# Daniel Prati

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12039825/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 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 | Present and historical landscape structure shapes current species richness in Central European grasslands. Landscape Ecology, 2022, 37, 745-762. | 4.2 | 9 |
| 2 | The Evolution of Ecological Diversity in Acidobacteria. Frontiers in Microbiology, 2022, 13, 715637. | 3.5 | 15 |
| 3 | Direct and plant community mediated effects of management intensity on annual nutrient leaching risk in temperate grasslands. Nutrient Cycling in Agroecosystems, 2022, 123, 83-104. | 2.2 | 6 |
| 4 | Direct and Indirect Effects of Management Intensity and Environmental Factors on the Functional Diversity of Lichens in Central European Forests. Microorganisms, 2021, 9, 463. | 3.6 | 9 |
| 5 | Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. Science Advances, 2021, 7, . | 10.3 | 27 |
| 6 | Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. Nature Communications, 2021, 12, 3918. | 12.8 | 81 |
| 7 | Landâ€use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. Ecohydrology, 2021, 14, e2301. | 2.4 | 5 |
| 8 | Restoration of plant diversity in permanent grassland by seeding: Assessing the limiting factors along landâ€use gradients. Journal of Applied Ecology, 2021, 58, 1681-1692. | 4.0 | 19 |
| 9 | Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. Nature Communications, 2021, 12, 4431. | 12.8 | 40 |
| 10 | Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. Environmental Microbiology, 2020, 22, 873-888. | 3.8 | 27 |
| 11 | Stochastic Dispersal Rather Than Deterministic Selection Explains the Spatio-Temporal Distribution of Soil Bacteria in a Temperate Grassland. Frontiers in Microbiology, 2020, 11, 1391. | 3.5 | 36 |
| 12 | The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494. | 7.8 | 93 |
| 13 | Comparing experimental and fieldâ€measured traits and their variability in Central European grassland species. Journal of Vegetation Science, 2020, 31, 561-570. | 2.2 | 3 |
| 14 | Towards the development of general rules describing landscape heterogeneityâ€“multifunctionality relationships. Journal of Applied Ecology, 2019, 56, 168-179. | 4.0 | 42 |
| 15 | Exclusion of large herbivores affects understorey shrub vegetation more than herb vegetation across 147 forest sites in three German regions. PLoS ONE, 2019, 14, e0218741. | 2.5 | 10 |
| 16 | The relative importance of plant-soil feedbacks for plant-species performance increases with decreasing intensity of herbivory. Oecologia, 2019, 190, 651-664. | 2.0 | 16 |
| 17 | Recovery of ecosystem functions after experimental disturbance in 73 grasslands differing in landâ€use intensity, plant species richness and community composition. Journal of Ecology, 2019, 107, 2635-2649. | 4.0 | 20 |
| 18 | Will I stay or will I go? Plant speciesâ€specific response and tolerance to high landâ€use intensity in temperate grassland ecosystems. Journal of Vegetation Science, 2019, 30, 674-686. | 2.2 | 45 |

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|---|---|---|---|
| 19 | Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. Journal of Ecology, 2019, 107, 2197-2210. | 4.0 | 57 |
| 20 | Arthropod decline in grasslands and forests is associated with landscape-level drivers. Nature, 2019, 574, 671-674. | 27.8 | 760 |
| 21 | Specialisation and diversity of multiple trophic groups are promoted by different forest features. Ecology Letters, 2019, 22, 170-180. | 6.4 | 92 |
| 22 | Effects of forest management on bryophyte species richness in Central European forests. Forest Ecology and Management, 2019, 432, 850-859. | 3.2 | 41 |
| 23 | Eleven yearsâ€™ data of grassland management in Germany. Biodiversity Data Journal, 2019, 7, e36387. | 0.8 | 32 |
| 24 | Hemiparasite-density effects on grassland plant diversity, composition and biomass. Perspectives in Plant Ecology, Evolution and Systematics, 2018, 32, 22-29. | 2.7 | 17 |
| 25 | Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. Agriculture, Ecosystems and Environment, 2018, 256, 211-217. | 5.3 | 25 |
| 26 | And the winner is â€¦ ! A test of simple predictors of plant species richness in agricultural grasslands. Ecological Indicators, 2018, 87, 296-301. | 6.3 | 12 |
