

Luigi Maiorano

List of Publications by Citations

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Version: 2024-04-28

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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.

102
papers

5,755
citations

41
h-index

75
g-index

106
ext. papers

6,896
ext. citations

5.5
avg, IF

5.58
L-index

#	Paper	IF	Citations
102	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	13.5	931
101	Changes in land-use/land-cover patterns in Italy and their implications for biodiversity conservation. <i>Landscape Ecology</i> , 2007 , 22, 617-631	4.3	472
100	Standards for distribution models in biodiversity assessments. <i>Science Advances</i> , 2019 , 5, eaat4858	14.3	309
99	Borneo and Indochina are major evolutionary hotspots for Southeast Asian biodiversity. <i>Systematic Biology</i> , 2014 , 63, 879-901	8.4	190
98	Global habitat suitability models of terrestrial mammals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2633-41	5.8	181
97	Contribution of the Natura 2000 network to biodiversity conservation in Italy. <i>Conservation Biology</i> , 2007 , 21, 1433-44	6	161
96	Ecological networks as conceptual frameworks or operational tools in conservation. <i>Conservation Biology</i> , 2007 , 21, 1414-22	6	140
95	Projecting Global Biodiversity Indicators under Future Development Scenarios. <i>Conservation Letters</i> , 2016 , 9, 5-13	6.9	128
94	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	6.1	120
93	Gap analysis of terrestrial vertebrates in Italy: Priorities for conservation planning in a human dominated landscape. <i>Biological Conservation</i> , 2006 , 133, 455-473	6.2	116
92	A gap analysis of Southeast Asian mammals based on habitat suitability models. <i>Biological Conservation</i> , 2008 , 141, 2730-2744	6.2	102
91	The accuracy of plant assemblage prediction from species distribution models varies along environmental gradients. <i>Global Ecology and Biogeography</i> , 2013 , 22, 52-63	6.1	100
90	Setting priorities for regional conservation planning in the Mediterranean Sea. <i>PLoS ONE</i> , 2013 , 8, e590387		98
89	Assessing habitat quality for conservation using an integrated occurrence-mortality model. <i>Journal of Applied Ecology</i> , 2009 , 46, 600-609	5.8	95
88	Conserving biodiversity in production landscapes 2010 , 20, 1721-32		94
87	Future hotspots of terrestrial mammal loss. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2693-702	5.8	94
86	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	11.4	90

85	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	5	88
84	Size-dependent resistance of protected areas to land-use change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 1297-304	4.4	88
83	Ecological-economic optimization of biodiversity conservation under climate change. <i>Nature Climate Change</i> , 2011 , 1, 355-359	21.4	77
82	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	6.2	77
81	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, 2681-92	5.8	76
80	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, 2623-32	5.8	71
79	Predicting present and future intra-specific genetic structure through niche hindcasting across 24 millennia. <i>Ecology Letters</i> , 2012 , 15, 649-57	10	70
78	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, 986-95	6	70
77	Ensemble distribution models in conservation prioritization: from consensus predictions to consensus reserve networks. <i>Diversity and Distributions</i> , 2014 , 20, 309-321	5	68
76	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	1.9	67
75	Is biofuel policy harming biodiversity in Europe?. <i>GCB Bioenergy</i> , 2009 , 1, 18-34	5.6	65
74	Extraordinary range expansion in a common bat: the potential roles of climate change and urbanisation. <i>Die Naturwissenschaften</i> , 2016 , 103, 15	2	64
73	Threats from climate change to terrestrial vertebrate hotspots in Europe. <i>PLoS ONE</i> , 2013 , 8, e74989	3.7	61
72	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	5.8	54
71	Spatial mismatch of phylogenetic diversity across three vertebrate groups and protected areas in Europe. <i>Diversity and Distributions</i> , 2014 , 20, 674-685	5	54
70	Contrasting effects of temperature and precipitation change on amphibian phenology, abundance and performance. <i>Oecologia</i> , 2016 , 181, 683-93	2.9	51
69	Hotspots of species richness, threat and endemism for terrestrial vertebrates in SW Europe. <i>Acta Oecologica</i> , 2011 , 37, 399-412	1.7	51
68	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	1.8	50

67	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	1.4	49
66	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	5.8	47
65	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	3.2	46
64	Identifying fish nurseries using density and persistence measures. <i>Marine Ecology - Progress Series</i> , 2009 , 381, 287-296	2.6	46
63	Potential Impacts of Climate Change on Ecosystem Services in Europe: The Case of Pest Control by Vertebrates. <i>BioScience</i> , 2012 , 62, 658-666	5.7	42
62	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	3.7	41
61	Addressing common pitfalls does not provide more support to geographical and ecological abundant-centre hypotheses. <i>Ecography</i> , 2019 , 42, 696-705	6.5	40
60	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	6.2	38
59	Global drivers of population density in terrestrial vertebrates. <i>Global Ecology and Biogeography</i> , 2018 , 27, 968-979	6.1	37
58	Climate-based empirical models show biased predictions of butterfly communities along environmental gradients. <i>Ecography</i> , 2012 , 35, 684-692	6.5	35
57	Modeling the potential distribution for a range-expanding species: Wolf recolonization of the Alpine range. <i>Biological Conservation</i> , 2013 , 158, 63-72	6.2	33
56	Performance tradeoffs in target-group bias correction for species distribution models. <i>Ecography</i> , 2017 , 40, 1076-1087	6.5	32
55	Revisiting tree-migration rates: <i>Abies alba</i> (Mill.), a case study. <i>Vegetation History and Archaeobotany</i> , 2014 , 23, 113-122	2.6	28
54	Historical spatial baselines in conservation and management of marine resources. <i>Fish and Fisheries</i> , 2011 , 12, 289-298	6	27
53	BioScore: Cost-effective assessment of policy impact on biodiversity using species sensitivity scores. <i>Journal for Nature Conservation</i> , 2010 , 18, 142-148	2.3	27
52	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	2.6	26
51	A frequency distribution approach to hotspot identification. <i>Population Ecology</i> , 2011 , 53, 351-359	2.1	24
50	Imprints of multiple glacial refugia in the Pyrenees revealed by phylogeography and palaeodistribution modelling of an endemic spider. <i>Molecular Ecology</i> , 2016 , 25, 2046-64	5.7	24

