

Daniel Prati

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

11,501
citations

57758

44
h-index

30922

102
g-index

110
all docs

110
docs citations

110
times ranked

12898
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenotypic and genetic differentiation between native and introduced plant populations. <i>Oecologia</i> , 2005, 144, 1-11.	2.0	875
2	Arthropod decline in grasslands and forests is associated with landscape-level drivers. <i>Nature</i> , 2019, 574, 671-674.	27.8	760
3	Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. <i>Ecology and Evolution</i> , 2014, 4, 3514-3524.	1.9	697
4	Implementing large-scale and long-term functional biodiversity research: The Biodiversity Exploratories. <i>Basic and Applied Ecology</i> , 2010, 11, 473-485.	2.7	649
5	Invasive Plant Suppresses the Growth of Native Tree Seedlings by Disrupting Belowground Mutualisms. <i>PLoS Biology</i> , 2006, 4, e140.	5.6	621
6	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. <i>Ecology Letters</i> , 2015, 18, 834-843.	6.4	578
7	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. <i>Nature</i> , 2016, 536, 456-459.	27.8	526
8	NOVEL WEAPONS: INVASIVE PLANT SUPPRESSES FUNGAL MUTUALISTS IN AMERICA BUT NOT IN ITS NATIVE EUROPE. <i>Ecology</i> , 2008, 89, 1043-1055.	3.2	456
9	Land-use intensification causes multitrophic homogenization of grassland communities. <i>Nature</i> , 2016, 540, 266-269.	27.8	404
10	A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. <i>Basic and Applied Ecology</i> , 2012, 13, 207-220.	2.7	325
11	INTRASPECIFIC AGGREGATION ALTERS COMPETITIVE INTERACTIONS IN EXPERIMENTAL PLANT COMMUNITIES. <i>Ecology</i> , 2001, 82, 319-327.	3.2	295
12	Interannual variation in land-use intensity enhances grassland multidiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 308-313.	7.1	243
13	Allelopathic inhibition of germination by <i>Alliaria petiolata</i> (Brassicaceae). <i>American Journal of Botany</i> , 2004, 91, 285-288.	1.7	237
14	Direct and productivity-mediated indirect effects of fertilization, mowing and grazing on grassland species richness. <i>Journal of Ecology</i> , 2012, 100, 1391-1399.	4.0	212
15	Molecular evidence for multiple introductions of garlic mustard (<i>Alliaria petiolata</i> , Brassicaceae) to North America. <i>Molecular Ecology</i> , 2005, 14, 1697-1706.	3.9	189
16	The impact of even-aged and uneven-aged forest management on regional biodiversity of multiple taxa in European beech forests. <i>Journal of Applied Ecology</i> , 2018, 55, 267-278.	4.0	188
17	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , 2018, 9, 4839.	12.8	182
18	Interacting effects of fertilization, mowing and grazing on plant species diversity of 1500 grasslands in Germany differ between regions. <i>Basic and Applied Ecology</i> , 2013, 14, 126-136.	2.7	177

