

# Daniel Prati

## List of Publications by Citations

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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.

108  
papers

8,138  
citations

41  
h-index

89  
g-index

110  
ext. papers

9,921  
ext. citations

6.5  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
108	Phenotypic and genetic differentiation between native and introduced plant populations. <i>Oecologia</i> , <b>2005</b> , 144, 1-11	2.9	766
107	Invasive plant suppresses the growth of native tree seedlings by disrupting belowground mutualisms. <i>PLoS Biology</i> , <b>2006</b> , 4, e140	9.7	512
106	Implementing large-scale and long-term functional biodiversity research: The Biodiversity Exploratories. <i>Basic and Applied Ecology</i> , <b>2010</b> , 11, 473-485	3.2	510
105	Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 3514-24	2.8	451
104	Novel weapons: invasive plant suppresses fungal mutualists in America but not in its native Europe. <i>Ecology</i> , <b>2008</b> , 89, 1043-55	4.6	381
103	Arthropod decline in grasslands and forests is associated with landscape-level drivers. <i>Nature</i> , <b>2019</b> , 574, 671-674	50.4	372
102	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. <i>Ecology Letters</i> , <b>2015</b> , 18, 834-843	10	360
101	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. <i>Nature</i> , <b>2016</b> , 536, 456-9	50.4	345
100	A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 207-220	3.2	240
99	INTRASPECIFIC AGGREGATION ALTERS COMPETITIVE INTERACTIONS IN EXPERIMENTAL PLANT COMMUNITIES. <i>Ecology</i> , <b>2001</b> , 82, 319-327	4.6	239
98	Land-use intensification causes multitrophic homogenization of grassland communities. <i>Nature</i> , <b>2016</b> , 540, 266-269	50.4	236
97	Allelopathic inhibition of germination by <i>Alliaria petiolata</i> (Brassicaceae). <i>American Journal of Botany</i> , <b>2004</b> , 91, 285-8	2.7	202
96	Interannual variation in land-use intensity enhances grassland multidiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 308-13	11.5	166
95	Direct and productivity-mediated indirect effects of fertilization, mowing and grazing on grassland species richness. <i>Journal of Ecology</i> , <b>2012</b> , 100, 1391-1399	6	154
94	Molecular evidence for multiple introductions of garlic mustard ( <i>Alliaria petiolata</i> , Brassicaceae) to North America. <i>Molecular Ecology</i> , <b>2005</b> , 14, 1697-706	5.7	153
93	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> , <b>2000</b> , 87, 1128-1137	2.7	134
92	Reduced competitive ability in an invasive plant. <i>Ecology Letters</i> , <b>2004</b> , 7, 346-353	10	131

91	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> , <b>2013</b> , 14, 126-136	3.2	130
90	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> , <b>2018</b> , 55, 267-278	5.8	125
89	Genetic differentiation of life-history traits within populations of the clonal plant <i>Ranunculus reptans</i> . <i>Oikos</i> , <b>2000</b> , 90, 442-456	4	124
88	Intransitive competition is widespread in plant communities and maintains their species richness. <i>Ecology Letters</i> , <b>2015</b> , 18, 790-798	10	100
87	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , <b>2018</b> , 9, 4839	17.4	99
86	Locally rare species influence grassland ecosystem multifunctionality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	88
85	Selection of preadapted populations allowed <i>Senecio inaequidens</i> to invade Central Europe. <i>Diversity and Distributions</i> , <b>2008</b> , 14, 676-685	5	86
84	High plant species richness indicates management-related disturbances rather than the conservation status of forests. <i>Basic and Applied Ecology</i> , <b>2013</b> , 14, 496-505	3.2	81
83	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. <i>Nature Communications</i> , <b>2016</b> , 7, 10697	17.4	80
82	Palatability and tolerance to simulated herbivory in native and introduced populations of <i>Alliaria petiolata</i> (Brassicaceae). <i>American Journal of Botany</i> , <b>2004</b> , 91, 856-62	2.7	70
81	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> , <b>2014</b> , 329, 166-176	3.9	68
80	Allelopathic effects of three plant invaders on germination of native species: a field study. <i>Biological Invasions</i> , <b>2014</b> , 16, 1035-1042	2.7	61
79	Seasonal controls on grassland microbial biogeography: Are they governed by plants, abiotic properties or both?. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 71, 21-30	7.5	58
78	Spatial and temporal dynamics of nitrogen fixing, nitrifying and denitrifying microbes in an unfertilized grassland soil. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 109, 214-226	7.5	57
77	Impact of invertebrate herbivory in grasslands depends on plant species diversity. <i>Ecology</i> , <b>2010</b> , 91, 1639-50	4.6	57
76	Activated carbon may have undesired side effects for testing allelopathy in invasive plants. <i>Basic and Applied Ecology</i> , <b>2009</b> , 10, 500-507	3.2	55
75	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. <i>Ecology</i> , <b>2015</b> , 96, 1492-1501	4.6	52
74	Establishment success of 25 rare wetland species introduced into restored habitats is best predicted by ecological distance to source habitats. <i>Biological Conservation</i> , <b>2011</b> , 144, 602-609	6.2	49

