

# Markus Fischer

## List of Publications by Citations

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308  
papers

21,958  
citations

75  
h-index

140  
g-index

316  
ext. papers

26,746  
ext. citations

6.3  
avg, IF

6.83  
L-index

#	Paper	IF	Citations
308	The IPBES Conceptual Framework [Connecting nature and people. <i>Current Opinion in Environmental Sustainability</i> , <b>2015</b> , 14, 1-16	7.2	1191
307	A meta-analysis of trait differences between invasive and non-invasive plant species. <i>Ecology Letters</i> , <b>2010</b> , 13, 235-45	10	1134
306	A meta-analysis of local adaptation in plants. <i>PLoS ONE</i> , <b>2008</b> , 3, e4010	3.7	657
305	How general are positive relationships between plant population size, fitness and genetic variation?. <i>Journal of Ecology</i> , <b>2006</b> , 94, 942-952	6	623
304	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. <i>Nature</i> , <b>2010</b> , 468, 553-6	50.4	614
303	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , <b>2016</b> , 354,	33.3	593
302	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
301	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
300	Constraints on the evolution of adaptive phenotypic plasticity in plants. <i>New Phytologist</i> , <b>2005</b> , 166, 49-608	6.8	447
299	Mapping tree density at a global scale. <i>Nature</i> , <b>2015</b> , 525, 201-5	50.4	402
298	Arthropod decline in grasslands and forests is associated with landscape-level drivers. <i>Nature</i> , <b>2019</b> , 574, 671-674	50.4	372
297	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
296	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. <i>Nature</i> , <b>2016</b> , 536, 456-9	50.4	345
295	Local Extinctions of Plants in Remnants of Extensively Used Calcareous Grasslands 1950–1985. <i>Conservation Biology</i> , <b>1997</b> , 11, 727-737	6	309
294	Are invaders different? A conceptual framework of comparative approaches for assessing determinants of invasiveness. <i>Ecology Letters</i> , <b>2010</b> , 13, 947-58	10	306
293	Plant species richness and functional composition driveoveryielding in a six-year grassland experiment. <i>Ecology</i> , <b>2009</b> , 90, 3290-302	4.6	263
292	Redefining ecosystem multifunctionality. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 427-436	12.3	241

291	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
290	Land-use intensification causes multitrophic homogenization of grassland communities. <i>Nature</i> , <b>2016</b> , 540, 266-269	50.4	236
289	Epigenetic variation creates potential for evolution of plant phenotypic plasticity. <i>New Phytologist</i> , <b>2013</b> , 197, 314-322	9.8	228
288	Impacts of species richness on productivity in a large-scale subtropical forest experiment. <i>Science</i> , <b>2018</b> , 362, 80-83	33.3	220
287	RAPD variation in relation to population size and plant fitness in the rare <i>Gentianella germanica</i> (Gentianaceae). <i>American Journal of Botany</i> , <b>1998</b> , 85, 811-819	2.7	211
286	Environmental factors affect Acidobacterial communities below the subgroup level in grassland and forest soils. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 7398-406	4.8	207
285	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , <b>2019</b> , 569, 404-408	50.4	203
284	Effects of population size on performance in the rare plant <i>Gentianella germanica</i> . <i>Journal of Ecology</i> , <b>1998</b> , 86, 195-204	6	192
283	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. <i>Basic and Applied Ecology</i> , <b>2017</b> , 23, 1-73	3.2	184
282	Community assembly during secondary forest succession in a Chinese subtropical forest. <i>Ecological Monographs</i> , <b>2011</b> , 81, 25-41	9	184
281	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 74-89	7.7	179
280	Climate-land-use interactions shape tropical mountain biodiversity and ecosystem functions. <i>Nature</i> , <b>2019</b> , 568, 88-92	50.4	173
279	Tradeoffs associated with constitutive and induced plant resistance against herbivory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 5685-9	11.5	168
278	United we stand, divided we fall: a meta-analysis of experiments on clonal integration and its relationship to invasiveness. <i>Oecologia</i> , <b>2013</b> , 171, 317-27	2.9	167
277	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
276	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> , <b>2011</b> , 108, 17034-9	11.5	162
275	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
274	Mating structure and inbreeding and outbreeding depression in the rare plant <i>Gentianella germanica</i> (Gentianaceae). <i>American Journal of Botany</i> , <b>1997</b> , 84, 1685-1692	2.7	150

