Markus Fischer

List of Publications by Year in Descending Order

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	Present and historical landscape structure shapes current species richness in Central European grasslands. *Landscape Ecology*, **2022**, 37, 745	4.3	0
307	The Evolution of Ecological Diversity in .. *Frontiers in Microbiology*, **2022**, 13, 715637	5.7	4
306	Potential of Airborne LiDAR Derived Vegetation Structure for the Prediction of Animal Species Richness at Mount Kilimanjaro. *Remote Sensing*, **2022**, 14, 786	5	
305	A hierarchical inventory of the world's mountains for global comparative mountain science.. *Scientific Data*, **2022**, 9, 149	8.2	0
304	Area modulates the effect of elevation but not of land use or canopy on tropical plant species richness. *Biodiversity and Conservation*, **2021**, 30, 4265	3.4	
303	Assessing the impact of grassland management on landscape multifunctionality. *Ecosystem Services* , **2021**, 52, 101366	6.1	1
302	Plant diversity effects on plant longevity and their relationships to population stability in experimental grasslands. *Journal of Ecology*, **2021**, 109, 2566-2579	6	2
301	Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. *Nature Communications*, **2021**, 12, 3918	17.4	13
300	Land-use intensity and biodiversity effects on infiltration capacity and hydraulic conductivity of grassland soils in southern Germany. *Ecohydrology*, **2021**, 14, e2301	2.5	1
299	Effects of fertilization and irrigation on vascular plant species richness, functional composition and yield in mountain grasslands. *Journal of Environmental Management*, **2021**, 279, 111629	7.9	6
298	Dispersal ability, trophic position and body size mediate species turnover processes: Insights from a multi-taxa and multi-scale approach. *Diversity and Distributions*, **2021**, 27, 439-453	5	3
297	Insights from regional and short-term biodiversity monitoring datasets are valuable: a reply to Daskalova et al. 2021. *Insect Conservation and Diversity*, **2021**, 14, 144-148	3.8	4
296	Globally, plant-soil feedbacks are weak predictors of plant abundance. *Ecology and Evolution*, **2021**, 11, 1756-1768	2.8	4
295	Direct and Indirect Effects of Management Intensity and Environmental Factors on the Functional Diversity of Lichens in Central European Forests. *Microorganisms*, **2021**, 9,	4.9	2
294	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). *Journal of Applied Ecology*, **2021**, 58, 1817-1826	5.8	1
293	Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. *Nature Ecology and Evolution*, **2021**, 5, 1582-1593	12.3	2
292	National Forest Inventories capture the multifunctionality of managed forests in Germany. *Forest Ecosystems*, **2021**, 8,	3.8	5

291	Context dependency of biotic interactions and its relation to plant rarity. *Diversity and Distributions*, **2020**, 26, 758-768	5	4
290	Comparing experimental and field-measured traits and their variability in Central European grassland species. *Journal of Vegetation Science*, **2020**, 31, 561-570	3.1	1
289	The global abundance of tree palms. *Global Ecology and Biogeography*, **2020**, 29, 1495-1514	6.1	21
288	Rare species perform worse than widespread species under changed climate. *Biological Conservation*, **2020**, 246, 108586	6.2	11
287	Can multi-taxa diversity in European beech forest landscapes be increased by combining different management systems?. *Journal of Applied Ecology*, **2020**, 57, 1363-1375	5.8	18
286	Nature and People in the Andes, East African Mountains, European Alps, and Hindu Kush Himalaya: Current Research and Future Directions. *Mountain Research and Development*, **2020**, 40,	1.4	11
285	Inferring competitive outcomes, ranks and intransitivity from empirical data: A comparison of different methods. *Methods in Ecology and Evolution*, **2020**, 11, 117-128	7.7	3
284	The importance of genetic diversity for the translocation of eight threatened plant species into the wild. *Global Ecology and Conservation*, **2020**, 24, e01240	2.8	5
283	Land-use intensity alters networks between biodiversity, ecosystem functions, and services. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 28140-28149	11.5	49
282	Nationwide revisitation reveals thousands of local extinctions across the ranges of 713 threatened and rare plant species. *Conservation Letters*, **2020**, 13, e12749	6.9	2
281	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. *Nature Ecology and Evolution*, **2020**, 4, 1602-1611	12.3	30
280	Heterogeneity-diversity relationships differ between and within trophic levels in temperate forests. *Nature Ecology and Evolution*, **2020**, 4, 1204-1212	12.3	24
279	Mountain Biodiversity Is Central to Sustainable Development in Mountains and Beyond. *One Earth*, **2020**, 3, 530-533	8.1	6
278	Connecting plant evolutionary history and human well-being at Mt. Kilimanjaro, Tanzania. *Botanical Journal of the Linnean Society*, **2020**, 194, 397-409	2.2	3
277	The results of biodiversity-ecosystem functioning experiments are realistic. *Nature Ecology and Evolution*, **2020**, 4, 1485-1494	12.3	31
276	Overview of past, current, and future ecosystem and biodiversity trends of inland saline lakes of Europe and Central Asia. *Inland Waters*, **2020**, 10, 438-452	2.4	19
275	Unraveling spatiotemporal variability of arbuscular mycorrhizal fungi in a temperate grassland plot. *Environmental Microbiology*, **2020**, 22, 873-888	5.2	13
274	Plant evolutionary assembly along elevational belts at Mt. Kilimanjaro: Using phylogenetics to asses biodiversity threats under climate change. *Environmental and Experimental Botany*, **2020**, 170, 103853	5.9	7

