# Carlo Rondinini

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5562281/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 118 papers | 15,116 citations | 26610 56 h-index | 22147 113 g-index |

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|---|---|---|---|
| 128 all docs | 128 docs citations | 128 times ranked | 18857 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Status of the World's Land and Marine Mammals: Diversity, Threat, and Knowledge. Science, 2008, 322, 225-230. | 6.0 | 1,215 |
| 2 | The Impact of Conservation on the Status of the Worldâ€™s Vertebrates. Science, 2010, 330, 1503-1509. | 6.0 | 1,209 |
| 3 | A mid-term analysis of progress toward international biodiversity targets. Science, 2014, 346, 241-244. | 6.0 | 949 |
| 4 | The broad footprint of climate change from genes to biomes to people. Science, 2016, 354, . | 6.0 | 883 |
| 5 | Assessing species vulnerability to climate change. Nature Climate Change, 2015, 5, 215-224. | 8.1 | 856 |
| 6 | Global hotspots and correlates of emerging zoonotic diseases. Nature Communications, 2017, 8, 1124. | 5.8 | 645 |
| 7 | Targeting Global Protected Area Expansion for Imperiled Biodiversity. PLoS Biology, 2014, 12, e1001891. | 2.6 | 430 |
| 8 | Tradeoffs of different types of species occurrence data for use in systematic conservation planning. Ecology Letters, 2006, 9, 1136-1145. | 3.0 | 403 |
| 9 | Conserving Biodiversity Efficiently: What to Do, Where, and When. PLoS Biology, 2007, 5, e223. | 2.6 | 398 |
| 10 | Shortfalls and Solutions for Meeting National and Global Conservation Area Targets. Conservation Letters, 2015, 8, 329-337. | 2.8 | 350 |
| 11 | 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. | 3.3 | 317 |
| 12 | Speciesâ€™ traits influenced their response to recent climate change. Nature Climate Change, 2017, 7, 205-208. | 8.1 | 272 |
| 13 | Imputation of missing data in lifeâ€history trait datasets: which approach performs the best?. Methods in Ecology and Evolution, 2014, 5, 961-970. | 2.2 | 258 |
| 14 | Global patterns of fragmentation and connectivity of mammalian carnivore habitat. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2642-2651. | 1.8 | 251 |
| 15 | Global habitat suitability models of terrestrial mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2633-2641. | 1.8 | 240 |
| 16 | Set ambitious goals for biodiversity and sustainability. Science, 2020, 370, 411-413. | 6.0 | 225 |
| 17 | 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. | 3.3 | 213 |
| 18 | Climate change modifies risk of global biodiversity loss due to land-cover change. Biological Conservation, 2015, 187, 103-111. | 1.9 | 189 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Projecting Global Biodiversity Indicators under Future Development Scenarios. Conservation Letters, 2016, 9, 5-13. | 2.8 | 182 |
| 20 | Measuring Terrestrial Area of Habitat (AOH) and Its Utility for the IUCN Red List. Trends in Ecology and Evolution, 2019, 34, 977-986. | 4.2 | 181 |
| 21 | Ecological Networks as Conceptual Frameworks or Operational Tools in Conservation. Conservation Biology, 2007, 21, 1414-1422. | 2.4 | 168 |
| 22 | Roads as barriers to movement for hedgehogs. Functional Ecology, 2002, 16, 504-509. | 1.7 | 160 |
| 23 | 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. | 3.3 | 160 |
| 24 | Generation length for mammals. Nature Conservation, 0, 5, 89-94. | 0.0 | 144 |
| 25 | Multiscale scenarios for nature futures. Nature Ecology and Evolution, 2017, 1, 1416-1419. | 3.4 | 131 |
| 26 | Developing multiscale and integrative natureâ€“people scenarios using the Nature Futures Framework. People and Nature, 2020, 2, 1172-1195. | 1.7 | 127 |
| 27 | Habitat Suitability Models and the Shortfall in Conservation Planning for African Vertebrates. Conservation Biology, 2005, 19, 1488-1497. | 2.4 | 124 |
| 28 | A gap analysis of Southeast Asian mammals based on habitat suitability models. Biological Conservation, 2008, 141, 2730-2744. | 1.9 | 115 |
| 29 | How many bird and mammal extinctions has recent conservation action prevented?. Conservation Letters, 2021, 14, e12762. | 2.8 | 113 |
| 30 | 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. | 1.2 | 108 |
| 31 | Future hotspots of terrestrial mammal loss. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2693-2702. | 1.8 | 107 |
| 32 | An evaluation of the robustness of global amphibian range maps. Journal of Biogeography, 2014, 41, 211-221. | 1.4 | 103 |
| 33 | Habitat availability for amphibians and extinction threat: a global analysis. Diversity and Distributions, 2015, 21, 302-311. | 1.9 | 103 |
| 34 | Species and functional diversity accumulate differently in mammals. Global Ecology and Biogeography, 2016, 25, 1119-1130. | 2.7 | 103 |
| 35 | Connectivity of the global network of protected areas. Diversity and Distributions, 2016, 22, 199-211. | 1.9 | 103 |
| 36 | Proactive conservation to prevent habitat losses to agricultural expansion. Nature Sustainability, 2021, 4, 314-322. | 11.5 | 101 |

