

# Christiane Roscher

## List of Publications by Year in descending order

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Version: 2024-02-01

148  
papers

12,658  
citations

25034

57  
h-index

28297

105  
g-index

155  
all docs

155  
docs citations

155  
times ranked

12045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient enrichment increases invertebrate herbivory and pathogen damage in grasslands. <i>Journal of Ecology</i> , 2022, 110, 327-339.	4.0	25
2	Abiotic factors are more important than land management and biotic interactions in shaping vascular plant and soil fungal communities. <i>Global Ecology and Conservation</i> , 2022, 33, e01960.	2.1	4
3	Nitrogen but not phosphorus addition affects symbiotic N <sub>2</sub> fixation by legumes in natural and semi-natural grasslands located on four continents. <i>Plant and Soil</i> , 2022, 478, 689-707.	3.7	11
4	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , 2021, 109, 1284-1297.	4.0	17
5	Incorporation of mineral nitrogen into the soil food web as affected by plant community composition. <i>Ecology and Evolution</i> , 2021, 11, 4295-4309.	1.9	2
6	Biodiversity facets affect community surface temperature via 3D canopy structure in grassland communities. <i>Journal of Ecology</i> , 2021, 109, 1969-1985.	4.0	11
7	Fertilized graminoids intensify negative drought effects on grassland productivity. <i>Global Change Biology</i> , 2021, 27, 2441-2457.	9.5	39
8	Plant history and soil history jointly influence the selection environment for plant species in a long-term grassland biodiversity experiment. <i>Ecology and Evolution</i> , 2021, 11, 8156-8169.	1.9	2
9	Plant diversity effects on plant longevity and their relationships to population stability in experimental grasslands. <i>Journal of Ecology</i> , 2021, 109, 2566-2579.	4.0	4
10	Effects of plant species diversity on nematode community composition and diversity in a long-term biodiversity experiment. <i>Oecologia</i> , 2021, 197, 297-311.	2.0	21
11	Plant "Soil Feedbacks and Temporal Dynamics of Plant Diversity" Productivity Relationships. <i>Trends in Ecology and Evolution</i> , 2021, 36, 651-661.	8.7	74
12	Phenotypic plasticity masks range-wide genetic differentiation for vegetative but not reproductive traits in a short-lived plant. <i>Ecology Letters</i> , 2021, 24, 2378-2393.	6.4	21
13	Functional trait effects on ecosystem stability: assembling the jigsaw puzzle. <i>Trends in Ecology and Evolution</i> , 2021, 36, 822-836.	8.7	81
14	Soil properties as key predictors of global grassland production: Have we overlooked micronutrients?. <i>Ecology Letters</i> , 2021, 24, 2713-2725.	6.4	28
15	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. <i>Ecology</i> , 2020, 101, e02905.	3.2	40
16	Inferring competitive outcomes, ranks and intransitivity from empirical data: A comparison of different methods. <i>Methods in Ecology and Evolution</i> , 2020, 11, 117-128.	5.2	8
17	Predicting species abundances in a grassland biodiversity experiment: Trade-offs between model complexity and generality. <i>Journal of Ecology</i> , 2020, 108, 774-787.	4.0	23
18	TRY plant trait database " enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038

