Martin Zobel

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Novel ecosystems: theoretical and management aspects of the new ecological world order. Global Ecology and Biogeography, 2006, 15, 1-7.	5.8	1,528
2	Extinction debt: a challenge for biodiversity conservation. Trends in Ecology and Evolution, 2009, 24, 564-571.	8.7	1,053
3	Alien species in a warmer world: risks and opportunities. Trends in Ecology and Evolution, 2009, 24, 686-693.	8.7	1,031
4	The online database Maarj<i>AM</i> reveals global and ecosystemic distribution patterns in arbuscular mycorrhizal fungi (Glomeromycota). New Phytologist, 2010, 188, 223-241.	7.3	857
5	The relative of species pools in determining plant species richness: an alternative explanation of species coexistence?. Trends in Ecology and Evolution, 1997, 12, 266-269.	8.7	837
6	Ecological assembly rules in plant communitiesâ€"approaches, patterns and prospects. Biological Reviews, 2012, 87, 111-127.	10.4	717
7	Rooting theories of plant community ecology in microbial interactions. Trends in Ecology and Evolution, 2010, 25, 468-478.	8.7	666
8	Global assessment of arbuscular mycorrhizal fungus diversity reveals very low endemism. Science, 2015, 349, 970-973.	12.6	644
9	Habitat fragmentation causes immediate and timeâ€delayed biodiversity loss at different trophic levels. Ecology Letters, 2010, 13, 597-605.	6.4	620
10	Indicators for biodiversity in agricultural landscapes: a panâ€European study. Journal of Applied Ecology, 2008, 45, 141-150.	4.0	530
11	Fifty thousand years of Arctic vegetation and megafaunal diet. Nature, 2014, 506, 47-51.	27.8	505
12	Largeâ€scale parallel 454 sequencing reveals host ecological group specificity of arbuscular mycorrhizal fungi in a boreonemoral forest. New Phytologist, 2009, 184, 424-437.	7.3	481
13	Composition of root-colonizing arbuscular mycorrhizal fungal communities in different ecosystems around the globe. Journal of Ecology, 2006, 94, 778-790.	4.0	470
14	How mycorrhizal associations drive plant population and community biology. Science, 2020, 367, .	12.6	453
15	The Species Pool and Its Relation to Species Richness: Evidence from Estonian Plant Communities. Oikos, 1996, 75, 111.	2.7	404
16	Which is a better predictor of plant traits: temperature or precipitation?. Journal of Vegetation Science, 2014, 25, 1167-1180.	2.2	323
17	Worldwide evidence of a unimodal relationship between productivity and plant species richness. Science, 2015, 349, 302-305.	12.6	315
18	Quantifying the Contribution of Organisms to the Provision of Ecosystem Services. BioScience, 2009, 59, 223-235.	4.9	312

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19	Species pool: the concept, its determination and significance for community restoration. Applied Vegetation Science, 1998, 1, 55-66.	1.9	305
20	Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi. Mycorrhiza, 2013, 23, 411-430.	2.8	280
21	Dark diversity: shedding light on absent species. Trends in Ecology and Evolution, 2011, 26, 124-128.	8.7	275
22	Why do we need permanent plots in the study of long-term vegetation dynamics?. Journal of Vegetation Science, 1996, 7, 147-156.	2.2	270
23	Plant Species Coexistence: The Role of Historical, Evolutionary and Ecological Factors. Oikos, 1992, 65, 314.	2.7	269
24	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. Biological Reviews, 2010, 85, 777-795.	10.4	259
25	Species richness of arbuscular mycorrhizal fungi: associations with grassland plant richness and biomass. New Phytologist, 2014, 203, 233-244.	7.3	256
26	High species richness in an Estonian wooded meadow. Journal of Vegetation Science, 1991, 2, 715-718.	2.2	252
27	Predicting species' maximum dispersal distances from simple plant traits. Ecology, 2014, 95, 505-513.	3.2	207
28	Functional species pool framework to test for biotic effects on community assembly. Ecology, 2012, 93, 2263-2273.	3.2	205
29	Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across <scp>N</scp>orthern <scp>E</scp>urope. Global Change Biology, 2013, 19, 1470-1481.	9.5	200