| 27 | Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. Global Change Biology, 2018, 24, 2828-2840. | 9.5 | 35 |
| 28 | Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. Restoration Ecology, 2018, 26, S114. | 2.9 | 32 |
| 29 | The role of soil chemical properties, land use and plant diversity for microbial phosphorus in forest and grassland soils. Journal of Plant Nutrition and Soil Science, 2018, 181, 185-197. | 1.9 | 13 |
| 30 | Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. Ecology and Evolution, 2018, 8, 601-616. | 1.9 | 22 |
| 31 | The impact of evenâ€aged and unevenâ€aged forest management on regional biodiversity of multiple taxa in European beech forests. Journal of Applied Ecology, 2018, 55, 267-278. | 4.0 | 188 |
| 32 | Multiple forest attributes underpin the supply of multiple ecosystem services. Nature Communications, 2018, 9, 4839. | 12.8 | 182 |
| 33 | Direct and indirect effects of land use on bryophytes in grasslands. Science of the Total Environment, 2018, 644, 60-67. | 8.0 | 31 |
| 34 | Evolutionary responses to land use in eight common grassland plants. Journal of Ecology, 2017, 105, 1290-1297. | 4.0 | 21 |
| 35 | Contrasting effects of grassland management modes on species-abundance distributions of multiple groups. Agriculture, Ecosystems and Environment, 2017, 237, 143-153. | 5.3 | 26 |
| 36 | Root traits are more than analogues of leaf traits: the case for diaspore mass. New Phytologist, 2017, 216, 1130-1139. | 7.3 | 71 |

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|---|---|---|---|
| 37 | No evidence for larger leaf trait plasticity in ecological generalists compared to specialists. Journal of Biogeography, 2017, 44, 511-521. | 3.0 | 11 |
| 38 | Spatial and temporal dynamics of nitrogen fixing, nitrifying and denitrifying microbes in an unfertilized grassland soil. Soil Biology and Biochemistry, 2017, 109, 214-226. | 8.8 | 80 |
| 39 | Plant diversity moderates drought stress in grasslands: Implications from a large real-world study on 13C natural abundances. Science of the Total Environment, 2016, 566-567, 215-222. | 8.0 | 35 |
| 40 | Phenotypic plasticity is a negative, though weak, predictor of the commonness of 105 grassland species. Global Ecology and Biogeography, 2016, 25, 464-474. | 5.8 | 17 |
| 41 | Land-use intensification causes multitrophic homogenization of grassland communities. Nature, 2016, 540, 266-269. | 27.8 | 404 |
| 42 | Genetic composition, genetic diversity and small-scale environmental variation matter for the experimental reintroduction of a rare plant. Journal of Plant Ecology, 2016, 9, 805-813. | 2.3 | 11 |
| 43 | Locally rare species influence grassland ecosystem multifunctionality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150269. | 4.0 | 117 |
| 44 | Gastropods slow down succession and maintain diversity in cryptogam communities. Ecology, 2016, 97, 2184-2191. | 3.2 | 12 |
| 45 | Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. Nature, 2016, 536, 456-459. | 27.8 | 526 |
| 46 | Transgenerational effects of land use on offspring performance and growth in Trifolium repens. Oecologia, 2016, 180, 409-420. | 2.0 | 6 |
| 47 | Temporal and small-scale spatial variation in grassland productivity, biomass quality, and nutrient limitation. Plant Ecology, 2016, 217, 843-856. | 1.6 | 25 |
| 48 | Lichen species richness is highest in non-intensively used grasslands promoting suitable microhabitats and low vascular plant competition. Biodiversity and Conservation, 2016, 25, 225-238. | 2.6 | 24 |
| 49 | Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. Nature Communications, 2016, 7, 10697. | 12.8 | 125 |
| 50 | Is fern endozoochory widespread among fern-eating herbivores?. Plant Ecology, 2016, 217, 13-20. | 1.6 | 16 |
| 51 | Effects of forest management on bryophyte communities on deadwood. Nova Hedwigia, 2015, 100, 423-438. | 0.4 | 30 |
| 52 | Intransitive competition is widespread in plant communities and maintains their species richness. Ecology Letters, 2015, 18, 790-798. | 6.4 | 149 |
| 53 | Herbivore preference drives plant community composition. Ecology, 2015, 96, 2923-2934. | 3.2 | 31 |
| 54 | Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. Ecology Letters, 2015, 18, 834-843. | 6.4 | 578 |

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|---|---|---|---|