273	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , <b>2017</b> , 20, 1414-1426	10	149
272	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2013</b> , 15, 281-291	3	143
271	Predictors of elevational biodiversity gradients change from single taxa to the multi-taxa community level. <i>Nature Communications</i> , <b>2016</b> , 7, 13736	17.4	141
270	ADAPTIVE EVOLUTION OF PLASTIC FORAGING RESPONSES IN A CLONAL PLANT. <i>Ecology</i> , <b>2001</b> , 82, 3309-3319	13.8	138
269	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 3557-62	11.5	134
268	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
267	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
266	Old cultural traditions, in addition to land use and topography, are shaping plant diversity of grasslands in the Alps. <i>Biological Conservation</i> , <b>2006</b> , 130, 438-446	6.2	130
265	Effects of ski piste preparation on alpine vegetation. <i>Journal of Applied Ecology</i> , <b>2005</b> , 42, 306-316	5.8	128
264	Plants with longer-lived seeds have lower local extinction rates in grassland remnants 1950-1985. <i>Oecologia</i> , <b>1999</b> , 120, 539-543	2.9	126
263	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
262	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , <b>2016</b> , 7, 11109	17.4	120
261	Higher plant diversity promotes higher diversity of fungal pathogens, while it decreases pathogen infection per plant. <i>Ecology</i> , <b>2014</b> , 95, 1907-17	4.6	109
260	Genetic isolation of fragmented populations is exacerbated by drift and selection. <i>Journal of Evolutionary Biology</i> , <b>2007</b> , 20, 534-42	2.3	109
259	Effect of low-intensity grazing on the species-rich vegetation of traditionally mown subalpine meadows. <i>Biological Conservation</i> , <b>2002</b> , 104, 1-11	6.2	109
258	Phylogenetic classification of the world's tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1837-1842	11.5	107
257	A multi-species experiment in their native range indicates pre-adaptation of invasive alien plant species. <i>New Phytologist</i> , <b>2010</b> , 185, 1087-99	9.8	106
256	Epigenetic diversity increases the productivity and stability of plant populations. <i>Nature Communications</i> , <b>2013</b> , 4, 2875	17.4	104

255	Intransitive competition is widespread in plant communities and maintains their species richness. <i>Ecology Letters</i> , <b>2015</b> , 18, 790-798	10	100
254	Multiple forest attributes underpin the supply of multiple ecosystem services. <i>Nature Communications</i> , <b>2018</b> , 9, 4839	17.4	99
253	Alien plant species with a wider global distribution are better able to capitalize on increased resource availability. <i>New Phytologist</i> , <b>2012</b> , 194, 859-867	9.8	94
252	Effects of intraspecific competition on size variation and reproductive allocation in a clonal plant. <i>Oikos</i> , <b>2001</b> , 94, 515-524	4	92
251	Environmental variability promotes plant invasion. <i>Nature Communications</i> , <b>2013</b> , 4, 1604	17.4	90
250	Effects of elevation and land use on the biomass of trees, shrubs and herbs at Mount Kilimanjaro. <i>Ecosphere</i> , <b>2015</b> , 6, art45-art45	3.1	90
249	A threefold genetic allee effect: population size affects cross-compatibility, inbreeding depression and drift load in the self-incompatible <i>Ranunculus reptans</i> . <i>Genetics</i> , <b>2005</b> , 169, 2255-65	4	90
248	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
247	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 44-49	12.3	85
246	Rapid decay of diversity-productivity relationships after invasion of experimental plant communities. <i>Basic and Applied Ecology</i> , <b>2004</b> , 5, 5-14	3.2	84
245	A comparison of the strength of biodiversity effects across multiple functions. <i>Oecologia</i> , <b>2013</b> , 173, 223-37	2.9	82
244	Local adaptation of the clonal plant <i>Ranunculus reptans</i> to flooding along a small-scale gradient. <i>Journal of Ecology</i> , <b>2004</b> , 92, 696-706	6	82
243	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
242	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
241	Clonal integration in <i>Ranunculus reptans</i> : by-product or adaptation?. <i>Journal of Evolutionary Biology</i> , <b>2000</b> , 13, 237-248	2.3	80
240	Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. <i>PLoS ONE</i> , <b>2010</b> , 5, e13382	3.7	79
239	Ecological rather than geographic or genetic distance affects local adaptation of the rare perennial herb, <i>Aster amellus</i> . <i>Biological Conservation</i> , <b>2007</b> , 139, 348-357	6.2	79
238	On the evolution of clonal plant life histories. <i>Evolutionary Ecology</i> , <b>2001</b> , 15, 565-582	1.8	79

237	Preadapted for invasiveness: do species traits or their plastic response to shading differ between invasive and non-invasive plant species in their native range?. <i>Journal of Biogeography</i> , <b>2011</b> , 38, 1294-1304	4.1	78
236	Common and rare plant species respond differently to fertilisation and competition, whether they are alien or native. <i>Ecology Letters</i> , <b>2012</b> , 15, 873-80	10	77
235	Agricultural Land Use and Biodiversity in the Alps. <i>Mountain Research and Development</i> , <b>2008</b> , 28, 148-155	4	75
234	Habitat fragmentation affects the common wetland specialist <i>Primula farinosa</i> in north-east Switzerland. <i>Journal of Ecology</i> , <b>2003</b> , 91, 587-599	6	75
233	Differences in soil fungal communities between European beech ( <i>Fagus sylvatica</i> L.) dominated forests are related to soil and understory vegetation. <i>PLoS ONE</i> , <b>2012</b> , 7, e47500	3.7	75
232	The effect of plant population size on the interactions between the rare plant <i>Gentiana cruciata</i> and its specialized herbivore <i>Maculinea rebeli</i> . <i>Journal of Ecology</i> , <b>2001</b> , 89, 418-427	6	74
231	Genetic rescue persists beyond first-generation outbreeding in small populations of a rare plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2357-64	4.4	72
230	Determinants of Acidobacteria activity inferred from the relative abundances of 16S rRNA transcripts in German grassland and forest soils. <i>Environmental Microbiology</i> , <b>2014</b> , 16, 658-75	5.2	70
229	Determinants of plant establishment success in a multispecies introduction experiment with native and alien species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 12727-32	11.5	69
228	The maximum relative growth rate of common UK plant species is positively associated with their global invasiveness. <i>Global Ecology and Biogeography</i> , <b>2011</b> , 20, 299-306	6.1	69
227	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems—study from SE China. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 111-127	1.7	68
226	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
225	Release from foliar and floral fungal pathogen species does not explain the geographic spread of naturalized North American plants in Europe. <i>Journal of Ecology</i> , <b>2009</b> , 97, 385-392	6	68
224	Plant traits affecting herbivory on tree recruits in highly diverse subtropical forests. <i>Ecology Letters</i> , <b>2012</b> , 15, 732-9	10	66
223	High land-use intensity exacerbates shifts in grassland vegetation composition after severe experimental drought. <i>Global Change Biology</i> , <b>2018</b> , 24, 2021-2034	11.4	65
222	Genetic rescue in interconnected populations of small and large size of the self-incompatible <i>Ranunculus reptans</i> . <i>Heredity</i> , <b>2005</b> , 95, 437-43	3.6	63
221	EXPERIMENTAL LIFE-HISTORY EVOLUTION: SELECTION ON THE ALLOCATION TO SEXUAL REPRODUCTION AND ITS PLASTICITY IN A CLONAL PLANT. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 2168-2177	3.8	62
220	The role of vegetative spread and seed dispersal for optimal life histories of clonal plants: a simulation study. <i>Evolutionary Ecology</i> , <b>2001</b> , 15, 281-301	1.8	62