30	Arbuscular mycorrhizal fungal communities in plant roots are not random assemblages. FEMS Microbiology Ecology, 2011, 78, 103-115.	2.7	183
31	Agricultural Policies Exacerbate Honeybee Pollination Service Supply-Demand Mismatches Across Europe. PLoS ONE, 2014, 9, e82996.	2.5	171
32	DNA-based detection and identification of Glomeromycota: the virtual taxonomy of environmental sequences. Botany, 2014, 92, 135-147.	1.0	170
33	THE ROLE OF THE SEED BANK IN GAP REGENERATION IN A CALCAREOUS GRASSLAND COMMUNITY. Ecology, 2002, 83, 1017-1025.	3.2	169
34	Alarm: Assessing Large-scale environmental Risks for biodiversity with tested Methods. Gaia, 2005, 14, 69-72.	0.7	160
35	Effects of landscape structure and landâ€use intensity on similarity of plant and animal communities. Global Ecology and Biogeography, 2007, 16, 774-787.	5.8	151
36	Mycorrhizas in the Central European flora: relationships with plant life history traits and ecology. Ecology, 2013, 94, 1389-1399.	3.2	150

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37	Communities of Arbuscular Mycorrhizal Fungi Detected in Forest Soil Are Spatially Heterogeneous but Do Not Vary throughout the Growing Season. PLoS ONE, 2012, 7, e41938.	2.5	150
38	Divergent arbuscular mycorrhizal fungal communities colonize roots of Pulsatilla spp. in boreal Scots pine forest and grassland soils. New Phytologist, 2003, 160, 581-593.	7.3	149
39	High diversity of arbuscular mycorrhizal fungi in a boreal herbâ€rich coniferous forest. New Phytologist, 2008, 179, 867-876.	7.3	149
40	Forces that structure plant communities: quantifying the importance of the mycorrhizal symbiosis. New Phytologist, 2011, 189, 366-370.	7.3	149
41	The species pool concept as a framework for studying patterns of plant diversity. Journal of Vegetation Science, 2016, 27, 8-18.	2.2	149
42	Identifying and prioritising services in European terrestrial and freshwater ecosystems. Biodiversity and Conservation, 2010, 19, 2791-2821.	2.6	146
43	CONTRASTING PLANT PRODUCTIVITYâ€"DIVERSITY RELATIONSHIPS ACROSS LATITUDE: THE ROLE OF EVOLUTIONARY HISTORY. Ecology, 2007, 88, 1091-1097.	3.2	145
44	Anthropogenic land use shapes the composition and phylogenetic structure of soil arbuscular mycorrhizal fungal communities. FEMS Microbiology Ecology, 2014, 90, 609-621.	2.7	138
45	Ecosystem services and biodiversity conservation: concepts and a glossary. Biodiversity and Conservation, 2010, 19, 2773-2790.	2.6	137
46	Alien plants associate with widespread generalist arbuscular mycorrhizal fungal taxa: evidence from a continental-scale study using massively parallel 454 sequencing. Journal of Biogeography, 2011, 38, 1305-1317.	3.0	137
47	On the use of weather data in ecological studies along altitudinal and latitudinal gradients. Oikos, 2012, 121, 3-19.	2.7	135
48	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. New Phytologist, 2021, 231, 763-776.	7.3	126
49	Plant and arbuscular mycorrhizal fungal (<scp>AMF</scp>) communities â€" which drives which?. Journal of Vegetation Science, 2014, 25, 1133-1140.	2.2	123
50	Effect of arbuscular mycorrhiza on inter- and intraspecific competition of two grassland species. Oecologia, 1996, 108, 79-84.	2.0	118
51	Synchrony matters more than species richness in plant community stability at a global scale. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24345-24351.	7.1	113
52	Small-scale plant species richness in calcareous grasslands determined by the species pool, community age and shoot density. Ecography, 1999, 22, 153-159.	4.5	111
53	Plant functional group composition and largeâ€scale species richness in European agricultural landscapes. Journal of Vegetation Science, 2008, 19, 3-14.	2.2	111
54	Plant species richness belowground: higher richness and new patterns revealed by nextâ€generation sequencing. Molecular Ecology, 2012, 21, 2004-2016.	3.9	105

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55	Benefits of mycorrhizal inoculation to ecological restoration depend on plant functional type, restoration context and time. Fungal Ecology, 2019, 40, 140-149.	1.6	103
56	Title is missing!. Landscape Ecology, 1999, 14, 187-196.	4.2	102