| 55 | To eat or not to eatâ€"relationship of lichen herbivory by snails with secondary compounds and field frequency of lichens. Journal of Plant Ecology, 2015, , rtv005. | 2.3 | 6 |
| 56 | Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. Ecology, 2015, 96, 1492-1501. | 3.2 | 75 |
| 57 | Invasive plant species do not create more negative soil conditions for other plants than natives. Perspectives in Plant Ecology, Evolution and Systematics, 2015, 17, 87-95. | 2.7 | 16 |
| 58 | The relative importance of immediate allelopathy and allelopathic legacy in invasive plant species. Basic and Applied Ecology, 2015, 16, 28-35. | 2.7 | 36 |
| 59 | Interannual variation in land-use intensity enhances grassland multidiversity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 308-313. | 7.1 | 243 |
| 60 | Grazing response patterns indicate isolation of semiâ€natural European grasslands. Oikos, 2014, 123, 599-612. | 2.7 | 31 |
| 61 | Evidence from the real world: <sup>15</sup>N natural abundances reveal enhanced nitrogen use at high plant diversity in Central European grasslands. Journal of Ecology, 2014, 102, 456-465. | 4.0 | 55 |
| 62 | Allelopathic effects of three plant invaders on germination of native species: a field study. Biological Invasions, 2014, 16, 1035-1042. | 2.4 | 78 |
| 63 | Seasonal controls on grassland microbial biogeography: Are they governed by plants, abiotic properties or both?. Soil Biology and Biochemistry, 2014, 71, 21-30. | 8.8 | 79 |
| 64 | Influence of experimental soil disturbances on the diversity of plants in agricultural grasslands. Journal of Plant Ecology, 2014, 7, 509-517. | 2.3 | 18 |
| 65 | Effects of forest management on ground-dwelling beetles (Coleoptera; Carabidae, Staphylinidae) in Central Europe are mainly mediated by changes in forest structure. Forest Ecology and Management, 2014, 329, 166-176. | 3.2 | 95 |
| 66 | Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. Ecology and Evolution, 2014, 4, 3514-3524. | 1.9 | 697 |
| 67 | Does Land-Use Intensification Decrease Plant Phylogenetic Diversity in Local Grasslands?. PLoS ONE, 2014, 9, e103252. | 2.5 | 23 |
| 68 | High plant species richness indicates management-related disturbances rather than the conservation status of forests. Basic and Applied Ecology, 2013, 14, 496-505. | 2.7 | 102 |
| 69 | Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. Agriculture, Ecosystems and Environment, 2013, 177, 1-9. | 5.3 | 40 |
| 70 | Interacting effects of fertilization, mowing and grazing on plant species diversity of 1500 grasslands in Germany differ between regions. Basic and Applied Ecology, 2013, 14, 126-136. | 2.7 | 177 |
| 71 | Land use causes genetic differentiation of lifeâ€history traits in Bromus hordeaceus. Global Change Biology, 2013, 19, 892-899. | 9.5 | 23 |
| 72 | Effects of forest management on the diversity of deadwood-inhabiting fungi in Central European forests. Forest Ecology and Management, 2013, 304, 42-48. | 3.2 | 68 |

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|---|---|---|---|
| 73 | Fern and bryophyte endozoochory by slugs. Oecologia, 2013, 172, 817-822. | 2.0 | 41 |
| 74 | Up in the Tree â€“ The Overlooked Richness of Bryophytes and Lichens in Tree Crowns. PLoS ONE, 2013, 8, e84913. | 2.5 | 43 |
| 75 | Richness of Lichen Species, Especially of Threatened Ones, Is Promoted by Management Methods Furthering Stand Continuity. PLoS ONE, 2013, 8, e55461. | 2.5 | 53 |
| 76 | Organic vs. Conventional Grassland Management: Do 15N and 13C Isotopic Signatures of Hay and Soil Samples Differ?. PLoS ONE, 2013, 8, e78134. | 2.5 | 12 |
| 77 | Direct and productivityâ€mediated indirect effects of fertilization, mowing and grazing on grassland species richness. Journal of Ecology, 2012, 100, 1391-1399. | 4.0 | 212 |
| 78 | Are Gastropods, Rather than Ants, Important Dispersers of Seeds of Myrmecochorous Forest Herbs?. American Naturalist, 2012, 179, 124-131. | 2.1 | 29 |
| 79 | Geographical and land-use effects on seed-mass variation in common grassland plants. Basic and Applied Ecology, 2012, 13, 395-404. | 2.7 | 19 |
| 80 | Regional adaptation improves the performance of grassland plant communities. Basic and Applied Ecology, 2012, 13, 551-559. | 2.7 | 22 |
| 81 | NIRS meets Ellenberg's indicator values: Prediction of moisture and nitrogen values of agricultural grassland vegetation by means of near-infrared spectral characteristics. Ecological Indicators, 2012, 14, 82-86. | 6.3 | 49 |