49	Temperature Range Shifts for Three European Tree Species over the Last 10,000 Years. <i>Frontiers in Plant Science</i> , 2016 , 7, 1581	6.2	23
48	Assessing the reliability of species distribution projections in climate change research. <i>Diversity and Distributions</i> , 2021 , 27, 1035-1050	5	23
47	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	3.3	22
46	Forest changes over a century in Sardinia: implications for conservation in a Mediterranean hotspot. <i>Agroforestry Systems</i> , 2012 , 85, 319-330	2	22
45	Environment and evolutionary history shape phylogenetic turnover in European tetrapods. <i>Nature Communications</i> , 2019 , 10, 249	17.4	22
44	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	10	21
43	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	4.1	21
42	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	6.2	20
41	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	0.9	18
40	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	2.7	18
39	Meta-omics reveals genetic flexibility of diatom nitrogen transporters in response to environmental changes. <i>Molecular Biology and Evolution</i> , 2019 ,	8.3	17
38	Incorporating spatial population structure in gap analysis reveals inequitable assessments of species protection. <i>Diversity and Distributions</i> , 2014 , 20, 698-707	5	17
37	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	3.2	17
36	Climate change promotes hybridisation between deeply divergent species. <i>PeerJ</i> , 2017 , 5, e3072	3.1	16
35	Improving spatial predictions of taxonomic, functional and phylogenetic diversity. <i>Journal of Ecology</i> , 2018 , 106, 76-86	6	15
34	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	6.2	15
33	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	2	14
32	Spatial analyses of multi-trophic terrestrial vertebrate assemblages in Europe. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1636-1648	6.1	14

31	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	5	14
30	Reconciling global mammal prioritization schemes into a strategy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2722-8	5.8	14
29	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	3.4	12
28	Effectiveness of Protected Areas in Conserving Large Carnivores in Europe 2016 , 122-133		11
27	Large carnivore expansion in Europe is associated with human population density and land cover changes. <i>Diversity and Distributions</i> , 2021 , 27, 602-617	5	11
26	Unveiling the food webs of tetrapods across Europe through the prism of the Eltonian niche. <i>Journal of Biogeography</i> , 2020 , 47, 181-192	4.1	10
25	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	3.4	9
24	Past Extinctions of Homo Species Coincided with Increased Vulnerability to Climatic Change. <i>One Earth</i> , 2020 , 3, 480-490	8.1	9
23	Geographic patterns of predator niche breadth and prey species richness. <i>Ecological Research</i> , 2016 , 31, 111-115	1.9	8
22	TETRA-EU 1.0: A species-level trophic metaweb of European tetrapods. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1452-1457	6.1	7
21	Hierarchical, multi-grain rendezvous site selection by wolves in southern Italy. <i>Journal of Wildlife Management</i> , 2018 , 82, 1049-1061	1.9	7
20	Endemism and diversity in European montane mammals: macro-ecological patterns. <i>Biological Journal of the Linnean Society</i> , 2019 , 128, 225-237	1.9	5
19	Balancing conservation priorities for nature and for people in Europe. <i>Science</i> , 2021 , 372, 856-860	33.3	5
18	Frequency distribution curves and the identification of hotspots: response to comments. <i>Population Ecology</i> , 2011 , 53, 603-604	2.1	4
17	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	2.9	4
16	Assessing the reliability of species distribution projections in climate change research		3
15	A Major Change in Rate of Climate Niche Envelope Evolution during Hominid History. <i>iScience</i> , 2020 , 23, 101693	6.1	3
14	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	3.8	3

13	Drivers of change in the realised climatic niche of terrestrial mammals. <i>Ecography</i> , 2021 , 44, 1180-1190	6.5	3
12	The diversity of biotic interactions complements functional and phylogenetic facets of biodiversity.. <i>Current Biology</i> , 2022 ,	6.3	3
11	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,	3.7	2
10	The role of habitat fragmentation in Pleistocene megafauna extinction in Eurasia. <i>Ecography</i> , 2021 , 44, 1619	6.5	2
9	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	1.9	1
8	Identifying national responsibility species based on spatial conservation prioritization. <i>Biological Conservation</i> , 2019 , 236, 411-419	6.2	1
7	Addressing the Eltonian shortfall with trait-based interaction models.. <i>Ecology Letters</i> , 2022 ,	10	1
6	Drilling down hotspots of intraspecific diversity to bring them into on-ground conservation of threatened species		1
5	Is geographic sampling bias representative of environmental space?. <i>Ecological Informatics</i> , 2021 , 64, 101369	4.2	1
4	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	4.9	1
3	A new European land systems representation accounting for landscape characteristics. <i>Landscape Ecology</i> , 2021 , 36, 2215-2234	4.3	0
2	The spatial scaling of food web structure across European biogeographical regions. <i>Ecography</i> , 2021 , 44, 653-664	6.5	0
1	New Avenues for Old Travellers: Phenotypic Evolutionary Trends Meet Morphodynamics, and Both Enter the Global Change Biology Era. <i>Evolutionary Biology</i> , 1	3	