57	Fine-root traits in the global spectrum of plant form and function. Nature, 2021, 597, 683-687.	27.8	102
58	Restoration of species-rich limestone grassland communities from overgrown land: the importance of propagule availability. Ecological Engineering, 1998, 10, 275-286.	3.6	98
59	Grassland diversity related to the Late Iron Age human population density. Journal of Ecology, 2007, 95, 574-582.	4.0	95
60	Native arbuscular mycorrhizal fungal communities differentially influence the seedling performance of rare and common Pulsatilla species. Functional Ecology, 2004, 18, 554-562.	3.6	93
61	An experimental facility for free air humidity manipulation (FAHM) can alter water flux through deciduous tree canopy. Environmental and Experimental Botany, 2011, 72, 432-438.	4.2	90
62	Alvar grasslands in Estonia: variation in species composition and community structure. Journal of Vegetation Science, 1999, 10, 561-570.	2.2	87
63	The formation of species pools: historical habitat abundance affects current local diversity. Global Ecology and Biogeography, 2011, 20, 251-259.	5.8	87
64	The dynamics of species richness in an experimentally restored calcareous grassland. Journal of Vegetation Science, 1996, 7, 203-210.	2.2	86
65	Root-colonizing and soil-borne communities of arbuscular mycorrhizal fungi in a temperate forest understorey. Botany, 2014, 92, 277-285.	1.0	86
66	Niche differentiation and expansion of plant species are associated with mycorrhizal symbiosis. Journal of Ecology, 2018, 106, 254-264.	4.0	86
67	Grouping and prioritization of vascular plant species for conservation: combining natural rarity and management need. Biological Conservation, 2005, 123, 271-278.	4.1	84
68	Plant mycorrhizal status, but not type, shifts with latitude and elevation in Europe. Global Ecology and Biogeography, 2017, 26, 690-699.	5.8	84
69	Changing conservation strategies in Europe: a framework integrating ecosystem services and dynamics. Biodiversity and Conservation, 2010, 19, 2963-2977.	2.6	83
70	Nonâ€random association patterns in a plantâ€"mycorrhizal fungal network reveal hostâ€"symbiont specificity. Molecular Ecology, 2019, 28, 365-378.	3.9	81
71	Prediction uncertainty of environmental change effects on temperate European biodiversity. Ecology Letters, 2008, 11, 235-244.	6.4	79
72	Mycorrhizal status helps explain invasion success of alien plant species. Ecology, 2017, 98, 92-102.	3.2	77

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73	Plant diversity in a calcareous wooded meadow â€“ The significance of management continuity. Journal of Vegetation Science, 2008, 19, 475-484.	2.2	74
74	Which randomizations detect convergence and divergence in traitâ€based community assembly? A test of commonly used null models. Journal of Vegetation Science, 2016, 27, 1275-1287.	2.2	73
75	Hierarchical assembly rules in arbuscular mycorrhizal (AM) fungal communities. Soil Biology and Biochemistry, 2016, 97, 63-70.	8.8	73
76	Structure and function of the soil microbiome underlying N2O emissions from global wetlands. Nature Communications, 2022, 13, 1430.	12.8	72
77	Dispersal limitation may result in the unimodal productivity-diversity relationship: a new explanation for a general pattern. Journal of Ecology, 2007, 95, 90-94.	4.0	69
78	What determines the relationship between plant diversity and habitat productivity?. Global Ecology and Biogeography, 2008, 17, 679-684.	5.8	69
79	Community Completeness: Linking Local and Dark Diversity within the Species Pool Concept. Folia Geobotanica, 2013, 48, 307-317.	0.9	69
80	Plant functional groups associate with distinct arbuscular mycorrhizal fungal communities. New Phytologist, 2020, 226, 1117-1128.	7.3	69
81	The role of plant mycorrhizal type and status in modulating the relationship between plant and arbuscular mycorrhizal fungal communities. New Phytologist, 2018, 220, 1236-1247.	7.3	68
82	Soil seed bank composition in different successional stages of a species rich wooded meadow in Laelatu, western Estonia. Acta Oecologica, 1998, 19, 175-180.	1.1	67