219	Epigenetic variation in plant responses to defence hormones. <i>Annals of Botany</i> , <b>2012</b> , 110, 1423-8	4.1	61
218	Low genetic variation reduces cross-compatibility and offspring fitness in populations of a narrow endemic plant with a self-incompatibility system. <i>Conservation Genetics</i> , <b>2003</b> , 4, 325-336	2.6	61
217	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , <b>2016</b> , 7, e01619	3.1	60
216	Relations between forest management, stand structure and productivity across different types of Central European forests. <i>Basic and Applied Ecology</i> , <b>2018</b> , 32, 39-52	3.2	59
215	Introduction bias: Cultivated alien plant species germinate faster and more abundantly than native species in Switzerland. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 244-250	3.2	59
214	Local extinctions of the wetland specialist <i>Swertia perennis</i> L. (Gentianaceae) in Switzerland: a revisitation study based on herbarium records. <i>Biological Conservation</i> , <b>2002</b> , 103, 65-76	6.2	59
213	Genetic Allee effects on performance, plasticity and developmental stability in a clonal plant. <i>Ecology Letters</i> , <b>2000</b> , 3, 530-539	10	58
212	COSTS OF PLASTICITY IN FORAGING CHARACTERISTICS OF THE CLONAL PLANT <i>RANUNCULUS REPTANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1947-1955	3.8	57
211	The more the merrier: Multi-species experiments in ecology. <i>Basic and Applied Ecology</i> , <b>2014</b> , 15, 1-9	3.2	56
210	Niche differentiation between diploid and hexaploid <i>Aster amellus</i> . <i>Oecologia</i> , <b>2008</b> , 158, 463-72	2.9	56
209	Isozyme variability of the wetland specialist <i>Swertia perennis</i> (Gentianaceae) in relation to habitat size, isolation, and plant fitness. <i>American Journal of Botany</i> , <b>2002</b> , 89, 801-11	2.7	56
208	COSTS OF PLASTICITY IN FORAGING CHARACTERISTICS OF THE CLONAL PLANT <i>RANUNCULUS REPTANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1947	3.8	55
207	Invasive clonal plant species have a greater root-foraging plasticity than non-invasive ones. <i>Oecologia</i> , <b>2014</b> , 174, 1055-64	2.9	54
206	Soil fauna feeding activity in temperate grassland soils increases with legume and grass species richness. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 2200-2207	7.5	54
205	Adaptive rather than non-adaptive evolution of <i>Mimulus guttatus</i> in its invasive range. <i>Basic and Applied Ecology</i> , <b>2008</b> , 9, 213-223	3.2	54
204	Central European plant species from more productive habitats are more invasive at a global scale. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 64-72	6.1	53
203	The role of landuse and natural determinants for grassland vegetation composition in the Swiss Alps. <i>Basic and Applied Ecology</i> , <b>2008</b> , 9, 494-503	3.2	53
202	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

