11, 4537-4562	6.3	42
62	Global conservation of species' niches. *Nature*, **2020**, 580, 232-234	50.4	41
61	Change the IUCN protected area categories to reflect biodiversity outcomes. *PLoS Biology*, **2008**, 6, e66	9.7	41
60	Drivers of extinction risk in African mammals: the interplay of distribution state, human pressure, conservation response and species biology. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130198	5.8	39
59	Restoring degraded tropical forests for carbon and biodiversity. *Environmental Research Letters*, **2014**, 9, 114020	6.2	39
58	The key elements of a comprehensive global mammal conservation strategy. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2591-7	5.8	37
57	Developing multiscale and integrative nature–people scenarios using the Nature Futures Framework. *People and Nature*, **2020**, 2, 1172-1195	5.9	36
56	Role of African protected areas in maintaining connectivity for large mammals. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369, 20130193	5.8	34
55	How can you conserve species that haven't been found?. *Journal of Biogeography*, **2007**, 34, 758-759	4.1	34
54	Performance tradeoffs in target-group bias correction for species distribution models. *Ecography*, **2017**, 40, 1076-1087	6.5	32
53	Comparing multiple species distribution proxies and different quantifications of the human footprint map, implications for conservation. *Biological Conservation*, **2013**, 165, 203-211	6.2	31
52	How many bird and mammal extinctions has recent conservation action prevented?. *Conservation Letters*, **2021**, 14, e12762	6.9	31
51	Challenging the Scientific Foundations for an IUCN Red List of Ecosystems. *Conservation Letters*, **2015**, 8, 125-131	6.9	28
50	Applying habitat and population-density models to land-cover time series to inform IUCN Red List assessments. *Conservation Biology*, **2019**, 33, 1084-1093	6	28
49	Proactive conservation to prevent habitat losses to agricultural expansion. *Nature Sustainability*, **2021**, 4, 314-322	22.1	27
48	Shifting baseline in macroecology? Unravelling the influence of human impact on mammalian body mass. *Diversity and Distributions*, **2017**, 23, 640-649	5	26
47	Systematic conservation planning and the cost of tackling conservation conflicts with large carnivores in Italy. *Conservation Biology*, **2007**, 21, 1455-62	6	26

46	High human density in the irreplaceable sites for African vertebrates conservation. *Biological Conservation*, **2006**, 133, 358-363	6.2	26
45	A global map of terrestrial habitat types. *Scientific Data*, **2020**, 7, 256	8.2	26
44	Synergies and trade-offs in achieving global biodiversity targets. *Conservation Biology*, **2016**, 30, 189-95	6	26
43	A framework for the identification of hotspots of climate change risk for mammals. *Global Change Biology*, **2018**, 24, 1626-1636	11.4	25
42	Global mammal beta diversity shows parallel assemblage structure in similar but isolated environments. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	25
41	A novel approach for global mammal extinction risk reduction. *Conservation Letters*, **2012**, 5, 134-141	6.9	23
40	Global correlates of range contractions and expansions in terrestrial mammals. *Nature Communications*, **2020**, 11, 2840	17.4	22
39	Geography of current and future global mammal extinction risk. *PLoS ONE*, **2017**, 12, e0186934	3.7	20
38	The first red list of Italian butterflies. *Insect Conservation and Diversity*, **2018**, 11, 506-521	3.8	20
37	Quantifying the relative irreplaceability of important bird and biodiversity areas. *Conservation Biology*, **2016**, 30, 392-402	6	20
36	Species richness and distribution of Neotropical rodents, with conservation implications. *Mammalia* , **2013**, 77, 1-19	1	19
35	Setting population targets for mammals using body mass as a predictor of population persistence. *Conservation Biology*, **2017**, 31, 385-393	6	19
34	Scenarios of large mammal loss in Europe for the 21st century. *Conservation Biology*, **2015**, 29, 1028-36	6	19
33	Synergies between the key biodiversity area and systematic conservation planning approaches. *Conservation Letters*, **2018**, 12, e12625	6.9	18
32	Differences in the umbrella effects of African amphibians and mammals based on two estimators of the area of occupancy. *Conservation Biology*, **2006**, 20, 170-9	6	17
31	Global Biodiversity Indicators Reflect the Modeled Impacts of Protected Area Policy Change. *Conservation Letters*, **2016**, 9, 14-20	6.9	17
30	Historical drivers of extinction risk: using past evidence to direct future monitoring. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20150928	4.4	16
29	Reconciling global mammal prioritization schemes into a strategy. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2722-8	5.8	14