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|---|---|---|---|
| 37 | What spatial data do we need to develop global mammal conservation strategies?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2623-2632. | 1.8 | 99 |
| 38 | Update or Outdate: Longâ€Term Viability of the IUCN Red List. Conservation Letters, 2014, 7, 126-130. | 2.8 | 96 |
| 39 | Effects of Consumptive Water Use on Biodiversity in Wetlands of International Importance. Environmental Science & Technology, 2013, 47, 12248-12257. | 4.6 | 95 |
| 40 | Assessing the suitability of diversity metrics to detect biodiversity change. Biological Conservation, 2017, 213, 341-350. | 1.9 | 92 |
| 41 | Global conservation of speciesâ€™ niches. Nature, 2020, 580, 232-234. | 13.7 | 89 |
| 42 | Toward quantification of the impact of 21stâ€century deforestation on the extinction risk of terrestrial vertebrates. Conservation Biology, 2016, 30, 1070-1079. | 2.4 | 88 |
| 43 | The future of terrestrial mammals in the Mediterranean basin under climate change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2681-2692. | 1.8 | 87 |
| 44 | Ecologicalâ€“economic optimization of biodiversity conservation under climate change. Nature Climate Change, 2011, 1, 355-359. | 8.1 | 85 |
| 45 | A global map of terrestrial habitat types. Scientific Data, 2020, 7, 256. | 2.4 | 85 |
| 46 | A Red List of Italian Saproxylic Beetles: taxonomic overview, ecological features and conservation issues (Coleoptera). Fragmenta Entomologica, 2015, 47, 53. | 0.4 | 83 |
| 47 | Global Trends in the Status of Bird and Mammal Pollinators. Conservation Letters, 2015, 8, 397-403. | 2.8 | 82 |
| 48 | Threats from Climate Change to Terrestrial Vertebrate Hotspots in Europe. PLoS ONE, 2013, 8, e74989. | 1.1 | 79 |
| 49 | Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. Global Change Biology, 2016, 22, 3948-3959. | 4.2 | 79 |
| 50 | Assessing the umbrella value of a rangeâ€wide conservation network for jaguars (<i>Panthera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22 | 1.8 | 72 |
| 51 | Global correlates of range contractions and expansions in terrestrial mammals. Nature Communications, 2020, 11, 2840. | 5.8 | 68 |
| 52 | Analysing biodiversity and conservation knowledge products to support regional environmental assessments. Scientific Data, 2016, 3, 160007. | 2.4 | 67 |
| 53 | Assessing the Cost of Global Biodiversity and Conservation Knowledge. PLoS ONE, 2016, 11, e0160640. | 1.1 | 65 |
| 54 | Performance tradeoffs in targetâ€group bias correction for species distribution models. Ecography, 2017, 40, 1076-1087. | 2.1 | 65 |