201	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
200	Developing European conservation and mitigation tools for pollination services: approaches of the STEP (Status and Trends of European Pollinators) project. <i>Journal of Apicultural Research</i> , <b>2011</b> , 50, 152-164	2	49
199	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28140-28149	11.5	49
198	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
197	Microsatellite variation and structure of 28 populations of the common wetland plant, <i>Lychnis flos-cuculi</i> L., in a fragmented landscape. <i>Molecular Ecology</i> , <b>2005</b> , 14, 991-1000	5.7	48
196	Hybridization increases invasive knotweed success. <i>Evolutionary Applications</i> , <b>2014</b> , 7, 413-20	4.8	47
195	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , <b>2018</b> , 21, 31-42	10	47
194	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
193	EXPERIMENTAL LIFE-HISTORY EVOLUTION: SELECTION ON THE ALLOCATION TO SEXUAL REPRODUCTION AND ITS PLASTICITY IN A CLONAL PLANT. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 2168	3.8	45
192	Understanding the evolutionary potential of epigenetic variation: a comparison of heritable phenotypic variation in epiRILs, RILs, and natural ecotypes of <i>Arabidopsis thaliana</i> . <i>Heredity</i> , <b>2018</b> , 121, 257-265	3.6	43
191	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
190	Habitat fragmentation and adaptation: a reciprocal replant/transpose experiment among 15 populations of <i>Lychnis flos-cuculi</i> . <i>Journal of Ecology</i> , <b>2008</b> , 96, 1056-1064	6	43
189	Predicting naturalization of southern African Iridaceae in other regions. <i>Journal of Applied Ecology</i> , <b>2007</b> , 44, 594-603	5.8	43
188	Dispersal and seed limitation affect diversity and productivity of montane grasslands. <i>Oikos</i> , <b>2008</b> , 117, 1469-1478	4	43
187	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
186	Experimental demography of the rare <i>Gentianella germanica</i> : seed bank formation and microsite effects on seedling establishment. <i>Ecography</i> , <b>1998</b> , 21, 269-278	6.5	42
185	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
184	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



183	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
182	An isozyme study of clone diversity and relative importance of sexual and vegetative recruitment in the grass <i>Brachypodium pinnatum</i> . <i>Ecography</i> , <b>1998</b> , 21, 351-360	6.5	38
181	Reproductive assurance through self-fertilization does not vary with population size in the alien invasive plant <i>Datura stramonium</i> . <i>Oikos</i> , <b>2007</b> , 116, 1400-1412	4	37
180	Demographic and genetic invasion history of a 9-year-old roadside population of <i>Bunias orientalis</i> L. (Brassicaceae). <i>Oecologia</i> , <b>1999</b> , 120, 225-234	2.9	37
179	Effects of structural heterogeneity on the diurnal temperature range in temperate forest ecosystems. <i>Forest Ecology and Management</i> , <b>2019</b> , 432, 860-867	3.9	37
178	Fern and bryophyte endozoochory by slugs. <i>Oecologia</i> , <b>2013</b> , 172, 817-22	2.9	36
177	Lichen endozoochory by snails. <i>PLoS ONE</i> , <b>2011</b> , 6, e18770	3.7	36
176	Effects of experimental inbreeding on herbivore resistance and plant fitness: the role of history of inbreeding, herbivory and abiotic factors. <i>Ecology Letters</i> , <b>2008</b> , 11, 1101-10	10	36
175	Progress in the detection of costs of phenotypic plasticity in plants. <i>New Phytologist</i> , <b>2007</b> , 176, 727-730	9.8	36
174	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
173	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , <b>2019</b> , 56, 733-744	5.8	35
172	Experimental plant communities develop phylogenetically overdispersed abundance distributions during assembly. <i>Ecology</i> , <b>2013</b> , 94, 465-77	4.6	34
171	On the relationship between plant species diversity and genetic diversity of <i>Plantago lanceolata</i> (Plantaginaceae) within and between grassland communities. <i>Journal of Plant Ecology</i> , <b>2010</b> , 3, 41-48	1.7	34
170	Experimental life-history evolution: selection on growth form and its plasticity in a clonal plant. <i>Journal of Evolutionary Biology</i> , <b>2004</b> , 17, 331-41	2.3	34
169	Microsatellite diversity of the agriculturally important alpine grass <i>Poa alpina</i> in relation to land use and natural environment. <i>Annals of Botany</i> , <b>2007</b> , 100, 1249-58	4.1	33
168	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
167	Opportunities for research on mountain biodiversity under global change. <i>Current Opinion in Environmental Sustainability</i> , <b>2017</b> , 29, 40-47	7.2	32
166	Toward a methodical framework for comprehensively assessing forest multifunctionality. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 10652-10674	2.8	32

165	The role of spatial scale and soil for local adaptation in <i>Inula hirta</i> . <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 152-160	3.2	32
164	Genetic structure of the annual weed <i>Senecio vulgaris</i> in relation to habitat type and population size. <i>Molecular Ecology</i> , <b>2001</b> , 10, 17-28	5.7	32
163	Plant and animal functional diversity drive mutualistic network assembly across an elevational gradient. <i>Nature Communications</i> , <b>2018</b> , 9, 3177	17.4	31
162	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
161	Experimental inbreeding reduces seed production and germination independent of fragmentation of populations of <i>Swertia perennis</i> . <i>Basic and Applied Ecology</i> , <b>2004</b> , 5, 43-52	3.2	31
160	Modelling the Competitiveness of Clonal Plants by Complementary Analytical and Simulation Approaches. <i>Oikos</i> , <b>1999</b> , 85, 217	4	31
159	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1485-1494	12.3	31
158	Plant soil feedback strength in relation to large-scale plant rarity and phylogenetic relatedness. <i>Ecology</i> , <b>2018</b> , 99, 597-606	4.6	30
157	Resource-mediated indirect effects of grassland management on arthropod diversity. <i>PLoS ONE</i> , <b>2014</b> , 9, e107033	3.7	30
156	Vertical and Horizontal Vegetation Structure across Natural and Modified Habitat Types at Mount Kilimanjaro. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138822	3.7	30
155	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1602-1611	12.3	30
154	Opposing intraspecific vs. interspecific diversity effects on herbivory and growth in subtropical experimental tree assemblages. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 242-251	1.7	29
153	Pollen quantity and quality affect fruit abortion in small populations of a rare fleshy-fruited shrub. <i>Basic and Applied Ecology</i> , <b>2002</b> , 3, 319-327	3.2	29
152	Effects of four generations of density-dependent selection on life history traits and their plasticity in a clonally propagated plant. <i>Journal of Evolutionary Biology</i> , <b>2003</b> , 16, 474-84	2.3	29
151	Radar vision in the mapping of forest biodiversity from space. <i>Nature Communications</i> , <b>2019</b> , 10, 4757	17.4	28
150	Plant community diversity and composition affect individual plant performance. <i>Oecologia</i> , <b>2010</b> , 164, 665-77	2.9	28
149	Transferring biodiversity-ecosystem function research to the management of 'real-world' ecosystems. <i>Advances in Ecological Research</i> , <b>2019</b> , 61, 323-356	4.6	27
148	Hide-and-seek in vegetation: time-to-detection is an efficient design for estimating detectability and occurrence. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 433-442	7.7	27