83	Symbiont dynamics during ecosystem succession: co-occurring plant and arbuscular mycorrhizal fungal communities. FEMS Microbiology Ecology, 2016, 92, fiw097.	2.7	67
84	Historical biome distribution and recent human disturbance shape the diversity of arbuscular mycorrhizal fungi. New Phytologist, 2017, 216, 227-238.	7.3	66
85	Developing European conservation and mitigation tools for pollination services: approaches of the STEP (Status and Trends of European Pollinators) project. Journal of Apicultural Research, 2011, 50, 152-164.	1.5	64
86	Sequence variation in nuclear ribosomal small subunit, internal transcribed spacer and large subunit regions of <i>Rhizophagus irregularis</i> and <i>Gigaspora margarita</i> is high and isolateâ€dependent. Molecular Ecology, 2016, 25, 2816-2832.	3.9	64
87	Bacterial community structure and its relationship to soil physico-chemical characteristics in alder stands with different management histories. Ecological Engineering, 2012, 49, 10-17.	3.6	63
88	Macroecology of biodiversity: disentangling local and regional effects. New Phytologist, 2016, 211, 404-410.	7.3	63
89	Restoration potential of the persistent soil seed bank in successional calcareous (alvar) grasslands in <scp>E</scp>stonia. Applied Vegetation Science, 2012, 15, 208-218.	1.9	61
90	Soil Nutrient Content Influences the Abundance of Soil Microbes but Not Plant Biomass at the Small-Scale. PLoS ONE, 2014, 9, e91998.	2.5	60

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91	Arbuscular Mycorrhizal Fungal Networks Vary throughout the Growing Season and between Successional Stages. PLoS ONE, 2013, 8, e83241.	2.5	58
92	Increased sequencing depth does not increase captured diversity of arbuscular mycorrhizal fungi. Mycorrhiza, 2017, 27, 761-773.	2.8	58
93	Plant Coexistence in the Interactive Environment: Arbuscular Mycorrhiza Should Not Be out of Mind. Oikos, 1997, 78, 202.	2.7	57
94	Widespread homogenization of plant communities in the Anthropocene. Nature Communications, 2021, 12, 6983.	12.8	57
95	Autogenic succession in boreal mires â€" A review. Folia Geobotanica Et Phytotaxonomica, 1988, 23, 417-445.	0.4	56
96	Change in pattern diversity during secondary succession in Estonian forests. Journal of Vegetation Science, 1993, 4, 489-498.	2.2	56
97	Soil seed bank and vegetation in mixed coniferous forest stands with different disturbance regimes. Forest Ecology and Management, 2007, 250, 71-76.	3.2	56
98	Microbial island biogeography: isolation shapes the life history characteristics but not diversity of root-symbiotic fungal communities. ISME Journal, 2018, 12, 2211-2224.	9.8	55
99	Species richness limitations in productive and oligotrophic plant communities. Oikos, 2000, 90, 191-193.	2.7	54
100	Securing the Conservation of Biodiversity across Administrative Levels and Spatial, Temporal, and Ecological Scales â€" Research Needs and Approaches of the <i>SCALES</i> Project. Gaia, 2010, 19, 187-193.	0.7	54
101	Clonal mobility and its implications for spatio-temporal patterns of plant communities: what do we need to know next?. Oikos, 2010, 119, 802-806.	2.7	52
102	Characteristic and derived diversity: implementing the species pool concept to quantify conservation condition of habitats. Diversity and Distributions, 2015, 21, 711-721.	4.1	52
103	Is Species Richness Dependent on the Neighbouring Stands? An Analysis of the Community Patterns in Mountain Grasslands of Central Argentina. Oikos, 1999, 87, 346.	2.7	50
104	Differential effect of arbuscular mycorrhizal fungal communities from ecosystems along management gradient on the growth of forest understorey plant species. Soil Biology and Biochemistry, 2009, 41, 2141-2146.	8.8	49
105	sPlotOpen â€" An environmentally balanced, openâ€access, global dataset of vegetation plots. Global Ecology and Biogeography, 2021, 30, 1740-1764.	5.8	49
106	Spatial pattern and species richness of boreonemoral forest understorey and its determinantsâ€"A comparison of differently managed forests. Forest Ecology and Management, 2007, 250, 64-70.	3.2	47