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19	RAPD variation among and within small and large populations of the rare clonal plant <i>Ranunculus reptans</i> (Ranunculaceae). <i>American Journal of Botany</i> , 2000, 87, 1128-1137.	1.7	156
20	Reduced competitive ability in an invasive plant. <i>Ecology Letters</i> , 2004, 7, 346-353.	6.4	152
21	Intransitive competition is widespread in plant communities and maintains their species richness. <i>Ecology Letters</i> , 2015, 18, 790-798.	6.4	149
22	Genetic differentiation of life-history traits within populations of the clonal plant <i>Ranunculus reptans</i> . <i>Oikos</i> , 2000, 90, 442-456.	2.7	138
23	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. <i>Nature Communications</i> , 2016, 7, 10697.	12.8	125
24	Locally rare species influence grassland ecosystem multifunctionality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150269.	4.0	117
25	Selection of preadapted populations allowed <i>Senecio inaequidens</i> to invade Central Europe. <i>Diversity and Distributions</i> , 2008, 14, 676-685.	4.1	103
26	High plant species richness indicates management-related disturbances rather than the conservation status of forests. <i>Basic and Applied Ecology</i> , 2013, 14, 496-505.	2.7	102
27	Effects of forest management on ground-dwelling beetles (Coleoptera; Carabidae, Staphylinidae) in Central Europe are mainly mediated by changes in forest structure. <i>Forest Ecology and Management</i> , 2014, 329, 166-176.	3.2	95
28	The results of biodiversity "ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020, 4, 1485-1494.	7.8	93
29	Specialisation and diversity of multiple trophic groups are promoted by different forest features. <i>Ecology Letters</i> , 2019, 22, 170-180.	6.4	92
30	Palatability and tolerance to simulated herbivory in native and introduced populations of <i>Alliaria petiolata</i> (Brassicaceae). <i>American Journal of Botany</i> , 2004, 91, 856-862.	1.7	83
31	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. <i>Nature Communications</i> , 2021, 12, 3918.	12.8	81
32	Spatial and temporal dynamics of nitrogen fixing, nitrifying and denitrifying microbes in an unfertilized grassland soil. <i>Soil Biology and Biochemistry</i> , 2017, 109, 214-226.	8.8	80
33	Seasonal controls on grassland microbial biogeography: Are they governed by plants, abiotic properties or both?. <i>Soil Biology and Biochemistry</i> , 2014, 71, 21-30.	8.8	79
34	Allelopathic effects of three plant invaders on germination of native species: a field study. <i>Biological Invasions</i> , 2014, 16, 1035-1042.	2.4	78
35	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. <i>Ecology</i> , 2015, 96, 1492-1501.	3.2	75
36	Root traits are more than analogues of leaf traits: the case for diaspore mass. <i>New Phytologist</i> , 2017, 216, 1130-1139.	7.3	71

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37	Effects of forest management on the diversity of deadwood-inhabiting fungi in Central European forests. <i>Forest Ecology and Management</i> , 2013, 304, 42-48.	3.2	68
38	Impact of invertebrate herbivory in grasslands depends on plant species diversity. <i>Ecology</i> , 2010, 91, 1639-1650.	3.2	67
39	Establishment success of 25 rare wetland species introduced into restored habitats is best predicted by ecological distance to source habitats. <i>Biological Conservation</i> , 2011, 144, 602-609.	4.1	64
40	Activated carbon may have undesired side effects for testing allelopathy in invasive plants. <i>Basic and Applied Ecology</i> , 2009, 10, 500-507.	2.7	62
41	Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. <i>Journal of Ecology</i> , 2019, 107, 2197-2210.	4.0	57
42	Evidence from the real world: ¹⁵ N natural abundances reveal enhanced nitrogen use at high plant diversity in Central European grasslands. <i>Journal of Ecology</i> , 2014, 102, 456-465.	4.0	55
43	Richness of Lichen Species, Especially of Threatened Ones, Is Promoted by Management Methods Furthering Stand Continuity. <i>PLoS ONE</i> , 2013, 8, e55461.	2.5	53
44	NIRS meets Ellenberg's indicator values: Prediction of moisture and nitrogen values of agricultural grassland vegetation by means of near-infrared spectral characteristics. <i>Ecological Indicators</i> , 2012, 14, 82-86.	6.3	49
45	Nutrient concentrations and fibre contents of plant community biomass reflect species richness patterns along a broad range of land-use intensities among agricultural grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2011, 13, 287-295.	2.7	48
46	Habitat use of large ungulates in northeastern Germany in relation to forest management. <i>Forest Ecology and Management</i> , 2011, 261, 288-296.	3.2	46
47	Dispersal and seed limitation affect diversity and productivity of montane grasslands. <i>Oikos</i> , 2008, 117, 1469-1478.	2.7	45
48	Will I stay or will I go? Plant species-specific response and tolerance to high land-use intensity in temperate grassland ecosystems. <i>Journal of Vegetation Science</i> , 2019, 30, 674-686.	2.2	45
49	Lichen Endozoochory by Snails. <i>PLoS ONE</i> , 2011, 6, e18770.	2.5	44
50	Up in the Tree – The Overlooked Richness of Bryophytes and Lichens in Tree Crowns. <i>PLoS ONE</i> , 2013, 8, e84913.	2.5	43
51	Towards the development of general rules describing landscape heterogeneity – multifunctionality relationships. <i>Journal of Applied Ecology</i> , 2019, 56, 168-179.	4.0	42
52	Fern and bryophyte endozoochory by slugs. <i>Oecologia</i> , 2013, 172, 817-822.	2.0	41
53	Effects of forest management on bryophyte species richness in Central European forests. <i>Forest Ecology and Management</i> , 2019, 432, 850-859.	3.2	41
54	Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. <i>Agriculture, Ecosystems and Environment</i> , 2013, 177, 1-9.	5.3	40