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19	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , 2020, 4, 1602-1611.	7.8	114
20	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	12.8	75
21	The results of biodiversityâ€ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020, 4, 1485-1494.	7.8	93
22	Scaleâ€dependent impact of land management on aboveâ€and belowground biodiversity. <i>Ecology and Evolution</i> , 2020, 10, 10139-10149.	1.9	1
23	Microbial processing of plant remains is coâ€limited by multiple nutrients in global grasslands. <i>Global Change Biology</i> , 2020, 26, 4572-4582.	9.5	27
24	Diverse plant mixtures sustain a greater arbuscular mycorrhizal fungi spore viability than monocultures after 12 years. <i>Journal of Plant Ecology</i> , 2020, 13, 478-488.	2.3	11
25	Nematode communities, plant nutrient economy and lifeâ€cycle characteristics jointly determine plant monoculture performance over 12 years. <i>Oikos</i> , 2020, 129, 466-479.	2.7	9
26	Plant species richness and functional groups have different effects on soil water content in a decadeâ€long grassland experiment. <i>Journal of Ecology</i> , 2019, 107, 127-141.	4.0	69
27	How to estimate complementarity and selection effects from an incomplete sample of species. <i>Methods in Ecology and Evolution</i> , 2019, 10, 2141-2152.	5.2	20
28	Linking local species coexistence to ecosystem functioning: a conceptual framework from ecological first principles in grassland ecosystems. <i>Advances in Ecological Research</i> , 2019, 61, 265-296.	2.7	3
29	Plant functional trait identity and diversity effects on soil meso- and macrofauna in an experimental grassland. <i>Advances in Ecological Research</i> , 2019, , 163-184.	2.7	4
30	A multitrophic perspective on biodiversityâ€ecosystem functioning research. <i>Advances in Ecological Research</i> , 2019, 61, 1-54.	2.7	95
31	A new experimental approach to test why biodiversity effects strengthen as ecosystems age. <i>Advances in Ecological Research</i> , 2019, , 221-264.	2.7	21
32	Lost in trait space: species-poor communities are inflexible in properties that drive ecosystem functioning. <i>Advances in Ecological Research</i> , 2019, , 91-131.	2.7	14
33	Not even wrong: Comment by Wagg etÂal.. <i>Ecology</i> , 2019, 100, e02805.	3.2	8
34	Soil net nitrogen mineralisation across global grasslands. <i>Nature Communications</i> , 2019, 10, 4981.	12.8	57
35	Terrestrial laser scanning reveals temporal changes in biodiversity mechanisms driving grassland productivity. <i>Advances in Ecological Research</i> , 2019, 61, 133-161.	2.7	11
36	Increasing plant diversity of experimental grasslands alters the age and growth of <i>Plantago lanceolata</i> from younger and faster to older and slower. <i>Oikos</i> , 2019, 128, 1182-1193.	2.7	6

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37	Plant diversity alters the representation of motifs in food webs. <i>Nature Communications</i> , 2019, 10, 1226.	12.8	41
38	Interactions between functionally diverse fungal mutualists inconsistently affect plant performance and competition. <i>Oikos</i> , 2019, 128, 1136-1146.	2.7	10
39	Functional composition has stronger impact than species richness on carbon gain and allocation in experimental grasslands. <i>PLoS ONE</i> , 2019, 14, e0204715.	2.5	8
40	Multiple plant diversity components drive consumer communities across ecosystems. <i>Nature Communications</i> , 2019, 10, 1460.	12.8	139
41	The Future of Complementarity: Disentangling Causes from Consequences. <i>Trends in Ecology and Evolution</i> , 2019, 34, 167-180.	8.7	246
42	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. <i>Nature Ecology and Evolution</i> , 2019, 3, 400-406.	7.8	97
43	Origin context of trait data matters for predictions of community performance in a grassland biodiversity experiment. <i>Ecology</i> , 2018, 99, 1214-1226.	3.2	13
44	Below-ground resource partitioning alone cannot explain the biodiversity-ecosystem function relationship: A field test using multiple tracers. <i>Journal of Ecology</i> , 2018, 106, 2002-2018.	4.0	53
45	Interspecific competition alters leaf stoichiometry in 20 grassland species. <i>Oikos</i> , 2018, 127, 903-914.	2.7	33
46	Trait means, trait plasticity and trait differences to other species jointly explain species performances in grasslands of varying diversity. <i>Oikos</i> , 2018, 127, 865-865.	2.7	30
47	How do leaf trait values change spatially and temporally with light availability in a grassland diversity experiment?. <i>Oikos</i> , 2018, 127, 935-948.	2.7	20
48	Dynamic niche partitioning in root water uptake facilitates efficient water use in more diverse grassland plant communities. <i>Functional Ecology</i> , 2018, 32, 214-227.	3.6	51
49	Interspecific trait differences rather than intraspecific trait variation increase the extent and filling of community trait space with increasing plant diversity in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 42-50.	2.7	14
50	Functional groups differ in trait means, but not in trait plasticity to species richness in local grassland communities. <i>Ecology</i> , 2018, 99, 2295-2307.	3.2	14
51	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	7.8	296
52	Connecting experimental biodiversity research to real-world grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 33, 78-88.	2.7	15
53	Growth ring analysis of multiple dicotyledonous herb species—A novel community-wide approach. <i>Basic and Applied Ecology</i> , 2017, 21, 23-33.	2.7	11
54	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , 2017, 1, 1639-1642.	7.8	95