107	Plant community mycorrhization in temperate forests and grasslands: relations with edaphic properties and plant diversity. Journal of Vegetation Science, 2016, 27, 89-99.	2.2	45
108	What is the role of local landscape structure in the vegetation composition of field boundaries?. Applied Vegetation Science, 2008, 11, 375-386.	1.9	44

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109	Unravelling the effects of temperature, latitude and local environment on the reproduction of forest herbs. Global Ecology and Biogeography, 2009, 18, 641-651.	5.8	44
110	Significant effects of temperature on the reproductive output of the forest herb Anemone nemorosa L.. Forest Ecology and Management, 2010, 259, 809-817.	3.2	41
111	Impact of alien pines on local arbuscular mycorrhizal fungal communitiesâ€"evidence from two continents. FEMS Microbiology Ecology, 2016, 92, fiw073.	2.7	41
112	Dispersal of arbuscular mycorrhizal fungi and plants during succession. Acta Oecologica, 2016, 77, 128-135.	1.1	41
113	Small-scale dynamics and species richness in successional alvar plant communities. Ecography, 1995, 18, 83-90.	4.5	40
114	The seed bank in an estonian calcareous grassland: Comparison of different successional stages. Folia Geobotanica, 1997, 32, 1-14.	0.9	40
115	Biodiversity and ecosystem functioning: It is time for dispersal experiments. Journal of Vegetation Science, 2006, 17, 543-547.	2.2	40
116	Disjunct populations of <scp>E</scp>uropean vascular plant species keep the same climatic niches. Global Ecology and Biogeography, 2015, 24, 1401-1412.	5.8	39
117	Moisture conditions and the presence of bryophytes determine fescue species abundance in a dry calcareous grassland. Oecologia, 2004, 138, 293-299.	2.0	38
118	Monitoring of Biological Diversity: a Common-Ground Approach. Conservation Biology, 2007, 21, 313-317.	4.7	38
119	Arbuscular mycorrhizal fungal communities in forest plant roots are simultaneously shaped by host characteristics and canopy-mediated light availability. Plant and Soil, 2017, 410, 259-271.	3.7	38
120	Diversity and dispersal â€" Can the link be approached experimentally?. Folia Geobotanica, 2005, 40, 3-11.	0.9	36
121	Arbuscular Mycorrhizae and Plantâ€"Plant Interactions. , 2010, , 79-98.		36
122	Environmental relationships of vegetation patterns in saltmarshes of central Argentina. Folia Geobotanica, 1998, 33, 133-145.	0.9	35
123	Title is missing!. Plant Ecology, 2001, 157, 205-213.	1.6	35
124	Restoration Management of a Floodplain Meadow and Its Cost-Effectiveness â€" the Results of a 6-Year Experiment. Annales Botanici Fennici, 2009, 46, 397-408.	0.1	33
125	Coâ€introduction of native mycorrhizal fungi and plant seeds accelerates restoration of postâ€mining landscapes. Journal of Applied Ecology, 2020, 57, 1741-1751.	4.0	33
126	Temperate forest understorey species performance is altered by local arbuscular mycorrhizal fungal communities from stands of different successional stages. Plant and Soil, 2012, 356, 331-339.	3.7	32

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127	The localâ€regional species richness relationship: new perspectives on the nullâ€hypothesis. Oikos, 2012, 121, 321-326.	2.7	32
128	Anthropogenic disturbance equalizes diversity levels in arbuscular mycorrhizal fungal communities. Global Change Biology, 2018, 24, 2649-2659.	9.5	32
129	Misdiagnosis and uncritical use of plant mycorrhizal data are not the only elephants in the room. New Phytologist, 2019, 224, 1415-1418.	7.3	32
130	Studying plant competition: from root biomass to general aims. Journal of Ecology, 2002, 90, 578-580.	4.0	31
131	Past and Present Effectiveness of Protected Areas for Conservation of Naturally and Anthropogenically Rare Plant Species. Conservation Biology, 2009, 23, 750-757.	4.7	31
132	Mycorrhiza, vegetative mobility and responses to disturbance of alpine plants in the northwestern caucasus. Folia Geobotanica, 2000, 35, 1-11.	0.9	30
133	Distribution patterns of arbuscular mycorrhizal and non-mycorrhizal plant species in Germany. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 21, 78-88.	2.7	30