273	Landscape-Scale Mixtures of Tree Species are More Effective than Stand-Scale Mixtures for Biodiversity of Vascular Plants, Bryophytes and Lichens. *Forests*, **2019**, 10, 73	2.8	13
272	Recovery of ecosystem functions after experimental disturbance in 73 grasslands differing in land-use intensity, plant species richness and community composition. *Journal of Ecology*, **2019**, 107, 2635-2649	6	10
271	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature*, **2019**, 569, 404-408	50.4	203
270	Will I stay or will I go? Plant species-specific response and tolerance to high land-use intensity in temperate grassland ecosystems. *Journal of Vegetation Science*, **2019**, 30, 674-686	3.1	21
269	Increasing plant diversity of experimental grasslands alters the age and growth of Plantago lanceolata from younger and faster to older and slower. *Oikos*, **2019**, 128, 1182-1193	4	4
268	Climate-land-use interactions shape tropical mountain biodiversity and ecosystem functions. *Nature*, **2019**, 568, 88-92	50.4	173
267	Plant functional trait shifts explain concurrent changes in the structure and function of grassland soil microbial communities. *Journal of Ecology*, **2019**, 107, 2197-2210	6	35
266	Towards the development of general rules describing landscape heterogeneity–multifunctionality relationships. *Journal of Applied Ecology*, **2019**, 56, 168-179	5.8	26
265	Disentangling the fundamental branching patterns of phylogenetic divergence to refine eco-phylogenetic analyses. *Journal of Biogeography*, **2019**, 46, 2722-2734	4.1	1
264	Invasive knotweed has greater nitrogen-use efficiency than native plants: evidence from a N pulse-chasing experiment. *Oecologia*, **2019**, 191, 389-396	2.9	7
263	Exclusion of large herbivores affects understorey shrub vegetation more than herb vegetation across 147 forest sites in three German regions. *PLoS ONE*, **2019**, 14, e0218741	3.7	4
262	A new approach to study local adaptation in long-lived woody species: Virtual transplant experiments. *Methods in Ecology and Evolution*, **2019**, 10, 1761-1772	7.7	0
261	Transferring biodiversity-ecosystem function research to the management of 'real-world' ecosystems. *Advances in Ecological Research*, **2019**, 61, 323-356	4.6	27
260	Radar vision in the mapping of forest biodiversity from space. *Nature Communications*, **2019**, 10, 4757	17.4	28
259	Eleven years' data of grassland management in Germany. *Biodiversity Data Journal*, **2019**, 7, e36387	1.8	15
258	Arthropod decline in grasslands and forests is associated with landscape-level drivers. *Nature*, **2019**, 574, 671-674	50.4	372
257	Ectomycorrhizal and saprotrophic soil fungal biomass are driven by different factors and vary among broadleaf and coniferous temperate forests. *Soil Biology and Biochemistry*, **2019**, 131, 9-18	7.5	23
256	Identifying the tree species compositions that maximize ecosystem functioning in European forests. *Journal of Applied Ecology*, **2019**, 56, 733-744	5.8	35

