# Luigi Maiorano

List of Publications by Year
in descending order



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|---|---|---|---|
| 99 papers | 7,973 citations | 50276 46 h-index | 53230 85 g-index |
| 107 all docs | 107 docs citations | 107 times ranked | 11986 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling. Biological Reviews, 2013, 88, 15-30. | 10.4 | 1,224 |
| 2 | Standards for distribution models in biodiversity assessments. Science Advances, 2019, 5, eaat4858. | 10.3 | 605 |
| 3 | Changes in land-use/land-cover patterns in Italy and their implications for biodiversity conservation. Landscape Ecology, 2007, 22, 617-631. | 4.2 | 571 |
| 4 | Borneo and Indochina are Major Evolutionary Hotspots for Southeast Asian Biodiversity. Systematic Biology, 2014, 63, 879-901. | 5.6 | 283 |
| 5 | Global habitat suitability models of terrestrial mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2633-2641. | 4.0 | 240 |
| 6 | Projecting Global Biodiversity Indicators under Future Development Scenarios. Conservation Letters, 2016, 9, 5-13. | 5.7 | 182 |
| 7 | Contribution of the Natura 2000 Network to Biodiversity Conservation in Italy. Conservation Biology, 2007, 21, 1433-1444. | 4.7 | 178 |
| 8 | Ecological Networks as Conceptual Frameworks or Operational Tools in Conservation. Conservation Biology, 2007, 21, 1414-1422. | 4.7 | 168 |
| 9 | Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. Global Ecology and Biogeography, 2013, 22, 302-317. | 5.8 | 152 |
| 10 | Gap analysis of terrestrial vertebrates in Italy: Priorities for conservation planning in a human dominated landscape. Biological Conservation, 2006, 133, 455-473. | 4.1 | 123 |
| 11 | The accuracy of plant assemblage prediction from species distribution models varies along environmental gradients. Global Ecology and Biogeography, 2013, 22, 52-63. | 5.8 | 121 |
| 12 | Setting Priorities for Regional Conservation Planning in the Mediterranean Sea. PLoS ONE, 2013, 8, e59038. | 2.5 | 120 |
| 13 | A gap analysis of Southeast Asian mammals based on habitat suitability models. Biological Conservation, 2008, 141, 2730-2744. | 4.1 | 115 |
| 14 | Assessing habitat quality for conservation using an integrated occurrenceâ€mortality model. Journal of Applied Ecology, 2009, 46, 600-609. | 4.0 | 114 |
| 15 | Knowing the past to predict the future: landâ€use change and the distribution of invasive bullfrogs. Global Change Biology, 2010, 16, 528-537. | 9.5 | 112 |
| 16 | Assessing the reliability of species distribution projections in climate change research. Diversity and Distributions, 2021, 27, 1035-1050. | 4.1 | 110 |
| 17 | Conserving biodiversity in production landscapes. Ecological Applications, 2010, 20, 1721-1732. | 3.8 | 109 |
| 18 | Predicting potential distribution of the jaguar (Panthera onca) in Mexico: identification of priority areas for conservation. Diversity and Distributions, 2011, 17, 350-361. | 4.1 | 108 |

