Lorenzo Marini

List of Publications by Citations

142 papers	4,690 citations	39 h-index	63 g-index
150 ext. papers	5,881 ext. citations	4.7 avg, IF	5.72 L-index

#	Paper	IF	Citations
142	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7863-E7870	11.5	265
141	A global synthesis reveals biodiversity-mediated benefits for crop production. *Science Advances*, **2019**, 5, eaax0121	14.3	259
140	The interplay of landscape composition and configuration: new pathways to manage functional biodiversity and agroecosystem services across Europe. *Ecology Letters*, **2019**, 22, 1083-1094	10	171
139	Insect pollination enhances seed yield, quality, and market value in oilseed rape. *Oecologia*, **2012**, 169, 1025-32	2.9	158
138	Vascular plant and Orthoptera diversity in relation to grassland management and landscape composition in the European Alps. *Journal of Applied Ecology*, **2007**, 45, 361-370	5.8	145
137	Climate drivers of bark beetle outbreak dynamics in Norway spruce forests. *Ecography*, **2017**, 40, 1426-1435	6.3	141
136	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. *Ecology Letters*, **2020**, 23, 1488-1498	10	115
135	Effects of local factors on plant species richness and composition of Alpine meadows. *Agriculture, Ecosystems and Environment*, **2007**, 119, 281-288	5.7	109
134	Climate affects severity and altitudinal distribution of outbreaks in an eruptive bark beetle. *Climatic Change*, **2012**, 115, 327-341	4.5	100
133	Large-scale patterns of epiphytic lichen species richness: photobiont-dependent response to climate and forest structure. *Science of the Total Environment*, **2011**, 409, 4381-6	10.2	97
132	Impact of farm size and topography on plant and insect diversity of managed grasslands in the Alps. *Biological Conservation*, **2009**, 142, 394-403	6.2	89
131	Mitigating the impacts of the decline of traditional farming on mountain landscapes and biodiversity: a case study in the European Alps. *Environmental Science and Policy*, **2011**, 14, 258-267	6.2	86
130	Response of orthopteran diversity to abandonment of semi-natural meadows. *Agriculture, Ecosystems and Environment*, **2009**, 132, 232-236	5.7	84
129	Contrasting response of native and alien plant species richness to environmental energy and human impact along alpine elevation gradients. *Global Ecology and Biogeography*, **2009**, 18, 652-661	6.1	76
128	Agricultural management, vegetation traits and landscape drive orthopteran and butterfly diversity in a grassland–forest mosaic: a multi-scale approach. *Insect Conservation and Diversity*, **2009**, 2, 213-220	3.8	75
127	Conservation tillage mitigates the negative effect of landscape simplification on biological control. *Journal of Applied Ecology*, **2016**, 53, 233-241	5.8	74
126	Hedgerow trees and extended-width field margins enhance macro-moth diversity: implications for management. *Journal of Applied Ecology*, **2012**, 49, 1396-1404	5.8	67

125	Density of insect-pollinated grassland plants decreases with increasing surrounding land-use intensity. *Ecology Letters*, **2014**, 17, 1168-77	10	66
124	Human disturbance and upward expansion of plants in a warming climate. *Nature Climate Change*, **2017**, 7, 577-580	21.4	66
123	Extinction debt for plants and flower-visiting insects in landscapes with contrasting land use history. *Diversity and Distributions*, **2014**, 20, 591-599	5	65
122	High cover of hedgerows in the landscape supports multiple ecosystem services in Mediterranean cereal fields. *Journal of Applied Ecology*, **2017**, 54, 380-388	5.8	63
121	Traits related to species persistence and dispersal explain changes in plant communities subjected to habitat loss. *Diversity and Distributions*, **2012**, 18, 898-908	5	61
