

Marco D Moretti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5193698/publications.pdf>

Version: 2024-02-01

119
papers

9,361
citations

61984

43
h-index

43889

91
g-index

123
all docs

123
docs citations

123
times ranked

13139
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving indicator species analysis by combining groups of sites. <i>Oikos</i> , 2010, 119, 1674-1684.	2.7	1,041
2	TRY plant trait database " enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
3	CWM and Rao's quadratic diversity: a unified framework for functional ecology. <i>Oecologia</i> , 2011, 167, 181-188.	2.0	388
4	Functional traits as indicators of biodiversity response to land use changes across ecosystems and organisms. <i>Biodiversity and Conservation</i> , 2010, 19, 2921-2947.	2.6	385
5	Towards an integrated understanding of green space in the European built environment. <i>Urban Forestry and Urban Greening</i> , 2009, 8, 65-75.	5.3	322
6	Handbook of protocols for standardized measurement of terrestrial invertebrate functional traits. <i>Functional Ecology</i> , 2017, 31, 558-567.	3.6	290
7	Exotic invasive knotweeds (<i>Fallopia</i> spp.) negatively affect native plant and invertebrate assemblages in European riparian habitats. <i>Biological Conservation</i> , 2008, 141, 646-654.	4.1	249
8	Research trends in ecosystem services provided by insects. <i>Basic and Applied Ecology</i> , 2018, 26, 8-23.	2.7	216
9	Biotic interactions in species distribution modelling: 10 questions to guide interpretation and avoid false conclusions. <i>Global Ecology and Biogeography</i> , 2018, 27, 1004-1016.	5.8	211
10	A novel framework for linking functional diversity of plants with other trophic levels for the quantification of ecosystem services. <i>Journal of Vegetation Science</i> , 2013, 24, 942-948.	2.2	209
11	Impacts of urbanisation on biodiversity: the role of species mobility, degree of specialisation and spatial scale. <i>Oikos</i> , 2015, 124, 1571-1582.	2.7	204
12	Measuring the functional redundancy of biological communities: a quantitative guide. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1386-1395.	5.2	197
13	Habitat connectivity shapes urban arthropod communities: the key role of green roofs. <i>Ecology</i> , 2014, 95, 1010-1021.	3.2	191
14	Biodiversity and resilience of arthropod communities after fire disturbance in temperate forests. <i>Oecologia</i> , 2006, 149, 312-327.	2.0	186
15	sPlot " A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	2.2	185
16	Agricultural Policies Exacerbate Honeybee Pollination Service Supply-Demand Mismatches Across Europe. <i>PLoS ONE</i> , 2014, 9, e82996.	2.5	171
17	Arthropod biodiversity after forest fires: winners and losers in the winter fire regime of the southern Alps. <i>Ecography</i> , 2004, 27, 173-186.	4.5	168
18	Taxonomical vs. functional responses of bee communities to fire in two contrasting climatic regions. <i>Journal of Animal Ecology</i> , 2009, 78, 98-108.	2.8	165