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|---|---|---|---|
| 19 | Future hotspots of terrestrial mammal loss. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2693-2702. | 4.0 | 107 |
| 20 | Size-dependent resistance of protected areas to land-use change. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1297-1304. | 2.6 | 103 |
| 21 | 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. | 4.0 | 99 |
| 22 | On how much biodiversity is covered in Europe by national protected areas and by the Natura 2000 network: insights from terrestrial vertebrates. Conservation Biology, 2015, 29, 986-995. | 4.7 | 95 |
| 23 | Matches and mismatches between national and EU-wide priorities: Examining the Natura 2000 network in vertebrate species conservation. Biological Conservation, 2016, 198, 193-201. | 4.1 | 94 |
| 24 | Extraordinary range expansion in a common bat: the potential roles of climate change and urbanisation. Die Naturwissenschaften, 2016, 103, 15. | 1.6 | 94 |
| 25 | Ensemble distribution models in conservation prioritization: from consensus predictions to consensus reserve networks. Diversity and Distributions, 2014, 20, 309-321. | 4.1 | 92 |
| 26 | 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. | 4.0 | 87 |
| 27 | Ecologicalâ€“economic optimization of biodiversity conservation under climate change. Nature Climate Change, 2011, 1, 355-359. | 18.8 | 85 |
| 28 | Longâ€Distance Dispersal of a Rescued Wolf From the Northern Apennines to the Western Alps. Journal of Wildlife Management, 2009, 73, 1300-1306. | 1.8 | 83 |
| 29 | Global drivers of population density in terrestrial vertebrates. Global Ecology and Biogeography, 2018, 27, 968-979. | 5.8 | 80 |
| 30 | Predicting present and future intraâ€specific genetic structure through niche hindcasting across 24 millennia. Ecology Letters, 2012, 15, 649-657. | 6.4 | 79 |
| 31 | Threats from Climate Change to Terrestrial Vertebrate Hotspots in Europe. PLoS ONE, 2013, 8, e74989. | 2.5 | 79 |
| 32 | Large carnivore expansion in Europe is associated with human population density and land cover changes. Diversity and Distributions, 2021, 27, 602-617. | 4.1 | 78 |
| 33 | Contrasting effects of temperature and precipitation change on amphibian phenology, abundance and performance. Oecologia, 2016, 181, 683-693. | 2.0 | 77 |
| 34 | Is biofuel policy harming biodiversity in Europe?. GCB Bioenergy, 2009, 1, 18-34. | 5.6 | 74 |
| 35 | A greener Greenland? Climatic potential and long-term constraints on future expansions of trees and shrubs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120479. | 4.0 | 74 |
| 36 | Conserving the functional and phylogenetic trees of life of European tetrapods. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140005. | 4.0 | 70 |

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|---|---|---|---|
| 37 | Addressing common pitfalls does not provide more support to geographical and ecological abundantâ€centre hypotheses. Ecography, 2019, 42, 696-705. | 4.5 | 69 |
| 38 | Spatial mismatch of phylogenetic diversity across three vertebrate groups and protected areas in Europe. Diversity and Distributions, 2014, 20, 674-685. | 4.1 | 67 |
| 39 | Performance tradeoffs in targetâ€group bias correction for species distribution models. Ecography, 2017, 40, 1076-1087. | 4.5 | 65 |
| 40 | Hotspots of species richness, threat and endemism for terrestrial vertebrates in SW Europe. Acta Oecologica, 2011, 37, 399-412. | 1.1 | 64 |
| 41 | Potential Impacts of Climate Change on Ecosystem Services in Europe: The Case of Pest Control by Vertebrates. BioScience, 2012, 62, 658-666. | 4.9 | 61 |
| 42 | Long-term change in the structure of a Posidonia oceanica landscape and its reference for a monitoring plan. Marine Ecology, 2006, 27, 299-309. | 1.1 | 58 |
| 43 | Land-Cover Change and the Future of the Apennine Brown Bear: A Perspective from the Past. Journal of Mammalogy, 2008, 89, 1502-1511. | 1.3 | 58 |
| 44 | Identifying fish nurseries using density and persistence measures. Marine Ecology - Progress Series, 2009, 381, 287-296. | 1.9 | 58 |
| 45 | Uncertainties in the identification of potential dispersal corridors: The importance of behaviour, sex, and algorithm. Basic and Applied Ecology, 2017, 21, 66-75. | 2.7 | 55 |
| 46 | Adapting global conservation strategies to climate change at the European scale: The otter as a flagship species. Biological Conservation, 2011, 144, 2068-2080. | 4.1 | 52 |
| 47 | The Use of Climatic Niches in Screening Procedures for Introduced Species to Evaluate Risk of Spread: A Case with the American Eastern Grey Squirrel. PLoS ONE, 2013, 8, e66559. | 2.5 | 48 |
| 48 | Climateâ€based empirical models show biased predictions of butterfly communities along environmental gradients. Ecography, 2012, 35, 684-692. | 4.5 | 42 |
| 49 | Modeling the potential distribution for a range-expanding species: Wolf recolonization of the Alpine range. Biological Conservation, 2013, 158, 63-72. | 4.1 | 41 |
| 50 | Balancing conservation priorities for nature and for people in Europe. Science, 2021, 372, 856-860. | 12.6 | 39 |
| 51 | Unveiling the food webs of tetrapods across Europe through the prism of the Eltonian niche. Journal of Biogeography, 2020, 47, 181-192. | 3.0 | 38 |
| 52 | Combining multi-state species distribution models, mortality estimates, and landscape connectivity to model potential species distribution for endangered species in human dominated landscapes. Biological Conservation, 2019, 237, 19-27. | 4.1 | 36 |
| 53 | Forest changes over a century in Sardinia: implications for conservation in a Mediterranean hotspot. Agroforestry Systems, 2012, 85, 319-330. | 2.0 | 32 |
| 54 | Reconstructing geographical parthenogenesis: effects of niche differentiation and reproductive mode on Holocene range expansion of an alpine plant. Ecology Letters, 2018, 21, 392-401. | 6.4 | 32 |