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|---|---|---|---|
| 55 | Restoring degraded tropical forests for carbon and biodiversity. Environmental Research Letters, 2014, 9, 114020. | 2.2 | 62 |
| 56 | Experimental design and taxonomic scope of fragmentation studies on European mammals: current status and future priorities. Mammal Review, 2010, 40, 125-154. | 2.2 | 61 |
| 57 | 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. | 1.3 | 61 |
| 58 | A metric for spatially explicit contributions to science-based species targets. Nature Ecology and Evolution, 2021, 5, 836-844. | 3.4 | 61 |
| 59 | Quantitative methods for defining percentage area targets for habitat types in conservation planning. Biological Conservation, 2010, 143, 1646-1653. | 1.9 | 60 |
| 60 | A framework to identify enabling and urgent actions for the 2020 Aichi Targets. Basic and Applied Ecology, 2014, 15, 633-638. | 1.2 | 58 |
| 61 | Bridging the research-implementation gap in IUCN Red List assessments. Trends in Ecology and Evolution, 2022, 37, 359-370. | 4.2 | 58 |
| 62 | Habitat use by beech martens in a fragmented landscape. Ecography, 2002, 25, 257-264. | 2.1 | 57 |
| 63 | Achieving global biodiversity goals by 2050 requires urgent and integrated actions. One Earth, 2022, 5, 597-603. | 3.6 | 57 |
| 64 | Applying habitat and populationâ€density models to landâ€cover time series to inform IUCN Red List assessments. Conservation Biology, 2019, 33, 1084-1093. | 2.4 | 56 |
| 65 | Prioritizing conservation investments for mammal species globally. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2670-2680. | 1.8 | 54 |
| 66 | Change the IUCN Protected Area Categories to Reflect Biodiversity Outcomes. PLoS Biology, 2008, 6, e66. | 2.6 | 53 |
| 67 | Distribution of medium- to large-sized African mammals based on habitat suitability models. Biodiversity and Conservation, 2008, 17, 605-621. | 1.2 | 50 |
| 68 | COMBINE: a coalesced mammal database of intrinsic and extrinsic traits. Ecology, 2021, 102, e03344. | 1.5 | 50 |
| 69 | 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. | 1.8 | 49 |
| 70 | High-Resolution Assessment of Land Use Impacts on Biodiversity in Life Cycle Assessment Using Species Habitat Suitability Models. Environmental Science & Technology, 2015, 49, 2237-2244. | 4.6 | 47 |
| 71 | The key elements of a comprehensive global mammal conservation strategy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2591-2597. | 1.8 | 46 |
| 72 | Synergies between the key biodiversity area and systematic conservation planning approaches. Conservation Letters, 2019, 12, e12625. | 2.8 | 46 |

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|---|---|---|---|
| 73 | Projected Global Loss of Mammal Habitat Due to Land-Use and Climate Change. One Earth, 2020, 2, 578-585. | 3.6 | 46 |
| 74 | A framework for the identification of hotspots of climate change risk for mammals. Global Change Biology, 2018, 24, 1626-1636. | 4.2 | 45 |
| 75 | How can you conserve species that haven't been found?. Journal of Biogeography, 2007, 34, 758-759. | 1.4 | 41 |
| 76 | Role of African protected areas in maintaining connectivity for large mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130193. | 1.8 | 40 |
| 77 | Challenging the Scientific Foundations for an IUCN Red List of Ecosystems. Conservation Letters, 2015, 8, 125-131. | 2.8 | 38 |
| 78 | Global mammal beta diversity shows parallel assemblage structure in similar but isolated environments. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161028. | 1.2 | 38 |
| 79 | A novel approach for global mammal extinction risk reduction. Conservation Letters, 2012, 5, 134-141. | 2.8 | 37 |
| 80 | Shifting baseline in macroecology? Unravelling the influence of human impact on mammalian body mass. Diversity and Distributions, 2017, 23, 640-649. | 1.9 | 37 |
| 81 | Synergies and tradeâ€offs in achieving global biodiversity targets. Conservation Biology, 2016, 30, 189-195. | 2.4 | 36 |
| 82 | The first red list of Italian butterflies. Insect Conservation and Diversity, 2018, 11, 506-521. | 1.4 | 36 |
| 83 | Comparing multiple species distribution proxies and different quantifications of the human footprint map, implications for conservation. Biological Conservation, 2013, 165, 203-211. | 1.9 | 35 |
| 84 | Geography of current and future global mammal extinction risk. PLoS ONE, 2017, 12, e0186934. | 1.1 | 34 |
| 85 | Systematic Conservation Planning and the Cost of Tackling Conservation Conflicts with Large Carnivores in Italy. Conservation Biology, 2007, 21, 1455-1462. | 2.4 | 32 |
| 86 | High human density in the irreplaceable sites for African vertebrates conservation. Biological Conservation, 2006, 133, 358-363. | 1.9 | 31 |
| 87 | Historical drivers of extinction risk: using past evidence to direct future monitoring. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150928. | 1.2 | 30 |
| 88 | Setting population targets for mammals using body mass as a predictor of population persistence. Conservation Biology, 2017, 31, 385-393. | 2.4 | 25 |
| 89 | Species richness and distribution of Neotropical rodents, with conservation implications. Mammalia, 2013, 77, 1-19. | 0.3 | 24 |
| 90 | Quantifying the relative irreplaceability of important bird and biodiversity areas. Conservation Biology, 2016, 30, 392-402. | 2.4 | 24 |