134	Different wheat cultivars exhibit variable responses to inoculation with arbuscular mycorrhizal fungi from organic and conventional farms. PLoS ONE, 2020, 15, e0233878.	2.5	29
135	An experimental test of diversity maintenance mechanisms, by a species removal experiment in a species-rich wooded meadow. Folia Geobotanica Et Phytotaxonomica, 1994, 29, 449-457.	0.4	28
136	Understory plant diversity is related to higher variability of vegetative mobility of coexisting species. Oecologia, 2009, 159, 355-361.	2.0	28
137	AM fungal communities inhabiting the roots of submerged aquatic plant Lobelia dortmanna are diverse and include a high proportion of novel taxa. Mycorrhiza, 2016, 26, 735-745.	2.8	28
138	Conceptual differences lead to divergent trait estimates in empirical and taxonomic approaches to plant mycorrhizal trait assignment. Mycorrhiza, 2019, 29, 1-11.	2.8	28
139	The effects of species pool, dispersal and competition on the diversityâ€"productivity relationship. Global Ecology and Biogeography, 2010, 19, 343-351.	5.8	27
140	Effects of arbuscular mycorrhiza on community composition and seedling recruitment in temperate forest understory. Basic and Applied Ecology, 2012, 13, 663-672.	2.7	27
141	Interspecific competition and arbuscular mycorrhiza: Importance for the coexistence of two calcareous grassland species. Folia Geobotanica Et Phytotaxonomica, 1995, 30, 223-230.	0.4	26
142	Responses of a rare (Viola elatior) and a common (Viola mirabilis) congeneric species to different management conditions in grassland â€" is different light competition ability responsible for different abundances?. Acta Oecologica, 2003, 24, 169-174.	1.1	26
143	Disentangling the processes driving plant assemblages in mountain grasslands across spatial scales and environmental gradients. Journal of Ecology, 2019, 107, 265-278.	4.0	26
144	Threatened herbaceous species dependent on moderate forest disturbances: A neglected target for ecosystem-based silviculture. Scandinavian Journal of Forest Research, 2005, 20, 145-152.	1.4	25

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145	Effects of land use on arbuscular mycorrhizal fungal communities in Estonia. Mycorrhiza, 2018, 28, 259-268.	2.8	24
146	Ancient environmental DNA reveals shifts in dominant mutualisms during the lateÂQuaternary. Nature Communications, 2018, 9, 139.	12.8	24
147	Do different competitive abilities of three fern species explain their different regional abundances?. Journal of Vegetation Science, 2004, 15, 351-356.	2.2	23
148	Formation and succession of alvar communities in the Baltic land uplift area. Nordic Journal of Botany, 1992, 12, 249-256.	0.5	22
149	The productivityâ€“diversity relationship: varying aims and approaches. Ecology, 2010, 91, 2565-2567.	3.2	22
150	Inter- and intrasporal nuclear ribosomal gene sequence variation within one isolate of arbuscular mycorrhizal fungus, Diversispora sp.. Symbiosis, 2012, 58, 135-147.	2.3	22
151	Soybean cultivation supports a diverse arbuscular mycorrhizal fungal community in central Argentina. Applied Soil Ecology, 2018, 124, 289-297.	4.3	22
152	Changes in dispersal and light capturing traits explain postâ€abandonment community change in semiâ€natural grasslands. Journal of Vegetation Science, 2016, 27, 1222-1232.	2.2	21
153	Asymmetric patterns of global diversity among plants and mycorrhizal fungi. Journal of Vegetation Science, 2020, 31, 355-366.	2.2	20
154	Light availability and light demand of plants shape the arbuscular mycorrhizal fungal communities in their roots. Ecology Letters, 2021, 24, 426-437.	6.4	20
155	A new null hypothesis for measuring the degree of plant community organization. Plant Ecology, 1988, 75, 17-25.	1.2	19
156	Spatially-Explicit Estimation of Geographical Representation in Large-Scale Species Distribution Datasets. PLoS ONE, 2014, 9, e85306.	2.5	19
157	Seed bank and its restoration potential in <scp>E</scp>stonian flooded meadows. Applied Vegetation Science, 2014, 17, 262-273.	1.9	19
158	Arbuscular Mycorrhizal Fungal Communities in the Soils of Desert Habitats. Microorganisms, 2021, 9, 229.	3.6	19
159	Global soil microbiomes: A new frontline of biomeâ€ecology research. Global Ecology and Biogeography, 2022, 31, 1120-1132.	5.8	19