73	Specialisation and diversity of multiple trophic groups are promoted by different forest features. <i>Ecology Letters</i> , <b>2019</b> , 22, 170-180	10	49
72	Effects of forest management on the diversity of deadwood-inhabiting fungi in Central European forests. <i>Forest Ecology and Management</i> , <b>2013</b> , 304, 42-48	3.9	45
71	Root traits are more than analogues of leaf traits: the case for diaspore mass. <i>New Phytologist</i> , <b>2017</b> , 216, 1130-1139	9.8	44
70	Richness of lichen species, especially of threatened ones, is promoted by management methods furthering stand continuity. <i>PLoS ONE</i> , <b>2013</b> , 8, e55461	3.7	43
69	Dispersal and seed limitation affect diversity and productivity of montane grasslands. <i>Oikos</i> , <b>2008</b> , 117, 1469-1478	4	43
68	Evidence from the real world: 15N natural abundances reveal enhanced nitrogen use at high plant diversity in Central European grasslands. <i>Journal of Ecology</i> , <b>2014</b> , 102, 456-465	6	42
67	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> , <b>2012</b> , 14, 82-86	5.8	41
66	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> , <b>2011</b> , 13, 287-295	3	39
65	Habitat use of large ungulates in northeastern Germany in relation to forest management. <i>Forest Ecology and Management</i> , <b>2011</b> , 261, 288-296	3.9	38
64	Fern and bryophyte endozoochory by slugs. <i>Oecologia</i> , <b>2013</b> , 172, 817-22	2.9	36
63	Lichen endozoochory by snails. <i>PLoS ONE</i> , <b>2011</b> , 6, e18770	3.7	36
62	Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. <i>Journal of Ecology</i> , <b>2019</b> , 107, 2197-2210	6	35
61	Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 177, 1-9	5.7	32
60	Up in the tree--the overlooked richness of bryophytes and lichens in tree crowns. <i>PLoS ONE</i> , <b>2013</b> , 8, e84913	3.7	31
59	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1485-1494	12.3	31
58	Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. <i>Oecologia</i> , <b>2009</b> , 159, 191-205	2.9	29
57	Grazing response patterns indicate isolation of semi-natural European grasslands. <i>Oikos</i> , <b>2014</b> , 123, 599-612	4	27
56	Are gastropods, rather than ants, important dispersers of seeds of myrmecochorous forest herbs?. <i>American Naturalist</i> , <b>2012</b> , 179, 124-31	3.7	27

55	Towards the development of general rules describing landscape heterogeneity-multifunctionality relationships. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 168-179	5.8	26
54	Herbivore preference drives plant community composition. <i>Ecology</i> , <b>2015</b> , 96, 2923-34	4.6	26
53	The relative importance of immediate allelopathy and allelopathic legacy in invasive plant species. <i>Basic and Applied Ecology</i> , <b>2015</b> , 16, 28-35	3.2	25
52	Genetic variation in <i>Sanguisorba minor</i> after 6 years in situ selection under elevated CO <sub>2</sub> . <i>Global Change Biology</i> , <b>2004</b> , 10, 1389-1401	11.4	25
51	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> , <b>2019</b> , 30, 674-686	3.1	21
50	Effects of forest management on bryophyte communities on deadwood. <i>Nova Hedwigia</i> , <b>2015</b> , 100, 423-438	4.3	21
49	Regional adaptation improves the performance of grassland plant communities. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 551-559	3.2	20
48	Impact of land-use intensity and productivity on bryophyte diversity in agricultural grasslands. <i>PLoS ONE</i> , <b>2012</b> , 7, e51520	3.7	20
47	Plant diversity moderates drought stress in grasslands: Implications from a large real-world study on (13)C natural abundances. <i>Science of the Total Environment</i> , <b>2016</b> , 566-567, 215-222	10.2	20
46	Contrasting effects of grassland management modes on species-abundance distributions of multiple groups. <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 237, 143-153	5.7	19
45	Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. <i>Restoration Ecology</i> , <b>2018</b> , 26, S114-S122	3.1	19
44	Lichen species richness is highest in non-intensively used grasslands promoting suitable microhabitats and low vascular plant competition. <i>Biodiversity and Conservation</i> , <b>2016</b> , 25, 225-238	3.4	19
43	Geographical and land-use effects on seed-mass variation in common grassland plants. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 395-404	3.2	17
42	Reciprocal Parasitization in <i>Rhinanthus Serotinus</i> : A Model System of Physiological Integration in Clonal Plants. <i>Oikos</i> , <b>1997</b> , 78, 221	4	17
41	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> , <b>2007</b> , 8, 179-196	3	17
40	Effects of forest management on bryophyte species richness in Central European forests. <i>Forest Ecology and Management</i> , <b>2019</b> , 432, 850-859	3.9	17
39	Evolutionary responses to land use in eight common grassland plants. <i>Journal of Ecology</i> , <b>2017</b> , 105, 1296-1297	6	16
38	Temporal and small-scale spatial variation in grassland productivity, biomass quality, and nutrient limitation. <i>Plant Ecology</i> , <b>2016</b> , 217, 843-856	1.7	16