147	Enemy damage of exotic plant species is similar to that of natives and increases with productivity. <i>Journal of Ecology</i> , <b>2013</b> , 101, 388-399	6	27
146	Herbaceous plant species invading natural areas tend to have stronger adaptive root foraging than other naturalized species. <i>Frontiers in Plant Science</i> , <b>2015</b> , 6, 273	6.2	27
145	Grazing response patterns indicate isolation of semi-natural European grasslands. <i>Oikos</i> , <b>2014</b> , 123, 599-612	6.1	27
144	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
143	Plant-microbe-herbivore interactions in invasive and non-invasive alien plant species. <i>Functional Ecology</i> , <b>2013</b> , 27, 498-508	5.6	27
142	Responses of Rare Calcareous Grassland Plants to Elevated CO <sub>2</sub> : A Field Experiment with <i>Gentianella Germanica</i> and <i>Gentiana Cruciata</i> . <i>Journal of Ecology</i> , <b>1997</b> , 85, 681	6	27
141	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
140	Herbivore preference drives plant community composition. <i>Ecology</i> , <b>2015</b> , 96, 2923-34	4.6	26
139	Community mean traits as additional indicators to monitor effects of land-use intensity on grassland plant diversity. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2013</b> , 15, 1-11	3	25
138	Phylogenetic and functional traits of ectomycorrhizal assemblages in top soil from different biogeographic regions and forest types. <i>Mycorrhiza</i> , <b>2017</b> , 27, 233-245	3.9	24
137	Forest structure and composition of previously selectively logged and non-logged montane forests at Mt. Kilimanjaro. <i>Forest Ecology and Management</i> , <b>2015</b> , 337, 61-66	3.9	24
136	Species diversity and population density affect genetic structure and gene dispersal in a subtropical understory shrub. <i>Journal of Plant Ecology</i> , <b>2012</b> , 5, 270-278	1.7	24
135	Heterogeneity-diversity relationships differ between and within trophic levels in temperate forests. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 1204-1212	12.3	24
134	Ectomycorrhizal and saprotrophic soil fungal biomass are driven by different factors and vary among broadleaf and coniferous temperate forests. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 131, 9-18	7.5	23
133	Plant species diversity and composition of experimental grasslands affect genetic differentiation of <i>Lolium perenne</i> populations. <i>Molecular Ecology</i> , <b>2011</b> , 20, 2188-203	5.7	22
132	Selection on phenotypic plasticity of morphological traits in response to flooding and competition in the clonal shore plant <i>Ranunculus reptans</i> . <i>Journal of Evolutionary Biology</i> , <b>2007</b> , 20, 2126-37	2.3	22
131	PERFORMANCE OF <i>LYCHNIS FLOS-CUCULI</i> FROM FRAGMENTED POPULATIONS UNDER EXPERIMENTAL BIOTIC INTERACTIONS. <i>Ecology</i> , <b>2005</b> , 86, 1002-1011	4.6	22
130	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

129	The global abundance of tree palms. <i>Global Ecology and Biogeography</i> , <b>2020</b> , 29, 1495-1514	6.1	21
128	Effects of forest management on bryophyte communities on deadwood. <i>Nova Hedwigia</i> , <b>2015</b> , 100, 423-438		21
127	More efficient aboveground nitrogen use in more diverse Central European forest canopies. <i>Forest Ecology and Management</i> , <b>2014</b> , 313, 274-282	3.9	21
126	Plant-soil feedback in East-African savanna trees. <i>Ecology</i> , <b>2016</b> , 97, 294-301	4.6	20
125	Regional adaptation improves the performance of grassland plant communities. <i>Basic and Applied Ecology</i> , <b>2012</b> , 13, 551-559	3.2	20
124	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
123	Land-use effects on genetic structure of a common grassland herb: A matter of scale. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 440-448	3.2	20
122	Adaptation of <i>Poa alpina</i> to altitude and land use in the Swiss Alps. <i>Alpine Botany</i> , <b>2011</b> , 121, 91-105	2.5	20
121	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
120	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
119	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
118	The cobblers stick to their lasts: pollinators prefer native over alien plant species in a multi-species experiment. <i>Biological Invasions</i> , <b>2013</b> , 15, 2577-2588	2.7	19
117	Climate-neutral ecology conferences: just do it!. <i>Trends in Ecology and Evolution</i> , <b>2010</b> , 25, 61	10.9	19
116	Overview of past, current, and future ecosystem and biodiversity trends of inland saline lakes of Europe and Central Asia. <i>Inland Waters</i> , <b>2020</b> , 10, 438-452	2.4	19
115	Can multi-taxa diversity in European beech forest landscapes be increased by combining different management systems?. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 1363-1375	5.8	18
114	Support for the predictions of the pollinator-mediated stabilizing selection hypothesis. <i>Journal of Plant Ecology</i> , <b>2008</b> , 1, 173-178	1.7	18
113	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
112	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