255	Specialisation and diversity of multiple trophic groups are promoted by different forest features. *Ecology Letters*, **2019**, 22, 170-180	10	49
254	Effects of structural heterogeneity on the diurnal temperature range in temperate forest ecosystems. *Forest Ecology and Management*, **2019**, 432, 860-867	3.9	37
253	Effects of forest management on bryophyte species richness in Central European forests. *Forest Ecology and Management*, **2019**, 432, 850-859	3.9	17
252	Two closely related species differ in their regional genetic differentiation despite admixing. *AoB PLANTS*, **2018**, 10, ply007	2.9	4
251	Plant soil feedback strength in relation to large-scale plant rarity and phylogenetic relatedness. *Ecology*, **2018**, 99, 597-606	4.6	30
250	Relations between forest management, stand structure and productivity across different types of Central European forests. *Basic and Applied Ecology*, **2018**, 32, 39-52	3.2	59
249	Hemiparasite-density effects on grassland plant diversity, composition and biomass. *Perspectives in Plant Ecology, Evolution and Systematics*, **2018**, 32, 22-29	3	11
248	Redefining ecosystem multifunctionality. *Nature Ecology and Evolution*, **2018**, 2, 427-436	12.3	241
247	Phylogenetic classification of the world's tropical forests. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1837-1842	11.5	107
246	Does plant diversity affect the water balance of established grassland systems?. *Ecohydrology*, **2018**, 11, e1945	2.5	5
245	Phenological shifts and flower visitation of 185 lowland and alpine species in a lowland botanical garden. *Alpine Botany*, **2018**, 128, 23-33	2.5	6
244	Effects of mowing, grazing and fertilization on soil seed banks in temperate grasslands in Central Europe. *Agriculture, Ecosystems and Environment*, **2018**, 256, 211-217	5.7	15
243	High land-use intensity exacerbates shifts in grassland vegetation composition after severe experimental drought. *Global Change Biology*, **2018**, 24, 2021-2034	11.4	65
242	And the winner is ! A test of simple predictors of plant species richness in agricultural grasslands. *Ecological Indicators*, **2018**, 87, 296-301	5.8	8
241	Intra- and interspecific tree diversity promotes multitrophic plant–hemipteran interactions in a forest diversity experiment. *Basic and Applied Ecology*, **2018**, 29, 89-97	3.2	6
240	Land use intensity, rather than plant species richness, affects the leaching risk of multiple nutrients from permanent grasslands. *Global Change Biology*, **2018**, 24, 2828-2840	11.4	15
239	Elevational transplantation suggests different responses of African submontane and savanna plants to climate warming. *Journal of Ecology*, **2018**, 106, 296-305	6	4
238	Contribution of the soil seed bank to the restoration of temperate grasslands by mechanical sward disturbance. *Restoration Ecology*, **2018**, 26, S114-S122	3.1	19