| 82 | Impact of Land-Use Intensity and Productivity on Bryophyte Diversity in Agricultural Grasslands. PLoS ONE, 2012, 7, e51520. | 2.5 | 25 |
| 83 | A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. Basic and Applied Ecology, 2012, 13, 207-220. | 2.7 | 325 |
| 84 | Habitat use of large ungulates in northeastern Germany in relation to forest management. Forest Ecology and Management, 2011, 261, 288-296. | 3.2 | 46 |
| 85 | Establishment success of 25 rare wetland species introduced into restored habitats is best predicted by ecological distance to source habitats. Biological Conservation, 2011, 144, 602-609. | 4.1 | 64 |
| 86 | Nutrient concentrations and fibre contents of plant community biomass reflect species richness patterns along a broad range of land-use intensities among agricultural grasslands. Perspectives in Plant Ecology, Evolution and Systematics, 2011, 13, 287-295. | 2.7 | 48 |
| 87 | Lichen Endozoochory by Snails. PLoS ONE, 2011, 6, e18770. | 2.5 | 44 |
| 88 | Implementing large-scale and long-term functional biodiversity research: The Biodiversity Exploratories. Basic and Applied Ecology, 2010, 11, 473-485. | 2.7 | 649 |
| 89 | Exploratories for Large-Scale and Long-Term Functional Biodiversity Research. , 2010, , 429-443. | | 7 |
| 90 | Impact of invertebrate herbivory in grasslands depends on plant species diversity. Ecology, 2010, 91, 1639-1650. | 3.2 | 67 |

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|---|---|---|---|
| 91 | Activated carbon may have undesired side effects for testing allelopathy in invasive plants. Basic and Applied Ecology, 2009, 10, 500-507. | 2.7 | 62 |
| 92 | Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. Oecologia, 2009, 159, 191-205. | 2.0 | 33 |
| 93 | Dispersal and seed limitation affect diversity and productivity of montane grasslands. Oikos, 2008, 117, 1469-1478. | 2.7 | 45 |
| 94 | Selection of preadapted populations allowed Senecio inaequidens to invade Central Europe. Diversity and Distributions, 2008, 14, 676-685. | 4.1 | 103 |
| 95 | NOVEL WEAPONS: INVASIVE PLANT SUPPRESSES FUNGAL MUTUALISTS IN AMERICA BUT NOT IN ITS NATIVE EUROPE. Ecology, 2008, 89, 1043-1055. | 3.2 | 456 |
| 96 | Water level fluctuations and dynamics of amphibious plants at Lake Constance: Long-term study and simulation. Perspectives in Plant Ecology, Evolution and Systematics, 2007, 8, 179-196. | 2.7 | 21 |
| 97 | Invasive Plant Suppresses the Growth of Native Tree Seedlings by Disrupting Belowground Mutualisms. PLoS Biology, 2006, 4, e140. | 5.6 | 621 |
| 98 | Molecular evidence for multiple introductions of garlic mustard (Alliaria petiolata, Brassicaceae) to North America. Molecular Ecology, 2005, 14, 1697-1706. | 3.9 | 189 |
| 99 | Phenotypic and genetic differentiation between native and introduced plant populations. Oecologia, 2005, 144, 1-11. | 2.0 | 875 |
| 100 | Palatability and tolerance to simulated herbivory in native and introduced populations of Alliaria petiolata (Brassicaceae). American Journal of Botany, 2004, 91, 856-862. | 1.7 | 83 |
| 101 | Reduced competitive ability in an invasive plant. Ecology Letters, 2004, 7, 346-353. | 6.4 | 152 |
| 102 | Genetic variation in Sanguisorba minor after 6 years in situ selection under elevated CO2. Global Change Biology, 2004, 10, 1389-1401. | 9.5 | 28 |
| 103 | Allelopathic inhibition of germination by Alliaria petiolata (Brassicaceae). American Journal of Botany, 2004, 91, 285-288. | 1.7 | 237 |
| 104 | INTRASPECIFIC AGGREGATION ALTERS COMPETITIVE INTERACTIONS IN EXPERIMENTAL PLANT COMMUNITIES. Ecology, 2001, 82, 319-327. | 3.2 | 295 |
| 105 | RAPD variation among and within small and large populations of the rare clonal plant Ranunculus reptans (Ranunculaceae). American Journal of Botany, 2000, 87, 1128-1137. | 1.7 | 156 |
| 106 | Genetic differentiation of life-history traits within populations of the clonal plant Ranunculus reptans. Oikos, 2000, 90, 442-456. | 2.7 | 138 |
| 107 | Reciprocal Parasitization in Rhinanthus Serotinus: A Model System of Physiological Integration in Clonal Plants. Oikos, 1997, 78, 221. | 2.7 | 19 |
| 108 | Enriching plant diversity in grasslands by large-scale experimental sward disturbance and seed addition along gradients of land-use intensity. Journal of Plant Ecology, 0, , rtw062. | 2.3 | 8 |