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|---|---|---|---|
| 91 | Global Biodiversity Indicators Reflect the Modeled Impacts of Protected Area Policy Change. Conservation Letters, 2016, 9, 14-20. | 2.8 | 24 |
| 92 | Global protected areas seem insufficient to safeguard half of the world's mammals from human-induced extinction. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 24 |
| 93 | Differences in the Umbrella Effects of African Amphibians and Mammals Based on Two Estimators of the Area of Occupancy. Conservation Biology, 2006, 20, 170-179. | 2.4 | 23 |
| 94 | Scenarios of large mammal loss in Europe for the 21<sup>st</sup> century. Conservation Biology, 2015, 29, 1028-1036. | 2.4 | 23 |
| 95 | Matrix condition mediates the effects of habitat fragmentation on species extinction risk. Nature Communications, 2022, 13, 595. | 5.8 | 21 |
| 96 | A Composite Network Approach for Assessing Multi-Species Connectivity: An Application to Road Defragmentation Prioritisation. PLoS ONE, 2016, 11, e0164794. | 1.1 | 20 |
| 97 | DAMA: the global Distribution of Alien Mammals database. Ecology, 2021, 102, e03474. | 1.5 | 20 |
| 98 | Introduction, spread, and impacts of invasive alien mammal species in Europe. Mammal Review, 2022, 52, 252-266. | 2.2 | 19 |
| 99 | Drivers of change in the realised climatic niche of terrestrial mammals. Ecography, 2021, 44, 1180-1190. | 2.1 | 18 |
| 100 | Environmental variation is a major predictor of global trait turnover in mammals. Journal of Biogeography, 2018, 45, 225-237. | 1.4 | 17 |
| 101 | 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. | 1.9 | 17 |
| 102 | Reconciling global mammal prioritization schemes into a strategy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2722-2728. | 1.8 | 16 |
| 103 | Open access and academic imperialism. Conservation Biology, 2019, 33, 5-6. | 2.4 | 16 |
| 104 | Translating habitat class to land cover to map area of habitat of terrestrial vertebrates. Conservation Biology, 2022, 36, . | 2.4 | 13 |
| 105 | Long-term effects of prenatal 3'-azido-3'-deoxythymidine (AZT) exposure on intermale aggressive behaviour of mice. Psychopharmacology, 1999, 145, 317-323. | 1.5 | 12 |
| 106 | Country-based patterns of total species richness, endemicity, and threatened species richness in African rodents and insectivores. Biodiversity and Conservation, 2011, 20, 1225-1237. | 1.2 | 11 |
| 107 | Spatial turnover and knowledge gap of African small mammals: using country checklists as a conservation tool. Biodiversity and Conservation, 2012, 21, 1755-1793. | 1.2 | 10 |
| 108 | The Opportunity Cost of Conserving Amphibians and Mammals in Uganda. Natureza A Conservacao, 2010, 08, 177-183. | 2.5 | 9 |

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|---|---|---|---|
| 109 | Special Section: Systematic Conservation Planning in the European Landscape: Conflicts, Environmental Changes, and the Challenge of Countdown 2010. Conservation Biology, 2007, 21, 1404-1405. | 2.4 | 8 |
| 110 | Mind the map: trips and pitfalls in making and reading maps of carnivore distribution. , 2012, , 31-46. | | 8 |
| 111 | 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. | 1.9 | 7 |
| 112 | Small terrestrial mammals of Albania: distribution and diversity (Mammalia, Eulipotyphla, Rodentia). ZooKeys, 2018, 742, 127-163. | 0.5 | 5 |
| 113 | Geographic distribution ranges of terrestrial mammal species in the 1970s. Ecology, 2019, 100, e02747. | 1.5 | 5 |
| 114 | ï»¿Maps of area of habitat for Italian amphibians and reptiles. Nature Conservation, 0, 49, 117-129. | 0.0 | 5 |
| 115 | A validation standard for area of habitat maps for terrestrial birds and mammals. Geoscientific Model Development, 2022, 15, 5093-5105. | 1.3 | 3 |
| 116 | Assessing the umbrella value of a range-wide conservation network for jaguars (Panthera onca). , 2015, , . | | 2 |
| 117 | BioNNA: the Biodiversity National Network of Albania. Nature Conservation, 0, 25, 77-88. | 0.0 | 2 |
| 118 | Plan S and publishing: reply to LehtomÃki etÂal. 2019. Conservation Biology, 2019, 33, 1203-1204. | 2.4 | 0 |