120	Influence of tree age, tree size and crown structure on lichen communities in mature Alpine spruce forests. *Biodiversity and Conservation*, **2009**, 18, 1509-1522	3.4	61
119	Patterns of plant species richness in Alpine hay meadows: Local vs. landscape controls. *Basic and Applied Ecology*, **2008**, 9, 365-372	3.2	61
118	Improving the early detection of alien wood-boring beetles in ports and surrounding forests. *Journal of Applied Ecology*, **2015**, 52, 50-58	5.8	59
117	Population dynamics of the spruce bark beetle: a long-term study. *Oikos*, **2013**, 122, 1768-1776	4	59
116	Exploring associations between international trade and environmental factors with establishment patterns of exotic Scolytinae. *Biological Invasions*, **2011**, 13, 2275-2288	2.7	59
115	Beta-diversity patterns elucidate mechanisms of alien plant invasion in mountains. *Global Ecology and Biogeography*, **2013**, 22, 450-460	6.1	55
114	Epiphytic lichen diversity along elevational gradients: biological traits reveal a complex response to water and energy. *Journal of Biogeography*, **2015**, 42, 1222-1232	4.1	54
113	Alien and native plant life-forms respond differently to human and climate pressures. *Global Ecology and Biogeography*, **2012**, 21, 534-544	6.1	53
112	Disentangling effects of habitat diversity and area on orthopteran species with contrasting mobility. *Biological Conservation*, **2010**, 143, 2164-2171	6.2	53
111	Crop management modifies the benefits of insect pollination in oilseed rape. *Agriculture, Ecosystems and Environment*, **2015**, 207, 61-66	5.7	51
110	Influence of forest management on epiphytic lichens in a temperate beech forest of northern Italy. *Forest Ecology and Management*, **2007**, 247, 43-47	3.9	51
109	Landscape context and elevation affect pollinator communities in intensive apple orchards. *Basic and Applied Ecology*, **2012**, 13, 681-689	3.2	46
108	Additive partitioning of plant diversity with respect to grassland management regime, fertilisation and abiotic factors. *Basic and Applied Ecology*, **2008**, 9, 626-634	3.2	46

107	Combined effects of agrochemicals and ecosystem services on crop yield across Europe. *Ecology Letters*, **2017**, 20, 1427-1436	10	44
106	Epiphytic lichen diversity in old-growth and managed Picea abies stands in Alpine spruce forests. *Forest Ecology and Management*, **2010**, 260, 603-609	3.9	43
105	Effects of small-scale grassland fragmentation and frequent mowing on population density and species diversity of orthopterans: a long-term study. *Ecological Entomology*, **2009**, 34, 321-329	2.1	43
104	Organic farming benefits local plant diversity in vineyard farms located in intensive agricultural landscapes. *Environmental Management*, **2012**, 49, 1054-60	3.1	40
103	Pollination contribution to crop yield is often context-dependent: A review of experimental evidence. *Agriculture, Ecosystems and Environment*, **2019**, 280, 16-23	5.7	35
102	Testing scale-dependent effects of seminatural habitats on farmland biodiversity **2015**, 25, 1681-90		35
101	Testing phenotypic trade-offs in the chemical defence strategy of Scots pine under growth-limiting field conditions. *Tree Physiology*, **2014**, 34, 919-30	4.2	33
100	Effects of climate and density-dependent factors on population dynamics of the pine processionary moth in the Southern Alps. *Climatic Change*, **2013**, 121, 701-712	4.5	33
99	Exploring anthropogenic and natural processes shaping fern species richness along elevational gradients. *Journal of Biogeography*, **2011**, 38, 78-88	4.1	33
98	Developing trapping protocols for wood-boring beetles associated with broadleaf trees. *Journal of Pest Science*, **2019**, 92, 267-279	5.5	31
97	Influence of tree species on epiphytic macrolichens in temperate mixed forests of northern Italy. *Canadian Journal of Forest Research*, **2009**, 39, 785-791	1.9	31