111	Tree species, tree genotypes and tree genotypic diversity levels affect microbe-mediated soil ecosystem functions in a subtropical forest. <i>Scientific Reports</i> , <b>2016</b> , 6, 36672	4.9	16
110	Plant niche breadths along environmental gradients and their relationship to plant functional traits. <i>Diversity and Distributions</i> , <b>2018</b> , 24, 1869-1882	5	16
109	Differential responses of herbivores and herbivory to management in temperate European beech. <i>PLoS ONE</i> , <b>2014</b> , 9, e104876	3.7	16
108	Associations of forest type, parasitism and body condition of two European passerines, <i>Fringilla coelebs</i> and <i>Sylvia atricapilla</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e81395	3.7	16
107	Local and landscape-scale forest attributes differ in their impact on bird assemblages across years in forest production landscapes. <i>Basic and Applied Ecology</i> , <b>2011</b> , 12, 97-106	3.2	16
106	Temporal changes in randomness of bird communities across Central Europe. <i>PLoS ONE</i> , <b>2014</b> , 9, e112347	3.7	16
105	Simulating carbon stocks and fluxes of an African tropical montane forest with an individual-based forest model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123300	3.7	16
104	Africa's highest mountain harbours Africa's tallest trees. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 103-113	3.4	15
103	Species-specific effects of genetic diversity and species diversity of experimental communities on early tree performance. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 252-258	1.7	15
102	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
101	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
100	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
99	Little evidence for release from herbivores as a driver of plant invasiveness from a multi-species herbivore-removal experiment. <i>Oikos</i> , <b>2014</b> , 123, 1509-1518	4	15
98	Plant invasiveness is not linked to the capacity of regeneration from small fragments: an experimental test with 39 stoloniferous species. <i>Biological Invasions</i> , <b>2013</b> , 15, 1367-1376	2.7	15
97	Rapid transgenerational effects in <i>Knautia arvensis</i> in response to plant community diversity. <i>Journal of Ecology</i> , <b>2017</b> , 105, 714-725	6	15
96	Does land-use intensification decrease plant phylogenetic diversity in local grasslands?. <i>PLoS ONE</i> , <b>2014</b> , 9, e103252	3.7	15
95	Eleven years' data of grassland management in Germany. <i>Biodiversity Data Journal</i> , <b>2019</b> , 7, e36387	1.8	15
94	Experimental life-history evolution: selection on the allocation to sexual reproduction and its plasticity in a clonal plant. <i>Evolution; International Journal of Organic Evolution</i> , <b>2002</b> , 56, 2168-77	3.8	15

93	Non-naturalized alien plants receive fewer flower visits than naturalized and native plants in a Swiss botanical garden. <i>Biological Conservation</i> , <b>2015</b> , 182, 109-116	6.2	14
92	Mining microsatellite markers from public expressed sequence tags databases for the study of threatened plants. <i>BMC Genomics</i> , <b>2015</b> , 16, 781	4.5	14
91	Between-population outbreeding affects plant defence. <i>PLoS ONE</i> , <b>2010</b> , 5, e12614	3.7	14
90	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
89	Sensitivity of functional diversity metrics to sampling intensity. <i>Methods in Ecology and Evolution</i> , <b>2017</b> , 8, 1072-1080	7.7	13
88	Landscape-Scale Mixtures of Tree Species are More Effective than Stand-Scale Mixtures for Biodiversity of Vascular Plants, Bryophytes and Lichens. <i>Forests</i> , <b>2019</b> , 10, 73	2.8	13
87	Inbreeding alters activities of the stress-related enzymes chitinases and $\beta$ 1,3-glucanases. <i>PLoS ONE</i> , <b>2012</b> , 7, e42326	3.7	13
86	Experiment meets biogeography: plants of river corridor distribution are not more stress tolerant but benefit less from more benign conditions elsewhere. <i>Journal of Plant Ecology</i> , <b>2010</b> , 3, 149-155	1.7	13
85	Consequences of near and far between-population crosses for offspring fitness in a rare herb. <i>Plant Biology</i> , <b>2009</b> , 11, 829-36	3.7	13
84	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
83	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
82	Endozoochory by slugs can increase bryophyte establishment and species richness. <i>Oikos</i> , <b>2015</b> , 124, 331-336	4	12
81	Is fern endozoochory widespread among fern-eating herbivores?. <i>Plant Ecology</i> , <b>2016</b> , 217, 13-20	1.7	12
80	Effects of native pollinator specialization, self-compatibility and flowering duration of European plant species on their invasiveness elsewhere. <i>Journal of Ecology</i> , <b>2013</b> , 101, 916-923	6	12
79	Time course of plant diversity effects on <i>Centaurea jacea</i> establishment and the role of competition and herbivory. <i>Journal of Plant Ecology</i> , <b>2010</b> , 3, 109-121	1.7	12
78	Connecting experimental biodiversity research to real-world grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , <b>2018</b> , 33, 78-88	3	12
77	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
76	Variation in life-history traits and their plasticities to elevational transplantation among seed families suggests potential for adaptive evolution of 15 tropical plant species to climate change. <i>American Journal of Botany</i> , <b>2015</b> , 102, 1371-9	2.7	11

