

Matteo Dainese

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

4,665
citations

236925

25
h-index

168389

53
g-index

63
all docs

63
docs citations

63
times ranked

7922
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	A global synthesis reveals biodiversity-mediated benefits for crop production. <i>Science Advances</i> , 2019, 5, eaax0121.	10.3	524
3	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
4	Global trait“environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	7.8	397
5	The interplay of landscape composition and configuration: new pathways to manage functional biodiversity and agroecosystem services across Europe. <i>Ecology Letters</i> , 2019, 22, 1083-1094.	6.4	364
6	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. <i>Ecology Letters</i> , 2020, 23, 1488-1498.	6.4	319
7	Mass“flowering crops dilute pollinator abundance in agricultural landscapes across Europe. <i>Ecology Letters</i> , 2016, 19, 1228-1236.	6.4	195
8	Human disturbance and upward expansion of plants in a warming climate. <i>Nature Climate Change</i> , 2017, 7, 577-580.	18.8	97
9	High cover of hedgerows in the landscape supports multiple ecosystem services in Mediterranean cereal fields. <i>Journal of Applied Ecology</i> , 2017, 54, 380-388.	4.0	86
10	Global synthesis of effects of plant species diversity on trophic groups and interactions. <i>Nature Plants</i> , 2020, 6, 503-510.	9.3	83
11	Plant species diversity in alien black locust stands: A paired comparison with native stands across a north-Mediterranean range expansion. <i>Forest Ecology and Management</i> , 2012, 285, 85-91.	3.2	70
12	Complementarity among natural enemies enhances pest suppression. <i>Scientific Reports</i> , 2017, 7, 8172.	3.3	58
13	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	12.8	52
14	Stand structure and plant species diversity in managed and abandoned silver fir mature woodlands. <i>Forest Ecology and Management</i> , 2012, 270, 232-238.	3.2	50
15	Traditional plant functional groups explain variation in economic but not size“related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019, 28, 78-95.	5.8	49
16	Testing scale“dependent effects of seminatural habitats on farmland biodiversity. <i>Ecological Applications</i> , 2015, 25, 1681-1690.	3.8	48
17	Different effects of elevation, habitat fragmentation and grazing management on the functional, phylogenetic and taxonomic structure of mountain grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 44-53.	2.7	47
18	Patterns of traffic polycyclic aromatic hydrocarbon pollution in mountain areas can be revealed by lichen biomonitoring: A case study in the Dolomites (Eastern Italian Alps). <i>Science of the Total Environment</i> , 2014, 475, 90-96.	8.0	43

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19	Managing trap-nesting bees as crop pollinators: Spatiotemporal effects of floral resources and antagonists. <i>Journal of Applied Ecology</i> , 2018, 55, 195-204.	4.0	41
20	Growth prediction for five tree species in an Italian urban forest. <i>Urban Forestry and Urban Greening</i> , 2011, 10, 169-176.	5.3	40
21	Contrasting responses of epiphytic and dead wood-dwelling lichen diversity to forest management abandonment in silver fir mature woodlands. <i>Forest Ecology and Management</i> , 2013, 289, 325-332.	3.2	38
22	Plant traits across different habitats of the Italian Alps: a comparative analysis between native and alien species. <i>Alpine Botany</i> , 2012, 122, 11-21.	2.4	33
23	Understanding the pathways from biodiversity to agro-ecological outcomes: A new, interactive approach. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107053.	5.3	32
24	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. <i>Global Change Biology</i> , 2021, 27, 1387-1407.	9.5	32
25	Species traits elucidate crop pest response to landscape composition: a global analysis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202116.	2.6	30
26	Alien plant species distribution in the European Alps: influence of species' climatic requirements. <i>Biological Invasions</i> , 2014, 16, 815-831.	2.4	29
27	Landscape simplification weakens the association between terrestrial producer and consumer diversity in Europe. <i>Global Change Biology</i> , 2017, 23, 3040-3051.	9.5	28
28	Assembly patterns of soil-dwelling lichens after glacier retreat in the European Alps. <i>Journal of Biogeography</i> , 2017, 44, 1393-1404.	3.0	27
29	Plant and animal diversity in a region of the Southern Alps: the role of environmental and spatial processes. <i>Landscape Ecology</i> , 2012, 27, 417-431.	4.2	26
30	Assessing the influence of environmental gradients on seed mass variation in mountain grasslands using a spatial phylogenetic filtering approach. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 12-19.	2.7	24
31	Models of natural pest control: Towards predictions across agricultural landscapes. <i>Biological Control</i> , 2021, 163, 104761.	3.0	22
32	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
33	Seed Harvesting for Ecological Restoration: Efficiency of Haymaking and Seed-Stripping on Different Grassland Types in the Eastern Italian Alps. <i>Ecological Restoration</i> , 2009, 27, 66-75.	0.5	20
34	Do climate, resource availability, and grazing pressure filter floristic composition and functioning in Alpine pastures?. <i>Community Ecology</i> , 2012, 13, 45-54.	0.9	19
35	<sc>CropPol</sc>: A dynamic, open and global database on crop pollination. <i>Ecology</i> , 2022, 103, e3614.	3.2	19
36	Topsoil organic matter properties in contrasted hedgerow vegetation types. <i>Plant and Soil</i> , 2014, 383, 337-348.	3.7	18