96	Soil management shapes ecosystem service provision and trade-offs in agricultural landscapes. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	30
95	Spillover of Drosophila suzukii between noncrop and crop areas: implications for pest management. *Agricultural and Forest Entomology*, **2018**, 20, 575-581	1.9	29
94	A review of pest surveillance techniques for detecting quarantine pests in Europe. *EPPO Bulletin*, **2012**, 42, 515-551	1	29
93	Oak forest exploitation and black-locust invasion caused severe shifts in epiphytic lichen communities in Northern Italy. *Science of the Total Environment*, **2010**, 408, 5506-12	10.2	29
92	Water□nergy, land-cover and heterogeneity drivers of the distribution of plant species richness in a mountain region of the European Alps. *Journal of Biogeography*, **2008**, 35, 1826-1839	4.1	27
91	Organic farming enhances parasitoid diversity at the local and landscape scales. *Journal of Applied Ecology*, **2015**, 52, 1102-1109	5.8	26
90	Contrasting effects of habitat area and connectivity on evenness of pollinator communities. *Ecography*, **2014**, 37, 544-551	6.5	26

89	Landscape composition predicts the distribution of Philaenus spumarius, vector of Xylella fastidiosa, in olive groves. *Journal of Pest Science*, **2019**, 92, 1101-1109	5.5	25
88	Landscape composition affects parasitoid spillover. *Agriculture, Ecosystems and Environment*, **2015**, 208, 48-54	5.7	25
87	Interactive effects of area and connectivity on the diversity of tachinid parasitoids in highly fragmented landscapes. *Landscape Ecology*, **2014**, 29, 879-889	4.3	25
86	Recovery of plant diversity in restored semi-natural pastures depends on adjacent land use. *Applied Vegetation Science*, **2015**, 18, 413-422	3.3	25
85	Habitat preference of Drosophila suzukii across heterogeneous landscapes. *Journal of Pest Science*, **2019**, 92, 485-494	5.5	25
84	Habitat of an endangered saproxylic beetle, Osmoderma eremita, in Mediterranean woodlands. *Ecoscience*, **2012**, 19, 299-307	1.1	24
83	Semi-natural habitats boost Drosophila suzukii populations and crop damage in sweet cherry. *Agriculture, Ecosystems and Environment*, **2018**, 257, 152-158	5.7	23
82	Winter temperature predicts prolonged diapause in pine processionary moth species across their geographic range. *PeerJ*, **2019**, 7, e6530	3.1	23
81	Impact of urbanization on predator and parasitoid insects at multiple spatial scales. *PLoS ONE*, **2019**, 14, e0214068	3.7	22
80	Species□habitat networks: A tool to improve landscape management for conservation. *Journal of Applied Ecology*, **2019**, 56, 923-928	5.8	22
79	Is the human population a large-scale indicator of the species richness of ground beetles?. *Animal Conservation*, **2010**, 13, 432-441	3.2	21
78	Management intensity and topography determined plant diversity in vineyards. *PLoS ONE*, **2013**, 8, e76167	3.7	20
77	Empirical realised niche models for British higher and lower plants □development and preliminary testing. *Journal of Vegetation Science*, **2010**, 21, 643	3.1	20
76	Habitat and climatic preferences drive invasions of non-native ambrosia beetles in deciduous temperate forests. *Biological Invasions*, **2016**, 18, 2809-2821	2.7	20
75	Landscape simplification weakens the association between terrestrial producer and consumer diversity in Europe. *Global Change Biology*, **2017**, 23, 3040-3051	11.4	19
74	Pollination benefits are maximized at intermediate nutrient levels. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	19
73	Drivers of lichen species richness at multiple spatial scales in temperate forests. *Plant Ecology and Diversity*, **2012**, 5, 355-363	2.2	19