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|---|---|---|---|
| 55 | Environment and evolutionary history shape phylogenetic turnover in European tetrapods. Nature Communications, 2019, 10, 249. | 12.8 | 32 |
| 56 | Spatial predictions of landâ€use transitions and associated threats to biodiversity: the case of forest regrowth in mountain grasslands. Applied Vegetation Science, 2013, 16, 227-236. | 1.9 | 31 |
| 57 | Imprints of multiple glacial refugia in the Pyrenees revealed by phylogeography and palaeodistribution modelling of an endemic spider. Molecular Ecology, 2016, 25, 2046-2064. | 3.9 | 31 |
| 58 | Historical spatial baselines in conservation and management of marine resources. Fish and Fisheries, 2011, 12, 289-298. | 5.3 | 30 |
| 59 | A frequency distribution approach to hotspot identification. Population Ecology, 2011, 53, 351-359. | 1.2 | 30 |
| 60 | Revisiting tree-migration rates: Abies alba (Mill.), a case study. Vegetation History and Archaeobotany, 2014, 23, 113-122. | 2.1 | 30 |
| 61 | Past Extinctions of Homo Species Coincided with Increased Vulnerability to Climatic Change. One Earth, 2020, 3, 480-490. | 6.8 | 30 |
| 62 | Conservation value of historical data: reconstructing stock dynamics of turbot during the last century in the Kattegat-Skagerrak. Marine Ecology - Progress Series, 2009, 386, 197-206. | 1.9 | 29 |
| 63 | BioScoreâ€“Cost-effective assessment of policy impact on biodiversity using species sensitivity scores. Journal for Nature Conservation, 2010, 18, 142-148. | 1.8 | 28 |
| 64 | Temperature Range Shifts for Three European Tree Species over the Last 10,000 Years. Frontiers in Plant Science, 2016, 7, 1581. | 3.6 | 28 |
| 65 | Does the jack of all trades fare best? Survival and niche width in Late Pleistocene megafauna. Journal of Biogeography, 2017, 44, 2828-2838. | 3.0 | 28 |
| 66 | Spatial analyses of multiâ€trophic terrestrial vertebrate assemblages in Europe. Global Ecology and Biogeography, 2019, 28, 1636-1648. | 5.8 | 27 |
| 67 | TETRAâ€EU 1.0: A speciesâ€level trophic metaweb of European tetrapods. Global Ecology and Biogeography, 2020, 29, 1452-1457. | 5.8 | 26 |
| 68 | Climate change promotes hybridisation between deeply divergent species. PeerJ, 2017, 5, e3072. | 2.0 | 26 |
| 69 | Incorporating spatial population structure in gap analysis reveals inequitable assessments of species protection. Diversity and Distributions, 2014, 20, 698-707. | 4.1 | 25 |
| 70 | The diversity of biotic interactions complements functional and phylogenetic facets of biodiversity. Current Biology, 2022, 32, 2093-2100.e3. | 3.9 | 25 |
| 71 | Coverage of vertebrate species distributions by Important Bird and Biodiversity Areas and Special Protection Areas in the European Union. Biological Conservation, 2016, 202, 1-9. | 4.1 | 23 |
| 72 | Meta-Omics Reveals Genetic Flexibility of Diatom Nitrogen Transporters in Response to Environmental Changes. Molecular Biology and Evolution, 2019, 36, 2522-2535. | 8.9 | 23 |

