

# Luigi Maiorano

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Addressing the Eltonian shortfall with trait-based interaction models. <i>Ecology Letters</i> , 2022, 25, 889-899.	6.4	17
2	The diversity of biotic interactions complements functional and phylogenetic facets of biodiversity. <i>Current Biology</i> , 2022, 32, 2093-2100.e3.	3.9	25
3	Large carnivore expansion in Europe is associated with human population density and land cover changes. <i>Diversity and Distributions</i> , 2021, 27, 602-617.	4.1	78
4	Assessing the reliability of species distribution projections in climate change research. <i>Diversity and Distributions</i> , 2021, 27, 1035-1050.	4.1	110
5	The spatial scaling of food web structure across European biogeographical regions. <i>Ecography</i> , 2021, 44, 653-664.	4.5	10
6	A new European land systems representation accounting for landscape characteristics. <i>Landscape Ecology</i> , 2021, 36, 2215-2234.	4.2	17
7	Testing the occurrence of convergence in the craniomandibular shape evolution of living carnivorans*. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1738-1752.	2.3	10
8	Balancing conservation priorities for nature and for people in Europe. <i>Science</i> , 2021, 372, 856-860.	12.6	39
9	A method for mapping morphological convergence on three-dimensional digital models: the case of the mammalian sabre-tooth. <i>Palaeontology</i> , 2021, 64, 573-584.	2.2	9
10	Drivers of change in the realised climatic niche of terrestrial mammals. <i>Ecography</i> , 2021, 44, 1180-1190.	4.5	18
11	New Avenues for Old Travellers: Phenotypic Evolutionary Trends Meet Morphodynamics, and Both Enter the Global Change Biology Era. <i>Evolutionary Biology</i> , 2021, 48, 379-393.	1.1	1
12	Is geographic sampling bias representative of environmental space?. <i>Ecological Informatics</i> , 2021, 64, 101369.	5.2	7
13	The role of habitat fragmentation in Pleistocene megafauna extinction in Eurasia. <i>Ecography</i> , 2021, 44, 1619-1630.	4.5	13
14	Reconstructing hotspots of genetic diversity from glacial refugia and subsequent dispersal in Italian common toads ( <i>Bufo bufo</i> ). <i>Scientific Reports</i> , 2021, 11, 260.	3.3	12
15	Unveiling the food webs of tetrapods across Europe through the prism of the Eltonian niche. <i>Journal of Biogeography</i> , 2020, 47, 181-192.	3.0	38
16	Past Extinctions of Homo Species Coincided with Increased Vulnerability to Climatic Change. <i>One Earth</i> , 2020, 3, 480-490.	6.8	30
17	A Major Change in Rate of Climate Niche Envelope Evolution during Hominid History. <i>iScience</i> , 2020, 23, 101693.	4.1	14
18	TETRAEU 1.0: A species-level trophic metaweb of European tetrapods. <i>Global Ecology and Biogeography</i> , 2020, 29, 1452-1457.	5.8	26