#	ARTICLE	IF	CITATIONS
19	Importance of species abundance for assessment of trait composition: an example based on pollinator communities. <i>Community Ecology</i> , 2007, 8, 163-170.	0.9	164
20	Response of arthropod species richness and functional groups to urban habitat structure and management. <i>Landscape Ecology</i> , 2010, 25, 941-954.	4.2	154
21	How to manage the urban green to improve bird diversity and community structure. <i>Landscape and Urban Planning</i> , 2011, 101, 278-285.	7.5	139
22	Combining plant and animal traits to assess community functional responses to disturbance. <i>Ecography</i> , 2009, 32, 299-309.	4.5	124
23	Understanding biodiversity-ecosystem service relationships in urban areas: A comprehensive literature review. <i>Ecosystem Services</i> , 2017, 27, 161-171.	5.4	117
24	Spider, bee, and bird communities in cities are shaped by environmental control and high stochasticity. <i>Ecology</i> , 2010, 91, 3343-3353.	3.2	109
25	Litter decomposition driven by soil fauna, plant diversity and soil management in urban gardens. <i>Science of the Total Environment</i> , 2019, 658, 1614-1629.	8.0	98
26	Urban arthropod communities: Added value or just a blend of surrounding biodiversity?. <i>Landscape and Urban Planning</i> , 2011, 103, 347-361.	7.5	97
27	An experimental framework to identify community functional components driving ecosystem processes and services delivery. <i>Journal of Ecology</i> , 2013, 101, 29-37.	4.0	89
28	Impacts of urban sprawl on species richness of plants, butterflies, gastropods and birds: not only built-up area matters. <i>Urban Ecosystems</i> , 2016, 19, 225-242.	2.4	79
29	Herbivory mediated by coupling between biomechanical traits of plants and grasshoppers. <i>Functional Ecology</i> , 2013, 27, 479-489.	3.6	76
30	Towards an integrative approach to evaluate the environmental ecosystem services provided by urban forest. <i>Journal of Forestry Research</i> , 2019, 30, 1981-1996.	3.6	73
31	Spider Trait Assembly Patterns and Resilience under Fire-Induced Vegetation Change in South Brazilian Grasslands. <i>PLoS ONE</i> , 2013, 8, e60207.	2.5	73
32	Habitat connectivity and local conditions shape taxonomic and functional diversity of arthropods on green roofs. <i>Journal of Animal Ecology</i> , 2017, 86, 521-531.	2.8	71
33	The effects of wildfire on ground-active spiders in deciduous forests on the Swiss southern slope of the Alps. <i>Journal of Applied Ecology</i> , 2008, 39, 321-336.	4.0	69
34	Plant functional traits reveal the relative contribution of habitat and food preferences to the diet of grasshoppers. <i>Oecologia</i> , 2013, 173, 1459-1470.	2.0	69
35	Linking traits between plants and invertebrate herbivores to track functional effects of land-use changes. <i>Journal of Vegetation Science</i> , 2013, 24, 949-962.	2.2	68
36	Residents' preferences and use of urban and peri-urban green spaces in a Swiss mountainous region of the Southern Alps. <i>Urban Forestry and Urban Greening</i> , 2015, 14, 139-147.	5.3	68

#	ARTICLE	IF	CITATIONS
37	The origin of urban communities: From the regional species pool to community assemblages in city. <i>Journal of Biogeography</i> , 2020, 47, 615-629.	3.0	64
38	Psychological restoration in urban gardens related to garden type, biodiversity and garden-related stress. <i>Landscape and Urban Planning</i> , 2020, 198, 103777.	7.5	63
39	Fire-induced taxonomic and functional changes in saproxylic beetle communities in fire sensitive regions. <i>Ecography</i> , 2010, 33, 760-771.	4.5	59
40	Exotic or not, leaf trait dissimilarity modulates the effect of dominant species on mixed litter decomposition. <i>Journal of Ecology</i> , 2016, 104, 1400-1409.	4.0	59
41	How Does the Amount and Composition of PM Deposited on <i>Platanus acerifolia</i> Leaves Change Across Different Cities in Europe?. <i>Environmental Science & Technology</i> , 2017, 51, 1147-1156.	10.0	55
42	Selection of Multiple Umbrella Species for Functional and Taxonomic Diversity to Represent Urban Biodiversity. <i>Conservation Biology</i> , 2014, 28, 414-426.	4.7	53
43	Urban bumblebees are smaller and more phenotypically diverse than their rural counterparts. <i>Journal of Animal Ecology</i> , 2019, 88, 1522-1533.	2.8	51
44	A Research Agenda for Urban Biodiversity in the Global Extinction Crisis. <i>BioScience</i> , 2021, 71, 268-279.	4.9	51
45	Contrasting trait assembly patterns in plant and bird communities along environmental and human-induced land-use gradients. <i>Ecography</i> , 2017, 40, 753-763.	4.5	49
46	Toward the use of testate amoeba functional traits as indicator of floodplain restoration success. <i>European Journal of Soil Biology</i> , 2012, 49, 85-91.	3.2	47
47	Impact of windthrow and salvage-logging on taxonomic and functional diversity of forest arthropods. <i>Forest Ecology and Management</i> , 2017, 391, 9-18.	3.2	46
48	Urban biodiversity: State of the science and future directions. <i>Urban Ecosystems</i> , 2022, 25, 1083-1096.	2.4	44
49	Can a trait-based multi-taxa approach improve our assessment of forest management impact on biodiversity?. <i>Biodiversity and Conservation</i> , 2013, 22, 2957-2975.	2.6	43
50	A Gardener's Influence on Urban Soil Quality. <i>Frontiers in Environmental Science</i> , 0, 6, .	3.3	42
51	Diversity in form and function: Vertical distribution of soil fauna mediates multidimensional trait variation. <i>Journal of Animal Ecology</i> , 2018, 87, 933-944.	2.8	42
52	Response of bat species to sylvo-pastoral abandonment. <i>Forest Ecology and Management</i> , 2011, 261, 789-798.	3.2	41
53	The effect of natural disturbances on forest biodiversity: an ecological synthesis. <i>Biological Reviews</i> , 2022, 97, 1930-1947.	10.4	40
54	Functional responses of multitaxa communities to disturbance and stress gradients in a restored floodplain. <i>Journal of Applied Ecology</i> , 2015, 52, 1364-1373.	4.0	38