37	Invasive plant species do not create more negative soil conditions for other plants than natives. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2015</b> , 17, 87-95	3	15
36	Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. <i>Agriculture, Ecosystems and Environment</i> , <b>2018</b> , 256, 211-217	5.7	15
35	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. <i>Global Change Biology</i> , <b>2018</b> , 24, 2828-2840	11.4	15
34	Direct and indirect effects of land use on bryophytes in grasslands. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 60-67	10.2	15
33	Does land-use intensification decrease plant phylogenetic diversity in local grasslands?. <i>PLoS ONE</i> , <b>2014</b> , 9, e103252	3.7	15
32	Eleven years of data of grassland management in Germany. <i>Biodiversity Data Journal</i> , <b>2019</b> , 7, e36387	1.8	15
31	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 601-616	2.8	14
30	Land use causes genetic differentiation of life-history traits in <i>Bromus hordeaceus</i> . <i>Global Change Biology</i> , <b>2013</b> , 19, 892-9	11.4	13
29	Stochastic Dispersal Rather Than Deterministic Selection Explains the Spatio-Temporal Distribution of Soil Bacteria in a Temperate Grassland. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1391	5.7	13
28	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. <i>Nature Communications</i> , <b>2021</b> , 12, 3918	17.4	13
27	Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 873-888	5.2	13
26	Is fern endozoochory widespread among fern-eating herbivores?. <i>Plant Ecology</i> , <b>2016</b> , 217, 13-20	1.7	12
25	Phenotypic plasticity is a negative, though weak, predictor of the commonness of 105 grassland species. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 464-474	6.1	12
24	Hemiparasite-density effects on grassland plant diversity, composition and biomass. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2018</b> , 32, 22-29	3	11
23	Influence of experimental soil disturbances on the diversity of plants in agricultural grasslands. <i>Journal of Plant Ecology</i> , <b>2014</b> , 7, 509-517	1.7	11
22	Organic vs. conventional grassland management: do (15)N and (13)C isotopic signatures of hay and soil samples differ?. <i>PLoS ONE</i> , <b>2013</b> , 8, e78134	3.7	11
21	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> , <b>2019</b> , 107, 2635-2649	6	10
20	No evidence for larger leaf trait plasticity in ecological generalists compared to specialists. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 511-521	4.1	10

19	Gastropods slow down succession and maintain diversity in cryptogam communities. <i>Ecology</i> , <b>2016</b> , 97, 2184-2191	4.6	9
18	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> , <b>2018</b> , 181, 185-197	2.3	9
17	And the winner is ☑! A test of simple predictors of plant species richness in agricultural grasslands. <i>Ecological Indicators</i> , <b>2018</b> , 87, 296-301	5.8	8
16	Exploratories for Large-Scale and Long-Term Functional Biodiversity Research <b>2010</b> , 429-443		6
15	The relative importance of plant-soil feedbacks for plant-species performance increases with decreasing intensity of herbivory. <i>Oecologia</i> , <b>2019</b> , 190, 651-664	2.9	5
14	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> , <b>2016</b> , rtw062	1.7	5
13	Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
12	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. <i>Nature Communications</i> , <b>2021</b> , 12, 4431	17.4	5
11	Genetic composition, genetic diversity and small-scale environmental variation matter for the experimental reintroduction of a rare plant. <i>Journal of Plant Ecology</i> , <b>2016</b> , 9, 805-813	1.7	5
10	Exclusion of large herbivores affects understorey shrub vegetation more than herb vegetation across 147 forest sites in three German regions. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218741	3.7	4
9	To eat or not to eat? Relationship of lichen herbivory by snails with secondary compounds and field frequency of lichens. <i>Journal of Plant Ecology</i> , <b>2015</b> , rtv005	1.7	4
8	The Evolution of Ecological Diversity in .. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 715637	5.7	4
7	Transgenerational effects of land use on offspring performance and growth in <i>Trifolium repens</i> . <i>Oecologia</i> , <b>2016</b> , 180, 409-20	2.9	3
6	Restoration of plant diversity in permanent grassland by seeding: Assessing the limiting factors along land-use gradients. <i>Journal of Applied Ecology</i> , <b>2021</b> , 58, 1681	5.8	2
5	Direct and Indirect Effects of Management Intensity and Environmental Factors on the Functional Diversity of Lichens in Central European Forests. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
4	Comparing experimental and field-measured traits and their variability in Central European grassland species. <i>Journal of Vegetation Science</i> , <b>2020</b> , 31, 561-570	3.1	1
3	The results of biodiversity-ecosystem functioning experiments are realistic		1
2	Land-use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. <i>Ecohydrology</i> , <b>2021</b> , 14, e2301	2.5	1

- 1 Present and historical landscape structure shapes current species richness in Central European grasslands. *Landscape Ecology*, **2022**, 37, 745

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