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19	Spatial analyses of multi-trophic terrestrial vertebrate assemblages in Europe. <i>Global Ecology and Biogeography</i> , 2019, 28, 1636-1648.	5.8	27
20	Meta-Omics Reveals Genetic Flexibility of Diatom Nitrogen Transporters in Response to Environmental Changes. <i>Molecular Biology and Evolution</i> , 2019, 36, 2522-2535.	8.9	23
21	Endemism and diversity in European montane mammals: macro-ecological patterns. <i>Biological Journal of the Linnean Society</i> , 2019, 128, 225-237.	1.6	11
22	Combining multi-state species distribution models, mortality estimates, and landscape connectivity to model potential species distribution for endangered species in human dominated landscapes. <i>Biological Conservation</i> , 2019, 237, 19-27.	4.1	36
23	Identifying national responsibility species based on spatial conservation prioritization. <i>Biological Conservation</i> , 2019, 236, 411-419.	4.1	3
24	Drilling Down Hotspots of Intraspecific Diversity to Bring Them Into On-Ground Conservation of Threatened Species. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	12
25	Addressing common pitfalls does not provide more support to geographical and ecological abundant-centre hypotheses. <i>Ecography</i> , 2019, 42, 696-705.	4.5	69
26	Standards for distribution models in biodiversity assessments. <i>Science Advances</i> , 2019, 5, eaat4858.	10.3	605
27	Environment and evolutionary history shape phylogenetic turnover in European tetrapods. <i>Nature Communications</i> , 2019, 10, 249.	12.8	32
28	Hierarchical, multi-scale grain rendezvous site selection by wolves in southern Italy. <i>Journal of Wildlife Management</i> , 2018, 82, 1049-1061.	1.8	12
29	Reconstructing geographical parthenogenesis: effects of niche differentiation and reproductive mode on Holocene range expansion of an alpine plant. <i>Ecology Letters</i> , 2018, 21, 392-401.	6.4	32
30	Improving spatial predictions of taxonomic, functional and phylogenetic diversity. <i>Journal of Ecology</i> , 2018, 106, 76-86.	4.0	21
31	Global drivers of population density in terrestrial vertebrates. <i>Global Ecology and Biogeography</i> , 2018, 27, 968-979.	5.8	80
32	Uncertainties in the identification of potential dispersal corridors: The importance of behaviour, sex, and algorithm. <i>Basic and Applied Ecology</i> , 2017, 21, 66-75.	2.7	55
33	Least speciose among the most speciose: Natural history correlates of monospecific and bispecific genera of Rodentia and Soricomorpha. <i>Integrative Zoology</i> , 2017, 12, 489-499.	2.6	1
34	Does the jack of all trades fare best? Survival and niche width in Late Pleistocene megafauna. <i>Journal of Biogeography</i> , 2017, 44, 2828-2838.	3.0	28
35	Performance tradeoffs in target-group bias correction for species distribution models. <i>Ecography</i> , 2017, 40, 1076-1087.	4.5	65
36	Climate change promotes hybridisation between deeply divergent species. <i>PeerJ</i> , 2017, 5, e3072.	2.0	26

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37	Temperature Range Shifts for Three European Tree Species over the Last 10,000 Years. <i>Frontiers in Plant Science</i> , 2016, 7, 1581.	3.6	28
38	Imprints of multiple glacial refugia in the Pyrenees revealed by phylogeography and palaeodistribution modelling of an endemic spider. <i>Molecular Ecology</i> , 2016, 25, 2046-2064.	3.9	31
39	Matches and mismatches between national and EU-wide priorities: Examining the Natura 2000 network in vertebrate species conservation. <i>Biological Conservation</i> , 2016, 198, 193-201.	4.1	94
40	Coverage of vertebrate species distributions by Important Bird and Biodiversity Areas and Special Protection Areas in the European Union. <i>Biological Conservation</i> , 2016, 202, 1-9.	4.1	23
41	Projecting Global Biodiversity Indicators under Future Development Scenarios. <i>Conservation Letters</i> , 2016, 9, 5-13.	5.7	182
42	Geographic patterns of predator niche breadth and prey species richness. <i>Ecological Research</i> , 2016, 31, 111-115.	1.5	13
43	Contrasting effects of temperature and precipitation change on amphibian phenology, abundance and performance. <i>Oecologia</i> , 2016, 181, 683-693.	2.0	77
44	Extraordinary range expansion in a common bat: the potential roles of climate change and urbanisation. <i>Die Naturwissenschaften</i> , 2016, 103, 15.	1.6	94
45	On how much biodiversity is covered in Europe by national protected areas and by the Natura 2000 network: insights from terrestrial vertebrates. <i>Conservation Biology</i> , 2015, 29, 986-995.	4.7	95
46	Conserving the functional and phylogenetic trees of life of European tetrapods. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140005.	4.0	70
47	Modeling the distribution of Apennine brown bears during hyperphagia to reduce the impact of wild boar hunting. <i>European Journal of Wildlife Research</i> , 2015, 61, 241-253.	1.4	18
48	Mapping biodiversity hotspots and conservation priorities for the Euro-Mediterranean headwater ecosystems, as inferred from diversity and distribution of a water beetle lineage. <i>Biodiversity and Conservation</i> , 2015, 24, 149-170.	2.6	9
49	Revisiting tree-migration rates: <i>Abies alba</i> (Mill.), a case study. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 113-122.	2.1	30
50	Spatial mismatch of phylogenetic diversity across three vertebrate groups and protected areas in Europe. <i>Diversity and Distributions</i> , 2014, 20, 674-685.	4.1	67
51	Ensemble distribution models in conservation prioritization: from consensus predictions to consensus reserve networks. <i>Diversity and Distributions</i> , 2014, 20, 309-321.	4.1	92
52	Incorporating spatial population structure in gap analysis reveals inequitable assessments of species protection. <i>Diversity and Distributions</i> , 2014, 20, 698-707.	4.1	25
53	Borneo and Indochina are Major Evolutionary Hotspots for Southeast Asian Biodiversity. <i>Systematic Biology</i> , 2014, 63, 879-901.	5.6	283
54	Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. <i>Global Ecology and Biogeography</i> , 2013, 22, 302-317.	5.8	152