75	Rare species perform worse than widespread species under changed climate. <i>Biological Conservation</i> , <b>2020</b> , 246, 108586	6.2	11
74	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
73	EPIGENETICS OF COLONIZING SPECIES? A STUDY OF JAPANESE KNOTWEED IN CENTRAL EUROPE <b>2016</b> , 328-340		11
72	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
71	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
70	Nature and People in the Andes, East African Mountains, European Alps, and Hindu Kush Himalaya: Current Research and Future Directions. <i>Mountain Research and Development</i> , <b>2020</b> , 40,	1.4	11
69	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
68	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
67	Characterization of microsatellite loci in <i>Lychnis flos-cuculi</i> (Caryophyllaceae). <i>Molecular Ecology Notes</i> , <b>2002</b> , 2, 491-492		10
66	Three generations under low versus high neighborhood density affect the life history of a clonal plant through differential selection and genetic drift. <i>Oikos</i> , <b>2005</b> , 108, 573-581	4	10
65	Growth ring analysis of multiple dicotyledonous herb species: a novel community-wide approach. <i>Basic and Applied Ecology</i> , <b>2017</b> , 21, 23-33	3.2	9
64	Living in Heterogeneous Woodlands - Are Habitat Continuity or Quality Drivers of Genetic Variability in a Flightless Ground Beetle?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144217	3.7	9
63	Isolation and characterization of microsatellite DNA markers in the grass <i>Poa alpina</i> L.. <i>Molecular Ecology Notes</i> , <b>2005</b> , 5, 719-720		9
62	Gastropods slow down succession and maintain diversity in cryptogam communities. <i>Ecology</i> , <b>2016</b> , 97, 2184-2191	4.6	9
61	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
60	And the winner is $\pi$ ! 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
59	Increase in CO concentration could alter the response of to climate change. <i>Ecology and Evolution</i> , <b>2018</b> , 8, 8598-8606	2.8	7
58	Invasive knotweed has greater nitrogen-use efficiency than native plants: evidence from a N pulse-chasing experiment. <i>Oecologia</i> , <b>2019</b> , 191, 389-396	2.9	7

57	Heritability of early growth traits and their plasticity in 14 woody species of Chinese subtropical forest. <i>Journal of Plant Ecology</i> , <b>2017</b> , 10, 222-231	1.7	7
56	Experimental establishment of a declining dry-grassland flagship species in relation to seed origin and target environment. <i>Biological Conservation</i> , <b>2010</b> , 143, 1202-1211	6.2	7
55	Plant evolutionary assembly along elevational belts at Mt. Kilimanjaro: Using phylogenetics to assess biodiversity threats under climate change. <i>Environmental and Experimental Botany</i> , <b>2020</b> , 170, 103853	5.9	7
54	Phenological shifts and flower visitation of 185 lowland and alpine species in a lowland botanical garden. <i>Alpine Botany</i> , <b>2018</b> , 128, 23-33	2.5	6
53	Intra- and interspecific tree diversity promotes multitrophic plant-Hemiptera-ant interactions in a forest diversity experiment. <i>Basic and Applied Ecology</i> , <b>2018</b> , 29, 89-97	3.2	6
52	Biotic resistance to plant invasion in grassland: Does seed predation increase with resident plant diversity?. <i>Basic and Applied Ecology</i> , <b>2014</b> , 15, 133-141	3.2	6
51	Omnipresence of leaf herbivory by invertebrates and leaf infection by fungal pathogens in agriculturally used grasslands of the Swiss Alps, but low plant damage. <i>Alpine Botany</i> , <b>2012</b> , 122, 95-107	2.5	6
50	Effects of Inbreeding, Outbreeding, and Supplemental Pollen on the Reproduction of a Hummingbird-pollinated Clonal Amazonian Herb. <i>Biotropica</i> , <b>2011</b> , 43, 183-191	2.3	6
49	Exploratories for Large-Scale and Long-Term Functional Biodiversity Research <b>2010</b> , 429-443		6
48	Mountain Biodiversity Is Central to Sustainable Development in Mountains and Beyond. <i>One Earth</i> , <b>2020</b> , 3, 530-533	8.1	6
47	Effects of fertilization and irrigation on vascular plant species richness, functional composition and yield in mountain grasslands. <i>Journal of Environmental Management</i> , <b>2021</b> , 279, 111629	7.9	6
46	Usable wild plant species in relation to elevation and land use at Mount Kilimanjaro, Tanzania. <i>Alpine Botany</i> , <b>2017</b> , 127, 145-154	2.5	5
45	Does plant diversity affect the water balance of established grassland systems?. <i>Ecohydrology</i> , <b>2018</b> , 11, e1945	2.5	5
44	Genetic diversity and differentiation follow secondary succession in a multi-species study on woody plants from subtropical China. <i>Journal of Plant Ecology</i> , <b>2016</b> , rtw054	1.7	5
43	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
42	Biotic interactions, community assembly, and eco-evolutionary dynamics as drivers of long-term biodiversity-ecosystem functioning relationships. <i>Research Ideas and Outcomes</i> , <b>2015</b> , 4, e11522	2.5	5
41	The importance of genetic diversity for the translocation of eight threatened plant species into the wild. <i>Global Ecology and Conservation</i> , <b>2020</b> , 24, e01240	2.8	5
40	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