28	A metric for spatially explicit contributions to science-based species targets. *Nature Ecology and Evolution*, **2021**, 5, 836-844	12.3	13
27	A Composite Network Approach for Assessing Multi-Species Connectivity: An Application to Road Defragmentation Prioritisation. *PLoS ONE*, **2016**, 11, e0164794	3.7	13
26	Projected Global Loss of Mammal Habitat Due to Land-Use and Climate Change. *One Earth*, **2020**, 2, 578-585	5.8	12
25	Measuring the surrogacy potential of charismatic megafauna species across taxonomic, phylogenetic and functional diversity on a megadiverse island. *Journal of Applied Ecology*, **2019**, 56, 1220-1231	5.8	11
24	Long-term effects of prenatal 3'-azido-3'-deoxythymidine (AZT) exposure on intermale aggressive behaviour of mice. *Psychopharmacology*, **1999**, 145, 317-23	4.7	10
23	Environmental variation is a major predictor of global trait turnover in mammals. *Journal of Biogeography*, **2018**, 45, 225-237	4.1	8
22	Special section: systematic conservation planning in the European landscape: conflicts, environmental changes, and the challenge of countdown 2010. *Conservation Biology*, **2007**, 21, 1404-5	6	8
21	The Opportunity Cost of Conserving Amphibians and Mammals in Uganda. *Natureza A Conservacao*, **2010**, 08, 177-183		8
20	Country-based patterns of total species richness, endemicity, and threatened species richness in African rodents and insectivores. *Biodiversity and Conservation*, **2011**, 20, 1225-1237	3.4	7
19	Spatial turnover and knowledge gap of African small mammals: using country checklists as a conservation tool. *Biodiversity and Conservation*, **2012**, 21, 1755-1793	3.4	6
18	Fire policy optimization to maximize suitable habitat for locally rare species under different climatic conditions: A case study of antelopes in the Kruger National Park. *Biological Conservation*, **2015**, 191, 313-321	6.2	5
17	Mind the map: trips and pitfalls in making and reading maps of carnivore distribution **2012**, 31-46		5
16	COMBINE: a coalesced mammal database of intrinsic and extrinsic traits. *Ecology*, **2021**, 102, e03344	4.6	5
15	Introduction, spread, and impacts of invasive alien mammal species in Europe. *Mammal Review*,	5	4
14	Small terrestrial mammals of Albania: distribution and diversity (Mammalia, Eulipotyphla, Rodentia). *ZooKeys*, **2018**, 127-163	1.2	4
13	DAMA: the global Distribution of Alien Mammals database. *Ecology*, **2021**, 102, e03474	4.6	4
12	Geographic distribution ranges of terrestrial mammal species in the 1970s. *Ecology*, **2019**, 100, e02747	4.6	3
11	Bridging the research-implementation gap in IUCN Red List assessments.. *Trends in Ecology and Evolution*, **2022**,	10.9	3

10	Global trends in biodiversity and ecosystem services from 1900 to 2050		3
9	Drivers of change in the realised climatic niche of terrestrial mammals. *Ecography*, **2021**, 44, 1180-1190	6.5	3
8	Assessing the umbrella value of a range-wide conservation network for jaguars (Panthera onca) **2015**,		2
7	How many bird and mammal extinctions has recent conservation action prevented?		2
6	Matrix condition mediates the effects of habitat fragmentation on species extinction risk.. *Nature Communications*, **2022**, 13, 595	17.4	1
5	BioNNA: the Biodiversity National Network of Albania. *Nature Conservation*,25, 77-88		1
4	Translating habitat class to land cover to map area of habitat of terrestrial vertebrates. *Conservation Biology*, **2021**,	6	1
3	A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios		1
2	A habitat class to land cover translation model for mapping Area of Habitat of terrestrial vertebrates		1
1	Plan S and publishing: reply to Lehtomäki et al. 2019. *Conservation Biology*, **2019**, 33, 1203-1204	6	