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55	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. <i>Nature Communications</i> , 2021, 12, 4431.	12.8	40
56	The relative importance of immediate allelopathy and allelopathic legacy in invasive plant species. <i>Basic and Applied Ecology</i> , 2015, 16, 28-35.	2.7	36
57	Stochastic Dispersal Rather Than Deterministic Selection Explains the Spatio-Temporal Distribution of Soil Bacteria in a Temperate Grassland. <i>Frontiers in Microbiology</i> , 2020, 11, 1391.	3.5	36
58	Plant diversity moderates drought stress in grasslands: Implications from a large real-world study on 13C natural abundances. <i>Science of the Total Environment</i> , 2016, 566-567, 215-222.	8.0	35
59	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. <i>Global Change Biology</i> , 2018, 24, 2828-2840.	9.5	35
60	Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. <i>Oecologia</i> , 2009, 159, 191-205.	2.0	33
61	Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. <i>Restoration Ecology</i> , 2018, 26, S114.	2.9	32
62	Eleven yearsâ€™ data of grassland management in Germany. <i>Biodiversity Data Journal</i> , 2019, 7, e36387.	0.8	32
63	Grazing response patterns indicate isolation of semi-natural European grasslands. <i>Oikos</i> , 2014, 123, 599-612.	2.7	31
64	Herbivore preference drives plant community composition. <i>Ecology</i> , 2015, 96, 2923-2934.	3.2	31
65	Direct and indirect effects of land use on bryophytes in grasslands. <i>Science of the Total Environment</i> , 2018, 644, 60-67.	8.0	31
66	Effects of forest management on bryophyte communities on deadwood. <i>Nova Hedwigia</i> , 2015, 100, 423-438.	0.4	30
67	Are Gastropods, Rather than Ants, Important Dispersers of Seeds of Myrmecochorous Forest Herbs?. <i>American Naturalist</i> , 2012, 179, 124-131.	2.1	29
68	Genetic variation in <i>Sanguisorba minor</i> after 6 years in situ selection under elevated CO2. <i>Global Change Biology</i> , 2004, 10, 1389-1401.	9.5	28
69	Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. <i>Environmental Microbiology</i> , 2020, 22, 873-888.	3.8	27
70	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. <i>Science Advances</i> , 2021, 7, .	10.3	27
71	Contrasting effects of grassland management modes on species-abundance distributions of multiple groups. <i>Agriculture, Ecosystems and Environment</i> , 2017, 237, 143-153.	5.3	26
72	Impact of Land-Use Intensity and Productivity on Bryophyte Diversity in Agricultural Grasslands. <i>PLoS ONE</i> , 2012, 7, e51520.	2.5	25

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73	Temporal and small-scale spatial variation in grassland productivity, biomass quality, and nutrient limitation. <i>Plant Ecology</i> , 2016, 217, 843-856.	1.6	25
74	Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. <i>Agriculture, Ecosystems and Environment</i> , 2018, 256, 211-217.	5.3	25
75	Lichen species richness is highest in non-intensively used grasslands promoting suitable microhabitats and low vascular plant competition. <i>Biodiversity and Conservation</i> , 2016, 25, 225-238.	2.6	24
76	Land use causes genetic differentiation of life-history traits in <i>Bromus hordeaceus</i> . <i>Global Change Biology</i> , 2013, 19, 892-899.	9.5	23
77	Does Land-Use Intensification Decrease Plant Phylogenetic Diversity in Local Grasslands?. <i>PLoS ONE</i> , 2014, 9, e103252.	2.5	23
78	Regional adaptation improves the performance of grassland plant communities. <i>Basic and Applied Ecology</i> , 2012, 13, 551-559.	2.7	22
79	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. <i>Ecology and Evolution</i> , 2018, 8, 601-616.	1.9	22
80	Water level fluctuations and dynamics of amphibious plants at Lake Constance: Long-term study and simulation. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2007, 8, 179-196.	2.7	21
81	Evolutionary responses to land use in eight common grassland plants. <i>Journal of Ecology</i> , 2017, 105, 1290-1297.	4.0	21
82	Recovery of ecosystem functions after experimental disturbance in 73 grasslands differing in land-use intensity, plant species richness and community composition. <i>Journal of Ecology</i> , 2019, 107, 2635-2649.	4.0	20
83	Reciprocal Parasitization in <i>Rhinanthus Serotinus</i> : A Model System of Physiological Integration in Clonal Plants. <i>Oikos</i> , 1997, 78, 221.	2.7	19
84	Geographical and land-use effects on seed-mass variation in common grassland plants. <i>Basic and Applied Ecology</i> , 2012, 13, 395-404.	2.7	19
85	Restoration of plant diversity in permanent grassland by seeding: Assessing the limiting factors along land-use gradients. <i>Journal of Applied Ecology</i> , 2021, 58, 1681-1692.	4.0	19
86	Influence of experimental soil disturbances on the diversity of plants in agricultural grasslands. <i>Journal of Plant Ecology</i> , 2014, 7, 509-517.	2.3	18
87	Phenotypic plasticity is a negative, though weak, predictor of the commonness of 105 grassland species. <i>Global Ecology and Biogeography</i> , 2016, 25, 464-474.	5.8	17
88	Hemiparasite-density effects on grassland plant diversity, composition and biomass. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 32, 22-29.	2.7	17
89	Invasive plant species do not create more negative soil conditions for other plants than natives. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 87-95.	2.7	16
90	Is fern endozoochory widespread among fern-eating herbivores?. <i>Plant Ecology</i> , 2016, 217, 13-20.	1.6	16