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55	Top canopy nitrogen allocation linked to increased grassland carbon uptake in stands of varying species richness. <i>Scientific Reports</i> , 2017, 7, 8392.	3.3	3
56	Consistent increase in herbivory along two experimental plant diversity gradients over multiple years. <i>Ecosphere</i> , 2017, 8, e01876.	2.2	26
57	Vascular plant diversity structures bryophyte colonization in experimental grassland. <i>Journal of Vegetation Science</i> , 2017, 28, 903-914.	2.2	7
58	Spatial plant resource acquisition traits explain plant community effects on soil microbial properties. <i>Pedobiologia</i> , 2017, 65, 50-57.	1.2	17
59	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. <i>Basic and Applied Ecology</i> , 2017, 23, 1-73.	2.7	307
60	Plants are less negatively affected by flooding when growing in species-rich plant communities. <i>New Phytologist</i> , 2017, 213, 645-656.	7.3	79
61	Intraspecific trait variation in three common grass species reveals fine-scale species adjustment to local environmental conditions. <i>Journal of Plant Ecology</i> , 2017, , .	2.3	1
62	Functional trait dissimilarity drives both species complementarity and competitive disparity. <i>Functional Ecology</i> , 2017, 31, 2320-2329.	3.6	48
63	Resource Availability Alters Biodiversity Effects in Experimental Grass-Forb Mixtures. <i>PLoS ONE</i> , 2016, 11, e0158110.	2.5	18
64	Plant functional diversity increases grassland productivity-related water vapor fluxes: an Ecotron and modeling approach. <i>Ecology</i> , 2016, 97, 2044-2054.	3.2	25
65	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. <i>Biogeochemistry</i> , 2016, 131, 339-353.	3.5	25
66	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , 2016, 7, e01619.	2.2	87
67	Complementarity among four highly productive grassland species depends on resource availability. <i>Oecologia</i> , 2016, 181, 571-582.	2.0	39
68	Trait variation in response to resource availability and plant diversity modulates functional dissimilarity among species in experimental grasslands. <i>Journal of Plant Ecology</i> , 2016, , rtw110.	2.3	2
69	Plant diversity and functional groups affect Si and Ca pools in aboveground biomass of grassland systems. <i>Oecologia</i> , 2016, 182, 277-286.	2.0	32
70	Functional composition rather than species richness determines root characteristics of experimental grasslands grown at different light and nutrient availability. <i>Plant and Soil</i> , 2016, 404, 399-412.	3.7	14
71	Positive diversity effects on productivity in mixtures of arable weed species as related to density-size relationships. <i>Journal of Plant Ecology</i> , 2016, 9, 792-804.	2.3	14
72	Convergent high diversity in naturally colonized experimental grasslands is not related to increased productivity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 20, 32-45.	2.7	9