160	Conservation of the Endemic Fern Lineage Diellia (Aspleniaceae) on the Hawaiian Islands: Can Population Structure Indicate Regional Dynamics and Endangering Factors?. Folia Geobotanica, 2008, 43, 3-18.	0.9	17
161	Restoration of flooded meadows in <scp>E</scp>stonia â€“ vegetation changes and management indicators. Applied Vegetation Science, 2012, 15, 231-244.	1.9	17
162	Response to Comment on â€œGlobal assessment of arbuscular mycorrhizal fungus diversity reveals very low endemismâ€. Science, 2016, 351, 826-826.	12.6	17

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163	Arbuscular mycorrhizal fungal communities in tropical rain forest are resilient to slash-and-burn agriculture. Journal of Tropical Ecology, 2018, 34, 186-199.	1.1	17
164	Is Small-Scale Species Richness Limited by Seed Availability or Microsite Availability?. Ecology, 2000, 81, 3274.	3.2	17
165	Population stage structure of Hawaiian endemic fern taxa of Diellia (Aspleniaceae): implications for monitoring and regional dynamics. Canadian Journal of Botany, 2004, 82, 1438-1445.	1.1	16
166	Biological Flora of the British Isles: <i>Dryopteris carthusiana</i>, <i>D.Âdilatata</i> and <i>D.Âexpansa</i>. Journal of Ecology, 2012, 100, 1039-1063.	4.0	16
167	Grassland diversity under changing productivity and the underlying mechanisms â€“ results of a 10â€yr experiment. Journal of Vegetation Science, 2012, 23, 919-930.	2.2	16
168	Facultative mycorrhizal associations promote plant naturalization worldwide. Ecosphere, 2019, 10, e02937.	2.2	16
169	Not a melting pot: Plant species aggregate in their nonâ€native range. Global Ecology and Biogeography, 2020, 29, 482-490.	5.8	16
170	Global macroecology of nitrogenâ€fixing plants. Global Ecology and Biogeography, 2021, 30, 514-526.	5.8	16
171	Observed and dark diversity of alien plant species in Europe: estimating future invasion risk. Biodiversity and Conservation, 2017, 26, 899-916.	2.6	15
172	Directional trends in species composition over time can lead to a widespread overemphasis of yearâ€toâ€year asynchrony. Journal of Vegetation Science, 2020, 31, 792-802.	2.2	15
173	Can arbuscular mycorrhiza change the effect of root competition between conspecific plants of different ages?. Canadian Journal of Botany, 1998, 76, 613-619.	1.1	14
174	Woody encroachment in grassland elicits complex changes in the functional structure of aboveâ€and belowground biota. Ecosphere, 2021, 12, e03512.	2.2	14
175	Global taxonomic and phylogenetic assembly of AM fungi. Mycorrhiza, 2022, 32, 135-144.	2.8	14
176	Impact of management on biodiversity-biomass relations in Estonian flooded meadows. Plant Ecology, 2013, 214, 845-856.	1.6	13
177	Research questions to facilitate the future development of European long-term ecosystem research infrastructures: A horizon scanning exercise. Journal of Environmental Management, 2019, 250, 109479.	7.8	13
178	Small-scale dynamics of plant communities in an experimentally polluted and fungicide-treated subarctic birch-pine forest. Acta Oecologica, 1999, 20, 29-37.	1.1	12
179	Arbuscular mycorrhizal fungi associating with roots of Alnus and Rubus in Europe and the Middle East. Fungal Ecology, 2016, 24, 27-34.	1.6	12
180	Towards a consistent benchmark for plant mycorrhizal association databases. New Phytologist, 2021, 231, 913-916.	7.3	12

#	Article	IF	Citations
181	Response of bryophytes to afforestation, increase of air humidity, and enrichment of soil diaspore bank. Forest Ecology and Management, 2019, 432, 64-72.	3.2	11
182	Diversity of arbuscular mycorrhizal fungi and its chemical drivers across dryland habitats. Mycorrhiza, 2021, 31, 685-697.	2.8	11
183	Dominance, diversity, and niche breadth in arbuscular mycorrhizal fungal communities. Ecology, 2022, 103, e3761.	3.2	11
184	Electroactive polymers as a novel actuator technology for lighter-than-air vehicles. , 2007, , .		10
185	Establishment of a cross-European field site network in the ALARM project for assessing large-scale changes in biodiversity. Environmental Monitoring and Assessment, 2010, 164, 337-348.	2.7	10