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55	Spatial predictions of land-use transitions and associated threats to biodiversity: the case of forest regrowth in mountain grasslands. <i>Applied Vegetation Science</i> , 2013, 16, 227-236.	1.9	31
56	There and back again? Combining habitat suitability modelling and connectivity analyses to assess a potential return of the otter to Switzerland. <i>Animal Conservation</i> , 2013, 16, 584-594.	2.9	22
57	Modeling the potential distribution for a range-expanding species: Wolf recolonization of the Alpine range. <i>Biological Conservation</i> , 2013, 158, 63-72.	4.1	41
58	The accuracy of plant assemblage prediction from species distribution models varies along environmental gradients. <i>Global Ecology and Biogeography</i> , 2013, 22, 52-63.	5.8	121
59	The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling. <i>Biological Reviews</i> , 2013, 88, 15-30.	10.4	1,224
60	A greener Greenland? Climatic potential and long-term constraints on future expansions of trees and shrubs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120479.	4.0	74
61	Suitability, success and sinks: how do predictions of nesting distributions relate to fitness parameters in high arctic waders?. <i>Diversity and Distributions</i> , 2013, 19, 1496-1505.	4.1	15
62	Setting Priorities for Regional Conservation Planning in the Mediterranean Sea. <i>PLoS ONE</i> , 2013, 8, e59038.	2.5	120
63	Threats from Climate Change to Terrestrial Vertebrate Hotspots in Europe. <i>PLoS ONE</i> , 2013, 8, e74989.	2.5	79
64	The Use of Climatic Niches in Screening Procedures for Introduced Species to Evaluate Risk of Spread: A Case with the American Eastern Grey Squirrel. <i>PLoS ONE</i> , 2013, 8, e66559.	2.5	48
65	Potential Impacts of Climate Change on Ecosystem Services in Europe: The Case of Pest Control by Vertebrates. <i>BioScience</i> , 2012, 62, 658-666.	4.9	61
66	Forest changes over a century in Sardinia: implications for conservation in a Mediterranean hotspot. <i>Agroforestry Systems</i> , 2012, 85, 319-330.	2.0	32
67	Spatial and temporal depletion of haddock and pollack during the last century in the Kattegat-Skagerrak. <i>Journal of Applied Ichthyology</i> , 2012, 28, 200-208.	0.7	19
68	Climate-based empirical models show biased predictions of butterfly communities along environmental gradients. <i>Ecography</i> , 2012, 35, 684-692.	4.5	42
69	Predicting present and future intra-specific genetic structure through niche hindcasting across 24 millennia. <i>Ecology Letters</i> , 2012, 15, 649-657.	6.4	79
70	The future of terrestrial mammals in the Mediterranean basin under climate change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2681-2692.	4.0	87
71	Ecological-economic optimization of biodiversity conservation under climate change. <i>Nature Climate Change</i> , 2011, 1, 355-359.	18.8	85
72	Global habitat suitability models of terrestrial mammals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2633-2641.	4.0	240