237	Increase in CO concentration could alter the response of to climate change. *Ecology and Evolution*, **2018**, 8, 8598-8606	2.8	7
236	Direct and indirect effects of land use on bryophytes in grasslands. *Science of the Total Environment* , **2018**, 644, 60-67	10.2	15
235	Plant niche breadths along environmental gradients and their relationship to plant functional traits. *Diversity and Distributions*, **2018**, 24, 1869-1882	5	16
234	Plant and animal functional diversity drive mutualistic network assembly across an elevational gradient. *Nature Communications*, **2018**, 9, 3177	17.4	31
233	Understanding the evolutionary potential of epigenetic variation: a comparison of heritable phenotypic variation in epiRILs, RILs, and natural ecotypes of Arabidopsis thaliana. *Heredity*, **2018**, 121, 257-265	3.6	43
232	Connecting experimental biodiversity research to real-world grasslands. *Perspectives in Plant Ecology, Evolution and Systematics*, **2018**, 33, 78-88	3	12
231	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. *Nature Ecology and Evolution*, **2018**, 2, 44-49	12.3	85
230	The role of soil chemical properties, land use and plant diversity for microbial phosphorus in forest and grassland soils. *Journal of Plant Nutrition and Soil Science*, **2018**, 181, 185-197	2.3	9
229	Nutrient stoichiometry and land use rather than species richness determine plant functional diversity. *Ecology and Evolution*, **2018**, 8, 601-616	2.8	14
228	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. *Ecology Letters*, **2018**, 21, 31-42	10	47
227	The impact of even-aged and uneven-aged forest management on regional biodiversity of multiple taxa in European beech forests. *Journal of Applied Ecology*, **2018**, 55, 267-278	5.8	125
226	Multiple forest attributes underpin the supply of multiple ecosystem services. *Nature Communications*, **2018**, 9, 4839	17.4	99
225	Impacts of species richness on productivity in a large-scale subtropical forest experiment. *Science*, **2018**, 362, 80-83	33.3	220
224	Fagus sylvatica seedlings show provenance differentiation rather than adaptation to soil in a transplant experiment. *BMC Ecology*, **2018**, 18, 42	2.7	5
223	Genetic differentiation, phenotypic plasticity and adaptation in a hybridizing pair of a more common and a less common Carex species. *Alpine Botany*, **2018**, 128, 149-167	2.5	3
222	Sensitivity of functional diversity metrics to sampling intensity. *Methods in Ecology and Evolution*, **2017**, 8, 1072-1080	7.7	13
221	Despite admixing two closely related Carex species differ in their regional morphological differentiation. *Plant Systematics and Evolution*, **2017**, 303, 901-914	1.3	2
220	Phylogenetic and functional traits of ectomycorrhizal assemblages in top soil from different biogeographic regions and forest types. *Mycorrhiza*, **2017**, 27, 233-245	3.9	24

219	Africa's highest mountain harbours Africa's tallest trees. *Biodiversity and Conservation*, **2017**, 26, 103-113	3.4	15
218	Growth ring analysis of multiple dicotyledonous herb species: A novel community-wide approach. *Basic and Applied Ecology*, **2017**, 21, 23-33	3.2	9
217	Usable wild plant species in relation to elevation and land use at Mount Kilimanjaro, Tanzania. *Alpine Botany*, **2017**, 127, 145-154	2.5	5
216	On the combined effect of soil fertility and topography on tree growth in subtropical forest ecosystems: study from SE China. *Journal of Plant Ecology*, **2017**, 10, 111-127	1.7	68
215	Opposing intraspecific vs. interspecific diversity effects on herbivory and growth in subtropical experimental tree assemblages. *Journal of Plant Ecology*, **2017**, 10, 242-251	1.7	29
214	Species-specific effects of genetic diversity and species diversity of experimental communities on early tree performance. *Journal of Plant Ecology*, **2017**, 10, 252-258	1.7	15
213	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. *Ecology Letters*, **2017**, 20, 1414-1426	10	149
212	Opportunities for research on mountain biodiversity under global change. *Current Opinion in Environmental Sustainability*, **2017**, 29, 40-47	7.2	32
211	Toward a methodical framework for comprehensively assessing forest multifunctionality. *Ecology and Evolution*, **2017**, 7, 10652-10674	2.8	32
210	Heritability of early growth traits and their plasticity in 14 woody species of Chinese subtropical forest. *Journal of Plant Ecology*, **2017**, 10, 222-231	1.7	7
209	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. *Basic and Applied Ecology*, **2017**, 23, 1-73	3.2	184
208	Rapid transgenerational effects in Knautia arvensis in response to plant community diversity. *Journal of Ecology*, **2017**, 105, 714-725	6	15
207	No evidence for larger leaf trait plasticity in ecological generalists compared to specialists. *Journal of Biogeography*, **2017**, 44, 511-521	4.1	10
206	EPIGENETICS OF COLONIZING SPECIES? A STUDY OF JAPANESE KNOTWEED IN CENTRAL EUROPE **2016**, 328-340		11
205	Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. *Nature*, **2016**, 536, 456-9	50.4	345
204	Genetic diversity and differentiation follow secondary succession in a multi-species study on woody plants from subtropical China. *Journal of Plant Ecology*, **2016**, rtw054	1.7	5
203	Positive biodiversity-productivity relationship predominant in global forests. *Science*, **2016**, 354,	33.3	593
202	Tree species, tree genotypes and tree genotypic diversity levels affect microbe-mediated soil ecosystem functions in a subtropical forest. *Scientific Reports*, **2016**, 6, 36672	4.9	16