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73	Plant diversity generates enhanced soil microbial access to recently photosynthesized carbon in the rhizosphere. <i>Soil Biology and Biochemistry</i> , 2016, 94, 122-132.	8.8	69
74	Phenotypic plasticity to light and nutrient availability alters functional trait ranking across eight perennial grassland species. <i>AoB PLANTS</i> , 2015, 7, .	2.3	51
75	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. <i>Global Change Biology</i> , 2015, 21, 4076-4085.	9.5	134
76	Light and Nutrient Dependent Responses in Secondary Metabolites of <i>Plantago lanceolata</i> Offspring Are Due to Phenotypic Plasticity in Experimental Grasslands. <i>PLoS ONE</i> , 2015, 10, e0136073.	2.5	29
77	Plasticity of functional traits of forb species in response to biodiversity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 66-77.	2.7	58
78	Plant species diversity affects infiltration capacity in an experimental grassland through changes in soil properties. <i>Plant and Soil</i> , 2015, 397, 1-16.	3.7	105
79	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. <i>Nature Communications</i> , 2015, 6, 6092.	12.8	116
80	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , 2015, 526, 574-577.	27.8	1,032
81	Plant diversity and community history shift colonization success from early- to mid-successional species. <i>Journal of Plant Ecology</i> , 2015, 8, 231-241.	2.3	15
82	No Evidence of Complementary Water Use along a Plant Species Richness Gradient in Temperate Experimental Grasslands. <i>PLoS ONE</i> , 2015, 10, e0116367.	2.5	54
83	Contrasting Effects of Intraspecific Trait Variation on Trait-Based Niches and Performance of Legumes in Plant Mixtures. <i>PLoS ONE</i> , 2015, 10, e0119786.	2.5	40
84	Biotic and Abiotic Properties Mediating Plant Diversity Effects on Soil Microbial Communities in an Experimental Grassland. <i>PLoS ONE</i> , 2014, 9, e96182.	2.5	188
85	Different Assembly Processes Drive Shifts in Species and Functional Composition in Experimental Grasslands Varying in Sown Diversity and Community History. <i>PLoS ONE</i> , 2014, 9, e101928.	2.5	21
86	A trait-based experimental approach to understand the mechanisms underlying biodiversityâ€ecosystem functioning relationships. <i>Basic and Applied Ecology</i> , 2014, 15, 229-240.	2.7	91
87	Invertebrate herbivory increases along an experimental gradient of grassland plant diversity. <i>Oecologia</i> , 2014, 174, 183-193.	2.0	63
88	Functional diversity of leaf nitrogen concentrations drives grassland carbon fluxes. <i>Ecology Letters</i> , 2014, 17, 435-444.	6.4	94
89	Long-term study of root biomass in a biodiversity experiment reveals shifts in diversity effects over time. <i>Oikos</i> , 2014, 123, 1528-1536.	2.7	165
90	How Do Earthworms, Soil Texture and Plant Composition Affect Infiltration along an Experimental Plant Diversity Gradient in Grassland?. <i>PLoS ONE</i> , 2014, 9, e98987.	2.5	91

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91	Functionally and phylogenetically diverse plant communities key to soil biota. <i>Ecology</i> , 2013, 94, 1878-1885.	3.2	80
92	Experimental plant communities develop phylogenetically overdispersed abundance distributions during assembly. <i>Ecology</i> , 2013, 94, 465-477.	3.2	38
93	A comparison of the strength of biodiversity effects across multiple functions. <i>Oecologia</i> , 2013, 173, 223-237.	2.0	91
94	An improved model to predict the effects of changing biodiversity levels on ecosystem function. <i>Journal of Ecology</i> , 2013, 101, 344-355.	4.0	56
95	Predicting invertebrate herbivory from plant traits: Polycultures show strong nonadditive effects. <i>Ecology</i> , 2013, 94, 1499-1509.	3.2	39
96	What happens to the sown species if a biodiversity experiment is not weeded?. <i>Basic and Applied Ecology</i> , 2013, 14, 187-198.	2.7	25
97	Predicting ecosystem stability from community composition and biodiversity. <i>Ecology Letters</i> , 2013, 16, 617-625.	6.4	251
98	A functional trait-based approach to understand community assembly and diversityâ€“productivity relationships over 7 years in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 139-149.	2.7	63
99	Biodiversity Effects on Plant Stoichiometry. <i>PLoS ONE</i> , 2013, 8, e58179.	2.5	71
100	Changes in the Abundance of Grassland Species in Monocultures versus Mixtures and Their Relation to Biodiversity Effects. <i>PLoS ONE</i> , 2013, 8, e75599.	2.5	29
101	Using Plant Functional Traits to Explain Diversityâ€“Productivity Relationships. <i>PLoS ONE</i> , 2012, 7, e36760.	2.5	263
102	Predicting invertebrate herbivory from plant traits: evidence from 51 grassland species in experimental monocultures. <i>Ecology</i> , 2012, 93, 2674-2682.	3.2	80
103	Nitrogen uptake by grassland communities: contribution of N <sub>2</sub> fixation, facilitation, complementarity, and species dominance. <i>Plant and Soil</i> , 2012, 358, 301-322.	3.7	59
104	Density-Independent Mortality and Increasing Plant Diversity Are Associated with Differentiation of <i>Taraxacum officinale</i> into r- and K-Strategists. <i>PLoS ONE</i> , 2012, 7, e28121.	2.5	13
105	Plant diversity effects on aboveground and belowground N pools in temperate grassland ecosystems: Development in the first 5 years after establishment. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	90
106	Phylogenetically diverse grasslands are associated with pairwise interspecific processes that increase biomass. <i>Ecology</i> , 2011, 92, 1385-1392.	3.2	43
107	Does plant diversity influence phosphorus cycling in experimental grasslands?. <i>Geoderma</i> , 2011, 167-168, 178-187.	5.1	50
108	Plant resource-use characteristics as predictors for species contribution to community biomass in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2011, 13, 1-13.	2.7	30