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73	Hotspots of species richness, threat and endemism for terrestrial vertebrates in SW Europe. <i>Acta Oecologica</i> , 2011, 37, 399-412.	1.1	64
74	Adapting global conservation strategies to climate change at the European scale: The otter as a flagship species. <i>Biological Conservation</i> , 2011, 144, 2068-2080.	4.1	52
75	Historical spatial baselines in conservation and management of marine resources. <i>Fish and Fisheries</i> , 2011, 12, 289-298.	5.3	30
76	Predicting potential distribution of the jaguar ( <i>Panthera onca</i> ) in Mexico: identification of priority areas for conservation. <i>Diversity and Distributions</i> , 2011, 17, 350-361.	4.1	108
77	A frequency distribution approach to hotspot identification. <i>Population Ecology</i> , 2011, 53, 351-359.	1.2	30
78	Frequency distribution curves and the identification of hotspots: response to comments. <i>Population Ecology</i> , 2011, 53, 603-604.	1.2	5
79	What spatial data do we need to develop global mammal conservation strategies?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2623-2632.	4.0	99
80	Future hotspots of terrestrial mammal loss. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2693-2702.	4.0	107
81	Reconciling global mammal prioritization schemes into a strategy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2722-2728.	4.0	16
82	Knowing the past to predict the future: land-use change and the distribution of invasive bullfrogs. <i>Global Change Biology</i> , 2010, 16, 528-537.	9.5	112
83	BioScore—Cost-effective assessment of policy impact on biodiversity using species sensitivity scores. <i>Journal for Nature Conservation</i> , 2010, 18, 142-148.	1.8	28
84	Conserving biodiversity in production landscapes. <i>Ecological Applications</i> , 2010, 20, 1721-1732.	3.8	109
85	Systematic conservation planning in the Mediterranean: a flexible tool for the identification of no-take marine protected areas. <i>ICES Journal of Marine Science</i> , 2009, 66, 137-146.	2.5	20
86	Spatial-explicit assessment of current and future conservation options for the endangered Corsican Red Deer ( <i>Cervus elaphus corsicanus</i> ) in Sardinia. <i>Biodiversity and Conservation</i> , 2009, 18, 2001-2016.	2.6	16
87	Assessing habitat quality for conservation using an integrated occurrence–mortality model. <i>Journal of Applied Ecology</i> , 2009, 46, 600-609.	4.0	114
88	Conservation value of historical data: reconstructing stock dynamics of turbot during the last century in the Kattegat-Skagerrak. <i>Marine Ecology - Progress Series</i> , 2009, 386, 197-206.	1.9	29
89	Long-Distance Dispersal of a Rescued Wolf From the Northern Apennines to the Western Alps. <i>Journal of Wildlife Management</i> , 2009, 73, 1300-1306.	1.8	83
90	Is biofuel policy harming biodiversity in Europe?. <i>GCB Bioenergy</i> , 2009, 1, 18-34.	5.6	74

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91	Identifying fish nurseries using density and persistence measures. <i>Marine Ecology - Progress Series</i> , 2009, 381, 287-296.	1.9	58
92	Size-dependent resistance of protected areas to land-use change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 1297-1304.	2.6	103
93	A gap analysis of Southeast Asian mammals based on habitat suitability models. <i>Biological Conservation</i> , 2008, 141, 2730-2744.	4.1	115
94	Land-Cover Change and the Future of the Apennine Brown Bear: A Perspective from the Past. <i>Journal of Mammalogy</i> , 2008, 89, 1502-1511.	1.3	58
95	Ecological Networks as Conceptual Frameworks or Operational Tools in Conservation. <i>Conservation Biology</i> , 2007, 21, 1414-1422.	4.7	168
96	Contribution of the Natura 2000 Network to Biodiversity Conservation in Italy. <i>Conservation Biology</i> , 2007, 21, 1433-1444.	4.7	178
97	Changes in land-use/land-cover patterns in Italy and their implications for biodiversity conservation. <i>Landscape Ecology</i> , 2007, 22, 617-631.	4.2	571
98	Gap analysis of terrestrial vertebrates in Italy: Priorities for conservation planning in a human dominated landscape. <i>Biological Conservation</i> , 2006, 133, 455-473.	4.1	123
99	Long-term change in the structure of a <i>Posidonia oceanica</i> landscape and its reference for a monitoring plan. <i>Marine Ecology</i> , 2006, 27, 299-309.	1.1	58