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|---|---|---|---|
| 73 | There and back again? Combining habitat suitability modelling and connectivity analyses to assess a potential return of the otter to Switzerland. Animal Conservation, 2013, 16, 584-594. | 2.9 | 22 |
| 74 | Improving spatial predictions of taxonomic, functional and phylogenetic diversity. Journal of Ecology, 2018, 106, 76-86. | 4.0 | 21 |
| 75 | Systematic conservation planning in the Mediterranean: a flexible tool for the identification of no-take marine protected areas. ICES Journal of Marine Science, 2009, 66, 137-146. | 2.5 | 20 |
| 76 | Spatial and temporal depletion of haddock and pollack during the last century in the Kattegat-Skagerrak. Journal of Applied Ichthyology, 2012, 28, 200-208. | 0.7 | 19 |
| 77 | Modeling the distribution of Apennine brown bears during hyperphagia to reduce the impact of wild boar hunting. European Journal of Wildlife Research, 2015, 61, 241-253. | 1.4 | 18 |
| 78 | Drivers of change in the realised climatic niche of terrestrial mammals. Ecography, 2021, 44, 1180-1190. | 4.5 | 18 |
| 79 | A new European land systems representation accounting for landscape characteristics. Landscape Ecology, 2021, 36, 2215-2234. | 4.2 | 17 |
| 80 | Addressing the Eltonian shortfall with traitâ€based interaction models. Ecology Letters, 2022, 25, 889-899. | 6.4 | 17 |
| 81 | Spatial-explicit assessment of current and future conservation options for the endangered Corsican Red Deer (Cervus elaphus corsicanus) in Sardinia. Biodiversity and Conservation, 2009, 18, 2001-2016. | 2.6 | 16 |
| 82 | Reconciling global mammal prioritization schemes into a strategy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2722-2728. | 4.0 | 16 |
| 83 | Suitability, success and sinks: how do predictions of nesting distributions relate to fitness parameters in high arctic waders?. Diversity and Distributions, 2013, 19, 1496-1505. | 4.1 | 15 |
| 84 | A Major Change in Rate of Climate Niche Envelope Evolution during Hominid History. IScience, 2020, 23, 101693. | 4.1 | 14 |
| 85 | Geographic patterns of predator niche breadth and prey species richness. Ecological Research, 2016, 31, 111-115. | 1.5 | 13 |
| 86 | The role of habitat fragmentation in Pleistocene megafauna extinction in Eurasia. Ecography, 2021, 44, 1619-1630. | 4.5 | 13 |
| 87 | Hierarchical, multiâ€grain rendezvous site selection by wolves in southern Italy. Journal of Wildlife Management, 2018, 82, 1049-1061. | 1.8 | 12 |
| 88 | Drilling Down Hotspots of Intraspecific Diversity to Bring Them Into On-Ground Conservation of Threatened Species. Frontiers in Ecology and Evolution, 2019, 7, . | 2.2 | 12 |
| 89 | Reconstructing hotspots of genetic diversity from glacial refugia and subsequent dispersal in Italian common toads (Bufo bufo). Scientific Reports, 2021, 11, 260. | 3.3 | 12 |
| 90 | Endemism and diversity in European montane mammals: macro-ecological patterns. Biological Journal of the Linnean Society, 2019, 128, 225-237. | 1.6 | 11 |

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|---|---|---|---|
| 91 | The spatial scaling of food web structure across European biogeographical regions. Ecography, 2021, 44, 653-664. | 4.5 | 10 |
| 92 | Testing the occurrence of convergence in the craniomandibular shape evolution of living carnivorans*. Evolution; International Journal of Organic Evolution, 2021, 75, 1738-1752. | 2.3 | 10 |
| 93 | Mapping biodiversity hotspots and conservation priorities for the Euro-Mediterranean headwater ecosystems, as inferred from diversity and distribution of a water beetle lineage. Biodiversity and Conservation, 2015, 24, 149-170. | 2.6 | 9 |
| 94 | A method for mapping morphological convergence on threeâ€dimensional digital models: the case of the mammalian sabreâ€tooth. Palaeontology, 2021, 64, 573-584. | 2.2 | 9 |
| 95 | Is geographic sampling bias representative of environmental space?. Ecological Informatics, 2021, 64, 101369. | 5.2 | 7 |
| 96 | Frequency distribution curves and the identification of hotspots: response to comments. Population Ecology, 2011, 53, 603-604. | 1.2 | 5 |
| 97 | Identifying national responsibility species based on spatial conservation prioritization. Biological Conservation, 2019, 236, 411-419. | 4.1 | 3 |
| 98 | Least speciose among the most speciose: Natural history correlates of monospecific and bispecific genera of Rodentia and Soricomorpha. Integrative Zoology, 2017, 12, 489-499. | 2.6 | 1 |
| 99 | New Avenues for Old Travellers: Phenotypic Evolutionary Trends Meet Morphodynamics, and Both Enter the Global Change Biology Era. Evolutionary Biology, 2021, 48, 379-393. | 1.1 | 1 |