201	Transgenerational effects of land use on offspring performance and growth in Trifolium repens. *Oecologia*, **2016**, 180, 409-20	2.9	3
200	Enriching plant diversity in grasslands by large-scale experimental sward disturbance and seed addition along gradients of land-use intensity. *Journal of Plant Ecology*, **2016**, rtw062	1.7	5
199	Lichen species richness is highest in non-intensively used grasslands promoting suitable microhabitats and low vascular plant competition. *Biodiversity and Conservation*, **2016**, 25, 225-238	3.4	19
198	Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. *Nature Communications*, **2016**, 7, 10697	17.4	80
197	Is fern endozoochory widespread among fern-eating herbivores?. *Plant Ecology*, **2016**, 217, 13-20	1.7	12
196	Biotic homogenization can decrease landscape-scale forest multifunctionality. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3557-62	11.5	134
195	Plant-soil feedback in East-African savanna trees. *Ecology*, **2016**, 97, 294-301	4.6	20
194	Plant diversity moderates drought stress in grasslands: Implications from a large real-world study on (13)C natural abundances. *Science of the Total Environment*, **2016**, 566-567, 215-222	10.2	20
193	Phenotypic plasticity is a negative, though weak, predictor of the commonness of 105 grassland species. *Global Ecology and Biogeography*, **2016**, 25, 464-474	6.1	12
192	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. *Nature Communications*, **2016**, 7, 11109	17.4	120
191	Land-use intensification causes multitrophic homogenization of grassland communities. *Nature*, **2016**, 540, 266-269	50.4	236
190	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. *Ecosphere*, **2016**, 7, e01619	3.1	60
189	Predictors of elevational biodiversity gradients change from single taxa to the multi-taxa community level. *Nature Communications*, **2016**, 7, 13736	17.4	141
188	Genetic composition, genetic diversity and small-scale environmental variation matter for the experimental reintroduction of a rare plant. *Journal of Plant Ecology*, **2016**, 9, 805-813	1.7	5
187	Locally rare species influence grassland ecosystem multifunctionality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	88
186	Gastropods slow down succession and maintain diversity in cryptogam communities. *Ecology*, **2016**, 97, 2184-2191	4.6	9
185	Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. *Ecology*, **2015**, 96, 1492-1501	4.6	52
184	Variation in life-history traits and their plasticities to elevational transplantation among seed families suggests potential for adaptative evolution of 15 tropical plant species to climate change. *American Journal of Botany*, **2015**, 102, 1371-9	2.7	11

183	Mapping tree density at a global scale. *Nature*, **2015**, 525, 201-5	50.4	402
182	Non-naturalized alien plants receive fewer flower visits than naturalized and native plants in a Swiss botanical garden. *Biological Conservation*, **2015**, 182, 109-116	6.2	14
181	Forest structure and composition of previously selectively logged and non-logged montane forests at Mt. Kilimanjaro. *Forest Ecology and Management*, **2015**, 337, 61-66	3.9	24
180	Endozoochory by slugs can increase bryophyte establishment and species richness. *Oikos*, **2015**, 124, 331-336	4	12
179	Effects of elevation and land use on the biomass of trees, shrubs and herbs at Mount Kilimanjaro. *Ecosphere*, **2015**, 6, art45-art45	3.1	90
178	Effects of forest management on bryophyte communities on deadwood. *Nova Hedwigia*, **2015**, 100, 423-438	1.3	21
177	Mining microsatellite markers from public expressed sequence tags databases for the study of threatened plants. *BMC Genomics*, **2015**, 16, 781	4.5	14
176	Intransitive competition is widespread in plant communities and maintains their species richness. *Ecology Letters*, **2015**, 18, 790-798	10	100
175	Living in Heterogeneous Woodlands - Are Habitat Continuity or Quality Drivers of Genetic Variability in a Flightless Ground Beetle?. *PLoS ONE*, **2015**, 10, e0144217	3.7	9
174	Herbaceous plant species invading natural areas tend to have stronger adaptive root foraging than other naturalized species. *Frontiers in Plant Science*, **2015**, 6, 273	6.2	27
173	Herbivore preference drives plant community composition. *Ecology*, **2015**, 96, 2923-34	4.6	26
172	Land use intensification alters ecosystem multifunctionality via loss of biodiversity and changes to functional composition. *Ecology Letters*, **2015**, 18, 834-843	10	360
171	The IPBES Conceptual Framework—connecting nature and people. *Current Opinion in Environmental Sustainability*, **2015**, 14, 1-16	7.2	1191
170	To eat or not to eat—relationship of lichen herbivory by snails with secondary compounds and field frequency of lichens. *Journal of Plant Ecology*, **2015**, rtv005	1.7	4
169	Simulating carbon stocks and fluxes of an African tropical montane forest with an individual-based forest model. *PLoS ONE*, **2015**, 10, e0123300	3.7	16
168	Vertical and Horizontal Vegetation Structure across Natural and Modified Habitat Types at Mount Kilimanjaro. *PLoS ONE*, **2015**, 10, e0138822	3.7	30
167	Invasive clonal plant species have a greater root-foraging plasticity than non-invasive ones. *Oecologia*, **2014**, 174, 1055-64	2.9	54
166	The more the merrier: Multi-species experiments in ecology. *Basic and Applied Ecology*, **2014**, 15, 1-9	3.2	56