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91	The relative importance of plant-soil feedbacks for plant-species performance increases with decreasing intensity of herbivory. <i>Oecologia</i> , 2019, 190, 651-664.	2.0	16
92	The Evolution of Ecological Diversity in Acidobacteria. <i>Frontiers in Microbiology</i> , 2022, 13, 715637.	3.5	15
93	The role of soil chemical properties, land use and plant diversity for microbial phosphorus in forest and grassland soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2018, 181, 185-197.	1.9	13
94	Organic vs. Conventional Grassland Management: Do 15N and 13C Isotopic Signatures of Hay and Soil Samples Differ?. <i>PLoS ONE</i> , 2013, 8, e78134.	2.5	12
95	Gastropods slow down succession and maintain diversity in cryptogam communities. <i>Ecology</i> , 2016, 97, 2184-2191.	3.2	12
96	And the winner is â€¦! A test of simple predictors of plant species richness in agricultural grasslands. <i>Ecological Indicators</i> , 2018, 87, 296-301.	6.3	12
97	Genetic composition, genetic diversity and small-scale environmental variation matter for the experimental reintroduction of a rare plant. <i>Journal of Plant Ecology</i> , 2016, 9, 805-813.	2.3	11
98	No evidence for larger leaf trait plasticity in ecological generalists compared to specialists. <i>Journal of Biogeography</i> , 2017, 44, 511-521.	3.0	11
99	Exclusion of large herbivores affects understorey shrub vegetation more than herb vegetation across 147 forest sites in three German regions. <i>PLoS ONE</i> , 2019, 14, e0218741.	2.5	10
100	Direct and Indirect Effects of Management Intensity and Environmental Factors on the Functional Diversity of Lichens in Central European Forests. <i>Microorganisms</i> , 2021, 9, 463.	3.6	9
101	Present and historical landscape structure shapes current species richness in Central European grasslands. <i>Landscape Ecology</i> , 2022, 37, 745-762.	4.2	9
102	Enriching plant diversity in grasslands by large-scale experimental sward disturbance and seed addition along gradients of land-use intensity. <i>Journal of Plant Ecology</i> , 0, , rtw062.	2.3	8
103	Exploratories for Large-Scale and Long-Term Functional Biodiversity Research. , 2010, , 429-443.		7
104	To eat or not to eatâ€”relationship of lichen herbivory by snails with secondary compounds and field frequency of lichens. <i>Journal of Plant Ecology</i> , 2015, , rtw005.	2.3	6
105	Transgenerational effects of land use on offspring performance and growth in <i>Trifolium repens</i> . <i>Oecologia</i> , 2016, 180, 409-420.	2.0	6
106	Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 123, 83-104.	2.2	6
107	Landâ€”use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. <i>Ecohydrology</i> , 2021, 14, e2301.	2.4	5
108	Comparing experimental and fieldâ€”measured traits and their variability in Central European grassland species. <i>Journal of Vegetation Science</i> , 2020, 31, 561-570.	2.2	3