#	ARTICLE	IF	CITATIONS
55	Disentangling community functional components in a litterâ€macrodetritivore model system reveals the predominance of the mass ratio hypothesis. <i>Ecology and Evolution</i> , 2014, 4, 408-416.	1.9	37
56	The effects of wildfires on wood-eating beetles in deciduous forests on the southern slope of the Swiss Alps. <i>Forest Ecology and Management</i> , 2004, 187, 85-103.	3.2	33
57	Species indicators of ecosystem recovery after reducing large herbivore density: Comparing taxa and testing species combinations. <i>Ecological Indicators</i> , 2014, 38, 12-19.	6.3	32
58	Cuckoo and biodiversity: Testing the correlation between species occurrence and bird species richness in Europe. <i>Biological Conservation</i> , 2015, 190, 123-132.	4.1	31
59	Management pressure drives leafhopper communities in vineyards in Southern Switzerland. <i>Insect Conservation and Diversity</i> , 2012, 5, 75-85.	3.0	30
60	Direct and indirect effects of urban gardening on aboveground and belowground diversity influencing soil multifunctionality. <i>Scientific Reports</i> , 2019, 9, 9769.	3.3	30
61	A New Measure of Functional Evenness and Some of Its Properties. <i>PLoS ONE</i> , 2014, 9, e104060.	2.5	28
62	Predation risk shaped by habitat and landscape complexity in urban environments. <i>Journal of Applied Ecology</i> , 2018, 55, 2343-2353.	4.0	27
63	Contrasting processes drive alpha and beta taxonomic, functional and phylogenetic diversity of orthopteran communities in grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2017, 242, 43-52.	5.3	26
64	The common cuckoo is an effective indicator of high bird species richness in Asia and Europe. <i>Scientific Reports</i> , 2017, 7, 4376.	3.3	24
65	Urban Soil Quality Assessmentâ€”A Comprehensive Case Study Dataset of Urban Garden Soils. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	24
66	Ground beetle (Coleoptera: Carabidae) communities on green roofs in Switzerland: synthesis and perspectives. <i>Urban Ecosystems</i> , 2018, 21, 119-132.	2.4	22
67	Woody biomass removal in harvested boreal forest leads to a partial functional homogenization of soil mesofaunal communities relative to unharvested forest. <i>Soil Biology and Biochemistry</i> , 2019, 133, 129-136.	8.8	22
68	Response of bats and nocturnal insects to urban green areas in Europe. <i>Basic and Applied Ecology</i> , 2021, 51, 59-70.	2.7	22
69	Seasonal Survival Probabilities Suggest Low Migration Mortality in Migrating Bats. <i>PLoS ONE</i> , 2014, 9, e85628.	2.5	21
70	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020, 29, 281-294.	5.8	21
71	How wild bees find a way in European cities: Pollen metabarcoding unravels multiple feeding strategies and their effects on distribution patterns in four wild bee species. <i>Journal of Applied Ecology</i> , 2022, 59, 457-470.	4.0	19
72	Quantifying functional diversity with graph-theoretical measures: advantages and pitfalls. <i>Community Ecology</i> , 2008, 9, 11-16.	0.9	18