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109	Light and nitrogen competition limit <i>Lolium perenne</i> in experimental grasslands of increasing plant diversity. <i>Plant Biology</i> , 2011, 13, 134-144.	3.8	31
110	Foliar and soil $^{15}\text{N}$ values reveal increased nitrogen partitioning among species in diverse grassland communities. <i>Plant, Cell and Environment</i> , 2011, 34, 895-908.	5.7	59
111	Identifying population- and community-level mechanisms of diversity-stability relationships in experimental grasslands. <i>Journal of Ecology</i> , 2011, 99, 1460-1469.	4.0	105
112	Selection for monoculture and mixture genotypes in a biodiversity experiment. <i>Basic and Applied Ecology</i> , 2011, 12, 360-371.	2.7	35
113	$\text{N}_2$ fixation and performance of 12 legume species in a 6-year grassland biodiversity experiment. <i>Plant and Soil</i> , 2011, 341, 333-348.	3.7	51
114	Legume species differ in the responses of their functional traits to plant diversity. <i>Oecologia</i> , 2011, 165, 437-452.	2.0	54
115	Adjustment to the light environment in small-statured forbs as a strategy for complementary resource use in mixtures of grassland species. <i>Annals of Botany</i> , 2011, 107, 965-979.	2.9	23
116	Differential effects of plant diversity on functional trait variation of grass species. <i>Annals of Botany</i> , 2011, 107, 157-169.	2.9	80
117	More diverse plant communities have higher functioning over time due to turnover in complementary dominant species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17034-17039.	7.1	227
118	Plant Diversity Surpasses Plant Functional Groups and Plant Productivity as Driver of Soil Biota in the Long Term. <i>PLoS ONE</i> , 2011, 6, e16055.	2.5	172
119	Plant Community Diversity Influences Allocation to Direct Chemical Defence in <i>Plantago lanceolata</i> . <i>PLoS ONE</i> , 2011, 6, e28055.	2.5	49
120	Biology, chance, or history? The predictable reassembly of temperate grassland communities. <i>Ecology</i> , 2010, 91, 408-421.	3.2	72
121	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. <i>Nature</i> , 2010, 468, 553-556.	27.8	786
122	Diversity Promotes Temporal Stability across Levels of Ecosystem Organization in Experimental Grasslands. <i>PLoS ONE</i> , 2010, 5, e13382.	2.5	95
123	The Jena Experiment: six years of data from a grassland biodiversity experiment. <i>Ecology</i> , 2010, 91, 930-931.	3.2	94
124	Metabolomics Unravel Contrasting Effects of Biodiversity on the Performance of Individual Plant Species. <i>PLoS ONE</i> , 2010, 5, e12569.	2.5	114
125	Resources, recruitment limitation and invader species identity determine pattern of spontaneous invasion in experimental grasslands. <i>Journal of Ecology</i> , 2009, 97, 32-47.	4.0	56
126	Positive biodiversity-productivity relationship due to increased plant density. <i>Journal of Ecology</i> , 2009, 97, 696-704.	4.0	141