165	Hide-and-seek in vegetation: time-to-detection is an efficient design for estimating detectability and occurrence. *Methods in Ecology and Evolution*, **2014**, 5, 433-442	7.7	27
164	Little evidence for release from herbivores as a driver of plant invasiveness from a multi-species herbivore-removal experiment. *Oikos*, **2014**, 123, 1509-1518	4	15
163	Influence of experimental soil disturbances on the diversity of plants in agricultural grasslands. *Journal of Plant Ecology*, **2014**, 7, 509-517	1.7	11
162	Effects of forest management on ground-dwelling beetles (Coleoptera; Carabidae , Staphylinidae) in Central Europe are mainly mediated by changes in forest structure. *Forest Ecology and Management*, **2014**, 329, 166-176	3.9	68
161	Choosing and using diversity indices: insights for ecological applications from the German Biodiversity Exploratories. *Ecology and Evolution*, **2014**, 4, 3514-24	2.8	451
160	Biotic resistance to plant invasion in grassland: Does seed predation increase with resident plant diversity?. *Basic and Applied Ecology*, **2014**, 15, 133-141	3.2	6
159	Differential responses of herbivores and herbivory to management in temperate European beech. *PLoS ONE*, **2014**, 9, e104876	3.7	16
158	Designing forest biodiversity experiments: general considerations illustrated by a new large experiment in subtropical China. *Methods in Ecology and Evolution*, **2014**, 5, 74-89	7.7	179
157	Interannual variation in land-use intensity enhances grassland multidiversity. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 308-13	11.5	166
156	Higher plant diversity promotes higher diversity of fungal pathogens, while it decreases pathogen infection per plant. *Ecology*, **2014**, 95, 1907-17	4.6	109
155	Grazing response patterns indicate isolation of semi-natural European grasslands. *Oikos*, **2014**, 123, 599-612	4	27
154	Evidence from the real world: 15N natural abundances reveal enhanced nitrogen use at high plant diversity in Central European grasslands. *Journal of Ecology*, **2014**, 102, 456-465	6	42
153	Hybridization increases invasive knotweed success. *Evolutionary Applications*, **2014**, 7, 413-20	4.8	47
152	More efficient aboveground nitrogen use in more diverse Central European forest canopies. *Forest Ecology and Management*, **2014**, 313, 274-282	3.9	21
151	Determinants of Acidobacteria activity inferred from the relative abundances of 16S rRNA transcripts in German grassland and forest soils. *Environmental Microbiology*, **2014**, 16, 658-75	5.2	70
150	Does land-use intensification decrease plant phylogenetic diversity in local grasslands?. *PLoS ONE*, **2014**, 9, e103252	3.7	15
149	Resource-mediated indirect effects of grassland management on arthropod diversity. *PLoS ONE*, **2014**, 9, e107033	3.7	30
148	Temporal changes in randomness of bird communities across Central Europe. *PLoS ONE*, **2014**, 9, e112347	3.7	16