72	Exploring the role of wood waste landfills in early detection of non-native wood-boring beetles. *Journal of Pest Science*, **2015**, 88, 563-572	5.5	18

71	Predator and parasitoid insects along elevational gradients: role of temperature and habitat diversity. *Oecologia*, **2018**, 188, 193-202	2.9	18
70	Degradation of soil fertility can cancel pollination benefits in sunflower. *Oecologia*, **2016**, 180, 581-7	2.9	17
69	Spillover of tachinids and hoverflies from different field margins. *Basic and Applied Ecology*, **2016**, 17, 33-42	3.2	17
68	High mobility reduces beta-diversity among orthopteran communities Implications for conservation. *Insect Conservation and Diversity*, **2012**, 5, 37-45	3.8	17
67	Lichen diversity on stumps in relation to wood decay in subalpine forests of Northern Italy. *Biodiversity and Conservation*, **2008**, 17, 2661-2670	3.4	17
66	Bark and Ambrosia Beetles Show Different Invasion Patterns in the USA. *PLoS ONE*, **2016**, 11, e0158519	3.7	17
65	Do vineyards in contrasting landscapes contribute to conserve plant species of dry calcareous grasslands?. *Science of the Total Environment*, **2016**, 545-546, 244-9	10.2	16
64	Agricultural land-use in the surrounding landscape affects moorland bird diversity. *Agriculture, Ecosystems and Environment*, **2010**, 139, 578-583	5.7	16
63	Acquisition of fungi from the environment modifies ambrosia beetle mycobiome during invasion. *PeerJ*, **2019**, 7, e8103	3.1	16
62	Above- and belowground insect herbivory modifies the response of a grassland plant community to nitrogen eutrophication. *Ecology*, **2017**, 98, 545-554	4.6	15
61	Lichen diversity of coarse woody habitats in a Pinus-Larix stand in the Italian Alps. *Lichenologist*, **2008**, 40, 153-163	1.1	15
60	Solar radiation directly affects larval performance of a forest insect. *Ecological Entomology*, **2013**, 38, 553-559	2.1	14
59	Early colonization of stone by freshwater lichens of restored habitats: a case study in northern Italy. *Science of the Total Environment*, **2009**, 407, 5001-6	10.2	14
58	Exotic plant invasion in agricultural landscapes: A matter of dispersal mode and disturbance intensity. *Applied Vegetation Science*, **2018**, 21, 250-257	3.3	13
57	Using species-habitat networks to inform agricultural landscape management for spiders. *Biological Conservation*, **2019**, 239, 108275	6.2	12
56	Assessment of hedge stand types as determinants of woody species richness in rural field margins. *IForest*, **2013**, 6, 201-208	1.3	12
55	Scale-dependence of the correlation between human population and the species richness of stream macro-invertebrates. *Basic and Applied Ecology*, **2010**, 11, 272-280	3.2	11
54	Influences of tree age and tree structure on the macrolichen Letharia vulpina: A case study in the Italian Alps. *Ecoscience*, **2008**, 15, 423-428	1.1	11

53	A global synthesis reveals biodiversity-mediated benefits for crop production		11
52	Consistent population declines but idiosyncratic range shifts in Alpine orchids under global change. *Nature Communications*, **2020**, 11, 5835	17.4	11
51	Density-dependence in the declining population of the monarch butterfly. *Scientific Reports*, **2017**, 7, 13957	4.9	10
50	Distribution of Norway spruce bark and wood-boring beetles along Alpine elevational gradients. *Agricultural and Forest Entomology*, **2014**, 16, 111-118	1.9	10
49	Hydrochemistry, water table depth and related distribution patterns of vascular plants in a mixed mire. *Plant Biosystems*, **2008**, 142, 79-86	1.6	10
48	Epiphytic lichens in a riparian Natural Reserve of northern Italy: Species richness, composition and conservation. *Plant Biosystems*, **2008**, 142, 94-98	1.6	10
47	Crop rotations sustain cereal yields under a changing climate. *Environmental Research Letters*, **2020**, 15, 124011	6.2	10