39	Fagus sylvatica seedlings show provenance differentiation rather than adaptation to soil in a transplant experiment. <i>BMC Ecology</i> , <b>2018</b> , 18, 42	2.7	5
38	National Forest Inventories capture the multifunctionality of managed forests in Germany. <i>Forest Ecosystems</i> , <b>2021</b> , 8,	3.8	5
37	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> , <b>2019</b> , 128, 1182-1193	4	4
36	Context dependency of biotic interactions and its relation to plant rarity. <i>Diversity and Distributions</i> , <b>2020</b> , 26, 758-768	5	4
35	Two closely related species differ in their regional genetic differentiation despite admixing. <i>AoB PLANTS</i> , <b>2018</b> , 10, ply007	2.9	4
34	Elevational transplantation suggests different responses of African submontane and savanna plants to climate warming. <i>Journal of Ecology</i> , <b>2018</b> , 106, 296-305	6	4
33	Exclusion of large herbivores affects understory 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
32	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
31	The Evolution of Ecological Diversity in .. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 715637	5.7	4
30	Effects of topography, neighboring plants and size-dependence of <i>Machillus thunbergii</i> on sapling growth and survivorship. <i>Biodiversity Science</i> , <b>2013</b> , 21, 269-277	1.3	4
29	Insights from regional and short-term biodiversity monitoring datasets are valuable: a reply to Daskalova et al. 2021. <i>Insect Conservation and Diversity</i> , <b>2021</b> , 14, 144-148	3.8	4
28	Globally, plant-soil feedbacks are weak predictors of plant abundance. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 1756-1768	2.8	4
27	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
26	Inferring competitive outcomes, ranks and intransitivity from empirical data: A comparison of different methods. <i>Methods in Ecology and Evolution</i> , <b>2020</b> , 11, 117-128	7.7	3
25	Connecting plant evolutionary history and human well-being at Mt. Kilimanjaro, Tanzania. <i>Botanical Journal of the Linnean Society</i> , <b>2020</b> , 194, 397-409	2.2	3
24	Dispersal ability, trophic position and body size mediate species turnover processes: Insights from a multi-taxa and multi-scale approach. <i>Diversity and Distributions</i> , <b>2021</b> , 27, 439-453	5	3
23	Genetic differentiation, phenotypic plasticity and adaptation in a hybridizing pair of a more common and a less common <i>Carex</i> species. <i>Alpine Botany</i> , <b>2018</b> , 128, 149-167	2.5	3
22	Despite admixing two closely related <i>Carex</i> species differ in their regional morphological differentiation. <i>Plant Systematics and Evolution</i> , <b>2017</b> , 303, 901-914	1.3	2

21	Simulating the evolution of a clonal trait in plants with sexual and vegetative reproduction. <i>Journal of Plant Ecology</i> , <b>2008</b> , 1, 161-171	1.7	2
20	Plant traits are poor predictors of long-term ecosystem functioning		2
19	Nationwide revisitation reveals thousands of local extinctions across the ranges of 713 threatened and rare plant species. <i>Conservation Letters</i> , <b>2020</b> , 13, e12749	6.9	2
18	Plant diversity effects on plant longevity and their relationships to population stability in experimental grasslands. <i>Journal of Ecology</i> , <b>2021</b> , 109, 2566-2579	6	2
17	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
16	Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 1582-1593	12.3	2
15	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
14	Disentangling the fundamental branching patterns of phylogenetic divergence to refine eco-phylogenetic analyses. <i>Journal of Biogeography</i> , <b>2019</b> , 46, 2722-2734	4.1	1
13	Negative Effects of Conspecific Floral Density on Fruit Set of Two Neotropical Understory Plants. <i>Biotropica</i> , <b>2013</b> , 45, 325-332	2.3	1
12	Special feature: Plant population biology in a multidisciplinary context. <i>Basic and Applied Ecology</i> , <b>2003</b> , 4, 285-286	3.2	1
11	Assessing the impact of grassland management on landscape multifunctionality. <i>Ecosystem Services</i> , <b>2021</b> , 52, 101366	6.1	1
10	The results of biodiversity-ecosystem functioning experiments are realistic		1
9	On the evolution of clonal plant life histories <b>2002</b> , 343-360		1
8	Strong positive biodiversity-productivity relationships in a subtropical forest experiment		1
7	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
6	Among stand heterogeneity is key for biodiversity in managed beech forests but does not question the value of unmanaged forests: Response to Bruun and Heilmann-Clausen (2021). <i>Journal of Applied Ecology</i> , <b>2021</b> , 58, 1817-1826	5.8	1
5	A new approach to study local adaptation in long-lived woody species: Virtual transplant experiments. <i>Methods in Ecology and Evolution</i> , <b>2019</b> , 10, 1761-1772	7.7	0
4	Present and historical landscape structure shapes current species richness in Central European grasslands. <i>Landscape Ecology</i> , <b>2022</b> , 37, 745	4.3	0

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