186	Discerning the niche of dark diversity. Trends in Ecology and Evolution, 2011, 26, 265-266.	8.7	9
187	Response to Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€. Science, 2015, 350, 1177-1177.	12.6	9
188	Widely distributed native and alien plant species differ in arbuscular mycorrhizal associations and related functional trait interactions. Ecography, 2018, 41, 1583-1593.	4.5	9
189	DarkDivNet â€" A global research collaboration to explore the dark diversity of plant communities. Journal of Vegetation Science, 2019, 30, 1039-1043.	2.2	9
190	Global Patterns in Local and Dark Diversity, Species Pool Size and Community Completeness in Ectomycorrhizal Fungi. Ecological Studies, 2017, , 395-406.	1.2	9
191	Small-scale turnover in a calcareous grassland, its pattern and components. Journal of Vegetation Science, 2002, 13, 199.	2.2	9
192	Can long-distance dispersal shape the local and regional species pool?. Folia Geobotanica, 2005, 40, 35-44.	0.9	8
193	Different factors govern the performance of three closely related and ecologically similar Dryopteris species with contrastingly different abundance in a transplant experiment. Botany, 2010, 88, 961-969.	1.0	8
194	The resilience of the forest field layer to anthropogenic disturbances depends on site productivity. Canadian Journal of Forest Research, 2013, 43, 1040-1049.	1.7	8
195	Arbuscular mycorrhizal fungal community composition determines the competitive response of two grassland forbs. PLoS ONE, 2019, 14, e0219527.	2.5	8
196	The joint effect of host plant genetic diversity and arbuscular mycorrhizal fungal communities on restoration success. Functional Ecology, 2021, 35, 2621-2634.	3.6	8
197	An Assessment of Ecosystem Services and Biodiversity in Europe. Issues in Environmental Science and Technology, 2010, , 1-28.	0.4	8
198	Secondary succession and summer herbivory in a subarctic grassland: community structure and diversity. Ecography, 1997, 20, 595-604.	4.5	7

#	Article	IF	Citations
199	Landscapes, management practices and their interactions shape soil fungal diversity in arable fields â€“ Evidence from a nationwide farmers' network. Soil Biology and Biochemistry, 2022, 168, 108652.	8.8	7
200	Eltonian niche width determines range expansion success in ectomycorrhizal conifers. New Phytologist, 2018, 220, 947-949.	7.3	6
201	Are invaders disturbance-limited? Conservation of mountain grasslands in Central Argentina. Applied Vegetation Science, 2002, 5, 195.	1.9	6
202	Response to Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€• Science, 2016, 351, 457-457.	12.6	5
203	Biodiversity and ecosystem functioning: It is time for dispersal experiments. Journal of Vegetation Science, 2006, 17, 543.	2.2	5
204	Vegetation structure and species coexistence. Folia Geobotanica Et Phytotaxonomica, 1994, 29, 433-437.	0.4	4
205	Differences In Post-Emergence Growth Of Three Fern Species Could Help Explain Their Varying Local Abundance. American Fern Journal, 2009, 99, 307-322.	0.3	4
206	Vegetation patterns and their underlying processes: where are we now?. Journal of Vegetation Science, 2014, 25, 1113-1116.	2.2	4
207	Secondary succession in alvar grasslands â€“ do changes in vascular plant and cryptogam communities correspond?. Folia Geobotanica, 2016, 51, 285-296.	0.9	4
208	Responses of plant community mycorrhization to anthropogenic influence depend on the habitat and mycorrhizal type. Oikos, 2019, 128, 1565-1575.	2.7	4
209	The role of genetic diversity and arbuscular mycorrhizal fungal diversity in population recovery of the semi-natural grassland plant species Succisa pratensis. Bmc Ecology and Evolution, 2021, 21, 200.	1.6	4
210	LOTVS: A global collection of permanent vegetation plots. Journal of Vegetation Science, 2022, 33, .	2.2	4
211	Plant diversity but not productivity is associated with community mycorrhization in temperate grasslands. Journal of Vegetation Science, 2022, 33, .	2.2	2
212	Arbuscular mycorrhizal fungi promote small-scale vegetation recovery in the forest understorey. Oecologia, 2021, 197, 685-697.	2.0	1