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127	Non-random recruitment of invader species in experimental grasslands. <i>Oikos</i> , 2009, 118, 1524-1540.	2.7	20
128	Differential effects of functional traits on aboveground biomass in semi-natural grasslands. <i>Oikos</i> , 2009, 118, 1659-1668.	2.7	89
129	Community assembly and biomass production in regularly and never weeded experimental grasslands. <i>Acta Oecologica</i> , 2009, 35, 206-217.	1.1	39
130	Plant species richness and functional composition drive overyielding in a six-year grassland experiment. <i>Ecology</i> , 2009, 90, 3290-3302.	3.2	317
131	Aboveground overyielding in grassland mixtures is associated with reduced biomass partitioning to belowground organs. <i>Ecology</i> , 2009, 90, 1520-1530.	3.2	117
132	Adaptive survival mechanisms and growth limitations of small-stature herb species across a plant diversity gradient. <i>Plant Biology</i> , 2008, 10, 573-587.	3.8	29
133	Does biodiversity increase spatial stability in plant community biomass?. <i>Ecology Letters</i> , 2008, 11, 338-347.	6.4	120
134	Plant diversity positively affects short-term soil carbon storage in experimental grasslands. <i>Global Change Biology</i> , 2008, 14, 2937-2949.	9.5	260
135	Complementary nitrogen use among potentially dominant species in a biodiversity experiment varies between two years. <i>Journal of Ecology</i> , 2008, 96, 477-488.	4.0	89
136	Effects of trait plasticity on aboveground biomass production depend on species identity in experimental grasslands. <i>Basic and Applied Ecology</i> , 2008, 9, 475-484.	2.7	27
137	Species richness and identity affect the use of aboveground space in experimental grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2008, 10, 73-87.	2.7	73
138	Genetic Identity Affects Performance of Species in Grasslands of Different Plant Diversity: An Experiment with <i>Lolium perenne</i> Cultivars. <i>Annals of Botany</i> , 2008, 102, 113-125.	2.9	23
139	Soil and Plant Nitrogen Pools as Related to Plant Diversity in an Experimental Grassland. <i>Soil Science Society of America Journal</i> , 2007, 71, 720-729.	2.2	114
140	Nitrogen and Phosphorus Budgets in Experimental Grasslands of Variable Diversity. <i>Journal of Environmental Quality</i> , 2007, 36, 396-407.	2.0	58
141	Niche pre-emption increases with species richness in experimental plant communities. <i>Journal of Ecology</i> , 2007, 95, 65-78.	4.0	169
142	Establishment of grassland species in monocultures: different strategies lead to success. <i>Oecologia</i> , 2007, 152, 435-447.	2.0	50
143	Resistance to rust fungi in <i>Lolium perenne</i> depends on within-species variation and performance of the host species in grasslands of different plant diversity. <i>Oecologia</i> , 2007, 153, 173-183.	2.0	45
144	Detecting the role of individual species for overyielding in experimental grassland communities composed of potentially dominant species. <i>Oecologia</i> , 2007, 154, 535-549.	2.0	72

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145	Effects of plant diversity on invertebrate herbivory in experimental grassland. <i>Oecologia</i> , 2006, 147, 489-500.	2.0	92
146	Overyielding in experimental grassland communities - irrespective of species pool or spatial scale. <i>Ecology Letters</i> , 2005, 8, 419-429.	6.4	259
147	The role of biodiversity for element cycling and trophic interactions: an experimental approach in a grassland community. <i>Basic and Applied Ecology</i> , 2004, 5, 107-121.	2.7	508
148	Biotic interactions, community assembly, and eco-evolutionary dynamics as drivers of long-term biodiversity-ecosystem functioning relationships. <i>Research Ideas and Outcomes</i> , 0, 5, .	1.0	23