46	Coppicing and plant diversity in a lowland wood remnant in North□East Italy. *Plant Biosystems*, **2020** , 154, 173-180	1.6	10
45	Fungal pathogen and ethanol affect host selection and colonization success in ambrosia beetles. *Agricultural and Forest Entomology*, **2020**, 22, 1-9	1.9	10
44	Vertical stratification of ichneumonid wasp communities: the effects of forest structure and life-history traits. *Insect Science*, **2015**, 22, 688-99	3.6	9
43	Could Hair-Lichens of High-Elevation Forests Help Detect the Impact of Global Change in the Alps?. *Diversity*, **2019**, 11, 45	2.5	8
42	Drought and soil fertility modify fertilization effects on aphid performance in wheat. *Basic and Applied Ecology*, **2018**, 30, 23-31	3.2	8
41	Positive regional species□people correlations: a sampling artefact or a key issue for sustainable development?. *Animal Conservation*, **2010**, 13, 446-447	3.2	8
40	Testing indicators of epiphytic lichen diversity: a case study in N Italy. *Biodiversity and Conservation*, **2007**, 16, 3377-3383	3.4	8
39	Species traits elucidate crop pest response to landscape composition: a global analysis. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20202116	4.4	8
38	Impact of an invasive herbivore and human trampling on lichen-rich dry grasslands: Soil-dependent response of multiple taxa. *Science of the Total Environment*, **2018**, 639, 633-639	10.2	8
37	Efficacy of Two Common Methods of Application of Residual Insecticide for Controlling the Asian Tiger Mosquito, Aedes albopictus (Skuse), in Urban Areas. *PLoS ONE*, **2015**, 10, e0134831	3.7	7
36	Effect of reduction in sampling effort for monitoring epiphytic lichen diversity in forests. *Community Ecology*, **2010**, 11, 250-256	1.2	7

35	A multi-scale study of Orthoptera species richness and human population size controlling for sampling effort. *Die Naturwissenschaften*, **2010**, 97, 265-71	2	7
34	Freshwater lichens in springs of the eastern Italian Alps: floristics, ecology and potential for bioindication. *Annales De Limnologie*, **2007**, 43, 285-292	0.7	7
33	Integrated management of Drosophila suzukii in sweet cherry orchards. *Entomologia Generalis*, **2020**, 40, 297-305	5.3	7
32	Seed predation intensity and stability in agro-ecosystems: Role of predator diversity and soil disturbance. *Agriculture, Ecosystems and Environment*, **2020**, 288, 106720	5.7	7
31	Biodiversity and conservation of terricolous lichens and bryophytes in continental lowlands of northern Italy: the role of different dry habitat types. *Biodiversity and Conservation*, **2020**, 29, 3533-3550	3.4	7
30	Conservation tillage reduces the negative impact of urbanisation on carabid communities. *Insect Conservation and Diversity*, **2016**, 9, 438-445	3.8	7
29	Habitat loss and alien tree invasion reduce defoliation intensity of an eruptive forest pest. *Forest Ecology and Management*, **2019**, 433, 497-503	3.9	7
28	Plant health surveys for the EU territory: an analysis of data quality and methodologies and the resulting uncertainties for pest risk assessment (PERSEUS) CFP/EFSA/PLH/2010/01. *EFSA Supporting Publications*, **2014**, 11,	1.1	6
27	Effect of Trap Color on Captures of Bark-and Wood-Boring Beetles (Coleoptera; Buprestidae and Scolytinae) and Associated Predators. *Insects*, **2020**, 11,	2.8	5
26	Environmental heterogeneity effects on predator and parasitoid insects vary across spatial scales and seasons: a multi-taxon approach. *Insect Conservation and Diversity*, **2017**, 10, 462-471	3.8	5
25	Epiphytic lichen vegetation on Larix in the Italian Alps. *Plant Biosystems*, **2006**, 140, 132-137	1.6	5
24	Exploiting trap color to improve surveys of longhorn beetles. *Journal of Pest Science*, **2021**, 94, 871-883	5.5	5