147	Central European plant species from more productive habitats are more invasive at a global scale. *Global Ecology and Biogeography*, **2013**, 22, 64-72	6.1	53
146	High plant species richness indicates management-related disturbances rather than the conservation status of forests. *Basic and Applied Ecology*, **2013**, 14, 496-505	3.2	81
145	Does organic grassland farming benefit plant and arthropod diversity at the expense of yield and soil fertility?. *Agriculture, Ecosystems and Environment*, **2013**, 177, 1-9	5.7	32
144	Experimental plant communities develop phylogenetically overdispersed abundance distributions during assembly. *Ecology*, **2013**, 94, 465-77	4.6	34
143	A comparison of the strength of biodiversity effects across multiple functions. *Oecologia*, **2013**, 173, 223-37	2.9	82
142	Community mean traits as additional indicators to monitor effects of land-use intensity on grassland plant diversity. *Perspectives in Plant Ecology, Evolution and Systematics*, **2013**, 15, 1-11	3	25
141	Determinants of plant establishment success in a multispecies introduction experiment with native and alien species. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12727-32	11.5	69
140	Epigenetic diversity increases the productivity and stability of plant populations. *Nature Communications*, **2013**, 4, 2875	17.4	104
139	Plant invasiveness is not linked to the capacity of regeneration from small fragments: an experimental test with 39 stoloniferous species. *Biological Invasions*, **2013**, 15, 1367-1376	2.7	15
138	Enemy damage of exotic plant species is similar to that of natives and increases with productivity. *Journal of Ecology*, **2013**, 101, 388-399	6	27
137	United we stand, divided we fall: a meta-analysis of experiments on clonal integration and its relationship to invasiveness. *Oecologia*, **2013**, 171, 317-27	2.9	167
136	Interacting effects of fertilization, mowing and grazing on plant species diversity of 1500 grasslands in Germany differ between regions. *Basic and Applied Ecology*, **2013**, 14, 126-136	3.2	130
135	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. *Perspectives in Plant Ecology, Evolution and Systematics*, **2013**, 15, 281-291	3	143
134	Environmental variability promotes plant invasion. *Nature Communications*, **2013**, 4, 1604	17.4	90
133	Epigenetic variation creates potential for evolution of plant phenotypic plasticity. *New Phytologist*, **2013**, 197, 314-322	9.8	228
132	Negative Effects of Conspecific Floral Density on Fruit Set of Two Neotropical Understory Plants. *Biotropica*, **2013**, 45, 325-332	2.3	1
131	Effects of forest management on the diversity of deadwood-inhabiting fungi in Central European forests. *Forest Ecology and Management*, **2013**, 304, 42-48	3.9	45
130	Fern and bryophyte endozoochory by slugs. *Oecologia*, **2013**, 172, 817-22	2.9	36

129	Effects of native pollinator specialization, self-compatibility and flowering duration of European plant species on their invasiveness elsewhere. *Journal of Ecology*, **2013**, 101, 916-923	6	12
128	Plant-microbe-herbivore interactions in invasive and non-invasive alien plant species. *Functional Ecology*, **2013**, 27, 498-508	5.6	27
127	The cobblers stick to their lasts: pollinators prefer native over alien plant species in a multi-species experiment. *Biological Invasions*, **2013**, 15, 2577-2588	2.7	19
126	Up in the tree--the overlooked richness of bryophytes and lichens in tree crowns. *PLoS ONE*, **2013**, 8, e84913	3.7	31
125	Richness of lichen species, especially of threatened ones, is promoted by management methods furthering stand continuity. *PLoS ONE*, **2013**, 8, e55461	3.7	43
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4	Biotic interactions, community assembly, and eco-evolutionary dynamics as drivers of long-term biodiversity ecosystem functioning relationships. *Research Ideas and Outcomes*,5,	2.5	5

List of Publications

3	The results of biodiversity-ecosystem functioning experiments are realistic	1
2	Strong positive biodiversity–productivity relationships in a subtropical forest experiment	1
1	Plant traits are poor predictors of long-term ecosystem functioning	2