#	ARTICLE	IF	CITATIONS
73	Assessing the functional turnover of species assemblages with tailored dissimilarity matrices. <i>Oikos</i> , 2010, 119, 1089-1098.	2.7	18
74	Research agenda on biodiversity and ecosystem functions and services in European cities. <i>Basic and Applied Ecology</i> , 2021, 53, 124-133.	2.7	18
75	Modelling the influence of change in fire regime on the local distribution of a Mediterranean pyrophytic plant species (<i>Cistus salviifolius</i>) at its northern range limit. <i>Journal of Biogeography</i> , 2006, 33, 1492-1502.	3.0	17
76	Applying predictive models to study the ecological properties of urban ecosystems: A case study in Zürich, Switzerland. <i>Landscape and Urban Planning</i> , 2021, 214, 104137.	7.5	17
77	Occurrence and assemblage composition of millipedes (Myriapoda, Diplopoda) and terrestrial isopods (Crustacea, Isopoda, Oniscidea) in urban areas of Switzerland. <i>ZooKeys</i> , 2012, 176, 199-214.	1.1	16
78	Factors shaping community assemblages and species co-occurrence of different trophic levels. <i>Ecology and Evolution</i> , 2017, 7, 4745-4754.	1.9	16
79	Urban forest invertebrates: how they shape and respond to the urban environment. <i>Urban Ecosystems</i> , 2022, 25, 1589-1609.	2.4	16
80	Roost selection by non-breeding Leisler's bats (<i>Nyctalus leisleri</i>) in montane woodlands: implications for habitat management. <i>Acta Chiropterologica</i> , 2008, 10, 81-88.	0.6	15
81	Indicators for taxonomic and functional aspects of biodiversity in the vineyard agroecosystem of Southern Switzerland. <i>Biological Conservation</i> , 2014, 170, 103-109.	4.1	15
82	A classical measure of phylogenetic dissimilarity and its relationship with beta diversity. <i>Basic and Applied Ecology</i> , 2015, 16, 10-18.	2.7	15
83	Different sets of traits explain abundance and distribution patterns of European plants at different spatial scales. <i>Journal of Vegetation Science</i> , 2021, 32, e13016.	2.2	15
84	Cuckoo as indicator of high functional diversity of bird communities: A new paradigm for biodiversity surrogacy. <i>Ecological Indicators</i> , 2017, 72, 565-573.	6.3	14
85	Integrating data from National Forest Inventories into socio-cultural forest monitoring – a new approach. <i>Scandinavian Journal of Forest Research</i> , 2020, 35, 274-285.	1.4	13
86	Challenging the sustainability of urban beekeeping using evidence from Swiss cities. <i>Npj Urban Sustainability</i> , 2022, 2, .	8.0	13
87	Herbivory differentially alters litter dynamics of two functionally contrasted grasses. <i>Functional Ecology</i> , 2013, 27, 1064-1074.	3.6	12
88	Functional Responses and Resilience of Boreal Forest Ecosystem after Reduction of Deer Density. <i>PLoS ONE</i> , 2014, 9, e90437.	2.5	12
89	Research Note: Garden-owner reported habitat heterogeneity predicts plant species richness in urban gardens. <i>Landscape and Urban Planning</i> , 2019, 185, 222-227.	7.5	12
90	Response of dung beetle assemblages to grazing intensity in two distinct bioclimatic contexts. <i>Agriculture, Ecosystems and Environment</i> , 2020, 289, 106740.	5.3	12