23	Oviposition site preference of Barbitistes vicetinus (Orthoptera, Tettigoniidae) during outbreaks. *Agricultural and Forest Entomology*, **2018**, 20, 414-419	1.9	5
22	Establishment dynamics of native and exotic plants after disturbance along roadsides. *Applied Vegetation Science*, **2020**, 23, 277-284	3.3	4
21	Effect of insect herbivory on plant community dynamics under contrasting water availability levels. *Journal of Ecology*, **2018**, 106, 1819-1828	6	4
20	Cross-taxon congruence between predatory arthropods and plants across Mediterranean agricultural landscapes. *Ecological Indicators*, **2021**, 123, 107366	5.8	4
19	Impact of dairy farming on butterfly diversity in Alpine summer pastures. *Agriculture, Ecosystems and Environment*, **2016**, 232, 38-45	5.7	3
18	A list of methods to detect arthropod quarantine pests in Europe*. *EPPO Bulletin*, **2012**, 42, 93-94	1	3

17	Spatial synchrony in Drosophila suzukii population dynamics along elevational gradients. *Ecological Entomology*, **2019**, 44, 182-189	2.1	3
16	Emergence phenology and temperature effect on the post-diapause egg development in the bush cricket (Orthoptera, Tettigoniidae). *Bulletin of Entomological Research*, **2020**, 110, 161-168	1.7	3
15	Species-habitat networks elucidate landscape effects on habitat specialisation of natural enemies and pollinators. *Ecology Letters*, **2021**, 24, 288-297	10	3
14	Contrasting response of native and non-native plants to disturbance and herbivory in mountain environments. *Journal of Biogeography*, **2021**, 48, 1594-1605	4.1	3
13	Soil pathogen-aphid interactions under differences in soil organic matter and mineral fertilizer. *PLoS ONE*, **2017**, 12, e0179695	3.7	2
12	The inclusion of overlooked lichen microhabitats in standardized forest biodiversity monitoring. *Lichenologist*, **2018**, 50, 231-237	1.1	2
11	Urban sprawl facilitates invasions of exotic plants across multiple spatial scales. *Biological Invasions*,1	2.7	2
10	Impact of Stand and Landscape Management on Forest Pest Damage. *Annual Review of Entomology* , **2021**,	21.8	2
9	Ground Cover Management in Olive Groves Reduces Populations of Philaenus spumarius (Hemiptera: Aphrophoridae), Vector of Xylella fastidiosa. *Journal of Economic Entomology*, **2021**, 114, 1716-1721	2.2	2
8	Contrasting effects of exotic plant invasions and managed honeybees on plant–flower visitor interactions. *Diversity and Distributions*, **2020**, 26, 1397-1408	5	1
7	Effects of natural pyrethrum and synthetic pyrethroids on the tiger mosquito, Aedes albopictus (skuse) and non-target flower-visiting insects in urban green areas of Padua, Italy. *International Journal of Pest Management*, **2020**, 66, 215-221	1.5	1
6	Effects of temperature and plant diversity on orthopterans and leafhoppers in calcareous dry grasslands. *Journal of Insect Conservation*, **2021**, 25, 287-296	2.1	1
5	Can extensively managed perennial crops serve as surrogate habitat for orthopterans typical of dry calcareous grasslands?. *Agriculture, Ecosystems and Environment*, **2021**, 319, 107536	5.7	1
4	Role of abandoned grasslands in the conservation of spider communities across heterogeneous mountain landscapes. *Agriculture, Ecosystems and Environment*, **2021**, 319, 107526	5.7	1
3	Habitat type and community age as barriers to alien plant invasions in coastal species-habitat networks. *Ecological Indicators*, **2021**, 133, 108450	5.8	1
2	Drought, nitrogen deposition and arthropod herbivory modify plant establishment dynamics after soil disturbance. *Science of the Total Environment*, **2021**, 796, 148956	10.2	0
1	Functional traits of plants and pollinators explain resource overlap between honeybees and wild pollinators.. *Oecologia*, **2022**, 1	2.9	0