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37	Epiphytic lichen conservation in the Italian Alps: the role of forest type. <i>Fungal Ecology</i> , 2014, 11, 164-172.	1.6	18
38	Spillover of tachinids and hoverflies from different field margins. <i>Basic and Applied Ecology</i> , 2016, 17, 33-42.	2.7	17
39	Impact of land use intensity and temperature on the reproductive performance of <i>Dactylis glomerata</i> populations in the southeastern Alps. <i>Plant Ecology</i> , 2011, 212, 651-661.	1.6	15
40	Networks of epiphytic lichens and host trees along elevation gradients: Climate change implications in mountain ranges. <i>Journal of Ecology</i> , 2021, 109, 1122-1132.	4.0	15
41	Contrasting multi-taxa diversity patterns between abandoned and non-intensively managed forests in the southern Dolomites. <i>IForest</i> , 2017, 10, 845-850.	1.4	14
42	Exploring patterns of beta-diversity to test the consistency of biogeographical boundaries: A case study across forest plant communities of Italy. <i>Ecology and Evolution</i> , 2019, 9, 11716-11723.	1.9	11
43	Archetype models upscale understanding of natural pest control response to land-use change. <i>Ecological Applications</i> , 2022, 32, .	3.8	11
44	Seed production of an <i>Arrhenatherion elatioris</i> hay-meadow in the eastern Italian Alps. <i>Grass and Forage Science</i> , 2009, 64, 208-218.	2.9	10
45	Capturing cross-scalar variation of habitat selection with grid sampling: an example with hazel grouse (<i>Tetrastes bonasia</i> L.). <i>European Journal of Wildlife Research</i> , 2014, 60, 177-186.	1.4	9
46	Does residence time affect responses of alien species richness to environmental and spatial processes?. <i>NeoBiota</i> , 0, 14, 47-66.	1.0	8
47	Environmental factors interact with spatial processes to determine herbaceous species richness in woody field margins. <i>Plant Ecology</i> , 2014, 215, 1323-1335.	1.6	7
48	Using Natural Gradients to Infer a Potential Response to Climate Change: An Example on the Reproductive Performance of <i>Dactylis Glomerata</i> L. <i>Biology</i> , 2012, 1, 857-868.	2.8	6
49	Altitudinal Shift of <i>Tetrao urogallus</i> in an Alpine Natura 2000 Site: Implications for Habitat Restoration. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1164.	2.5	5
50	Landscape metrics as functional traits in plants: perspectives from a glacier foreland. <i>PeerJ</i> , 2017, 5, e3552.	2.0	5
51	Spatial aggregation of herbivores and predators enhances trophic cascades in paddy fields: Rice monoculture versus rice-fish co-culture. <i>Journal of Applied Ecology</i> , 2022, 59, 2036-2045.	4.0	5
52	Fine-scale population dynamics help to elucidate community assembly patterns of epiphytic lichens in alpine forests. <i>Fungal Ecology</i> , 2016, 24, 21-26.	1.6	4
53	Decline of three farmland pest species in rapidly urbanizing landscapes. <i>IScience</i> , 2021, 24, 103002.	4.1	4
54	Ground cover vegetation promotes biological control and yield in pear orchards. <i>Journal of Applied Entomology</i> , 2022, 146, 262-271.	1.8	4

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55	Landscape simplification weakens the association between terrestrial producer and consumer diversity in Europe. , 2018, , .		0
56	Why does biodiversity matter for agriculture?. TheScienceBreaker, 2020, 06, .	0.0	0