#	ARTICLE	IF	CITATIONS
91	Reconciling trait based perspectives along a traitâ€”integration continuum. <i>Ecology</i> , 2021, 102, e03472.	3.2	12
92	Arthropod diversity in pristine vs. managed beech forests in Transcarpathia (Western Ukraine). <i>Global Ecology and Conservation</i> , 2015, 3, 72-82.	2.1	11
93	Intraspecific niche partitioning in macrodetritivores enhances mixed leaf litter decomposition. <i>Functional Ecology</i> , 2019, 33, 2391-2401.	3.6	10
94	Effects of garden management practices, by different types of gardeners, on human wellbeing and ecological and soil sustainability in Swiss cities. <i>Urban Ecosystems</i> , 2019, 22, 189-199.	2.4	10
95	Ã–kologische Resilienz nach Feuer: Die WaldbrandflÃ”che Leuk als Modellfall Ecological resilience after fire: the forest fire area above Leuk as a model case study. <i>Schweizerische Zeitschrift Fur Forstwesen</i> , 2005, 156, 345-352.	0.1	10
96	Determinants for the conservation of a vulnerable fire-dependent species at its marginal range. <i>Plant Ecology</i> , 2008, 199, 89-98.	1.6	9
97	Herbivore species identity mediates interspecific competition between plants. <i>Community Ecology</i> , 2013, 14, 41-47.	0.9	9
98	A comprehensive dataset on cultivated and spontaneously growing vascular plants in urban gardens. <i>Data in Brief</i> , 2019, 25, 103982.	1.0	9
99	Direct and Indirect Effects of Forest Anthropogenic Disturbance on Above and Below Ground Communities and Litter Decomposition. <i>Ecosystems</i> , 2021, 24, 1716-1737.	3.4	9
100	A dataset of the flowering plants (Angiospermae) in urban green areas in five European cities. <i>Data in Brief</i> , 2021, 37, 107243.	1.0	9
101	Spatial and temporal variations of aridity shape dung beetle assemblages towards the Sahara desert. <i>PeerJ</i> , 2018, 6, e5210.	2.0	9
102	Negative relationship between woody species density and size of urban green spaces in seven European cities. <i>Urban Forestry and Urban Greening</i> , 2022, 74, 127650.	5.3	9
103	Multiscale Determinants Drive Parasitization of Drosophilidae by Hymenopteran Parasitoids in Agricultural Landscapes. <i>Insects</i> , 2020, 11, 334.	2.2	8
104	Ecological infrastructures across Mediterranean agroecosystems: Towards an effective tool for evaluating their ecological quality. <i>Agricultural Systems</i> , 2019, 173, 355-363.	6.1	7
105	Negative Consequences of Forearm Bands that are Too Small for Bats. <i>Acta Chiropterologica</i> , 2009, 11, 216-219.	0.6	6
106	Bird response to woody pastoral management of ancient chestnut orchards: A case study from the southern Alps. <i>Forest Ecology and Management</i> , 2019, 453, 117560.	3.2	5
107	Fire and windthrow in forests: Winners and losers in Neuropterida and Mecoptera. <i>Alpine Entomology</i> , 0, 3, 39-50.	0.2	5
108	The presence of Soprano pipistrelle <i>Pipistrellus pygmaeus</i> (Leach, 1825) in Switzerland: first molecular and bioacoustic evidences. <i>Revue Suisse De Zoologie</i> , 2003, 110, 411-426.	0.3	5

#	ARTICLE	IF	CITATIONS
109	The Influence of Fine-Scale Grazing Heterogeneity on Dung Beetle Assemblages: What Trait Analysis Teaches Us. <i>Environmental Entomology</i> , 2021, , .	1.4	4
110	Designing sampling protocols for plant-pollinator interactions - timing, meteorology, flowering variations and failed captures matter. <i>Botany Letters</i> , 2021, 168, 324-332.	1.4	4
111	A partial ordering approach for functional diversity. <i>Theoretical Population Biology</i> , 2011, 80, 114-120.	1.1	3
112	Reproductive trait differences drive offspring production in urban cavity-nesting bees and wasps. <i>Ecology and Evolution</i> , 2021, 11, 9932-9948.	1.9	3
113	Wiederbesiedlung der Waldbrandfläche von Leuk durch Gliederfüßer. <i>Schweizerische Zeitschrift Fur Forstwesen</i> , 2018, 169, 290-298.	0.1	2
114	From the South and from the North? – <i>Quilnus marcosi</i> Heiss & Baena and <i>Aradus angularis</i> J. Sahlberg, two flat bug species new for Central Europe (Hemiptera, Heteroptera, Aradidae). <i>Alpine Entomology</i> , 2018, 2, 7-14.	0.2	2
115	Genetic diversity and reproductive ecology of the sage-leaved rockrose, <i>Cistus salviifolius</i> L., in the Swiss Alps. <i>Plant Ecology</i> , 2020, 221, 361-374.	1.6	1
116	Wild bee larval food composition in five European cities. <i>Ecology</i> , 2022, , e3740.	3.2	1
117	Ecologia degli incendi nella Svizzera sudalpina: effetti su suolo, vegetazione e fauna Fire ecology on the southern side of the Alps in Switzerland: Effect on soil, vegetation and fauna. <i>Schweizerische Zeitschrift Fur Forstwesen</i> , 2005, 156, 338-344.	0.1	0
118	Fréquence de quelques chiroptères durant l'Holocène. <i>Geographica Helvetica</i> , 2008, 63, 188-192.	0.8	0
119	Tracking sucking herbivory with nitrogen isotope labelling: Lessons from an individual trait-based approach. <i>Basic and Applied Ecology</i> , 2022, 63, 104-114.	2.7	0