Nico Eisenhauer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

353 papers	14,182 citations	62 h-index	104 g-index
399 ext. papers	18,802 ext. citations	6.6 avg, IF	6.73 L-index

#	Paper	IF	Citations
353	Biodiversity increases the resistance of ecosystem productivity to climate extremes. *Nature*, **2015**, 526, 574-7	50.4	647
352	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. *Nature*, **2010**, 468, 553-6	50.4	614
351	Plant diversity increases soil microbial activity and soil carbon storage. *Nature Communications*, **2015**, 6, 6707	17.4	575
350	Impacts of biodiversity loss escalate through time as redundancy fades. *Science*, **2012**, 336, 589-92	33.3	518
349	Biodiversity enhances ecosystem multifunctionality across trophic levels and habitats. *Nature Communications*, **2015**, 6, 6936	17.4	326
348	Plant diversity effects on soil microorganisms support the singular hypothesis. *Ecology*, **2010**, 91, 485-96	4.6	314
347	Benefits of increasing plant diversity in sustainable agroecosystems. *Journal of Ecology*, **2017**, 105, 871-879	6	221
346	From patterns to causal understanding: Structural equation modeling (SEM) in soil ecology. *Pedobiologia*, **2015**, 58, 65-72	1.7	199
345	Invasion of a deciduous forest by earthworms: Changes in soil chemistry, microflora, microarthropods and vegetation. *Soil Biology and Biochemistry*, **2007**, 39, 1099-1110	7.5	195
344	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
343	Global change belowground: impacts of elevated CO2, nitrogen, and summer drought on soil food webs and biodiversity. *Global Change Biology*, **2012**, 18, 435-447	11.4	183
342	Root biomass and exudates link plant diversity with soil bacterial and fungal biomass. *Scientific Reports*, **2017**, 7, 44641	4.9	176
341	Probiotic Diversity Enhances Rhizosphere Microbiome Function and Plant Disease Suppression. *MBio*, **2016**, 7,	7.8	148
340	Plant diversity effects on soil food webs are stronger than those of elevated CO2 and N deposition in a long-term grassland experiment. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6889-94	11.5	147
339	Plant diversity improves protection against soil-borne pathogens by fostering antagonistic bacterial communities. *Journal of Ecology*, **2012**, 100, 597-604	6	143
338	Multiple facets of biodiversity drive the diversity-stability relationship. *Nature Ecology and Evolution*, **2018**, 2, 1579-1587	12.3	140
337	Biotic and abiotic properties mediating plant diversity effects on soil microbial communities in an experimental grassland. *PLoS ONE*, **2014**, 9, e96182	3.7	136

336	Plant diversity surpasses plant functional groups and plant productivity as driver of soil biota in the long term. *PLoS ONE*, **2011**, 6, e16055	3.7	135
335	The action of an animal ecosystem engineer: Identification of the main mechanisms of earthworm impacts on soil microarthropods. *Pedobiologia*, **2010**, 53, 343-352	1.7	132
334	Increasing antagonistic interactions cause bacterial communities to collapse at high diversity. *Ecology Letters*, **2012**, 15, 468-74	10	118
333	Genotypic richness and dissimilarity opposingly affect ecosystem functioning. *Ecology Letters*, **2011**, 14, 537-45	10	118
332	Early stage litter decomposition across biomes. *Science of the Total Environment*, **2018**, 628-629, 1369-1394	10.2	117
331	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	114
330	Global distribution of earthworm diversity. *Science*, **2019**, 366, 480-485	33.3	113
329	Action needed for the EU Common Agricultural Policy to address sustainability challenges. *People and Nature*, **2020**, 2, 305-316	5.9	112
328	Root exudate cocktails: the link between plant diversity and soil microorganisms?. *Ecology and Evolution*, **2016**, 6, 7387-7396	2.8	109
327	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. *Global Change Biology*, **2015**, 21, 4076-85	11.4	105
326	Increasing plant diversity effects on productivity with time due to delayed soil biota effects on plants. *Basic and Applied Ecology*, **2012**, 13, 571-578	3.2	104
325	Plant diversity effects on soil microbial functions and enzymes are stronger than warming in a grassland experiment. *Ecology*, **2015**, 96, 99-112	4.6	103
324	Using earthworms as model organisms in the laboratory: Recommendations for experimental implementations. *Pedobiologia*, **2010**, 53, 119-125	1.7	103
323	AbovegroundBelowground interactions as a source of complementarity effects in biodiversity experiments. *Plant and Soil*, **2012**, 351, 1-22	4.2	96
322	Energy Flux: The Link between Multitrophic Biodiversity and Ecosystem Functioning. *Trends in Ecology and Evolution*, **2018**, 33, 186-197	10.9	95
321	Seasonal changes in the soil microbial community in a grassland plant diversity gradient four years after establishment. *Soil Biology and Biochemistry*, **2008**, 40, 2588-2595	7.5	95
320	Niche dimensionality links biodiversity and invasibility of microbial communities. *Functional Ecology*, **2013**, 27, 282-288	5.6	93
319	Intraspecific genotypic richness and relatedness predict the invasibility of microbial communities. *ISME Journal*, **2011**, 5, 1108-14	11.9	92

318	Recognizing the quiet extinction of invertebrates. *Nature Communications*, **2019**, 10, 50	17.4	92
317	Interactive effects of warming, soil humidity and plant diversity on litter decomposition and microbial activity. *Soil Biology and Biochemistry*, **2011**, 43, 1902-1907	7.5	86
316	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. *Nature Ecology and Evolution*, **2018**, 2, 44-49	12.3	85
315	Mechanisms linking plant community properties to soil aggregate stability in an experimental grassland plant diversity gradient. *Plant and Soil*, **2013**, 373, 285-299	4.2	83
314	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. *Nature Communications*, **2015**, 6, 6092	17.4	82
313	A comparison of the strength of biodiversity effects across multiple functions. *Oecologia*, **2013**, 173, 223-37	2.9	82
312	Biodiversity-ecosystem function experiments reveal the mechanisms underlying the consequences of biodiversity change in real world ecosystems. *Journal of Vegetation Science*, **2016**, 27, 1061-1070	3.1	80
311	Bacterial diversity stabilizes community productivity. *PLoS ONE*, **2012**, 7, e34517	3.7	80
310	The proportion of soil-borne pathogens increases with warming at the global scale. *Nature Climate Change*, **2020**, 10, 550-554	21.4	79
309	Diversity promotes temporal stability across levels of ecosystem organization in experimental grasslands. *PLoS ONE*, **2010**, 5, e13382	3.7	79
308	Earthworms as drivers of the competition between grasses and legumes. *Soil Biology and Biochemistry*, **2008**, 40, 2650-2659	7.5	78
307	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). *Global Change Biology*, **2017**, 23, 1065-1074	11.4	77
306	Importance of earthworm–seed interactions for the composition and structure of plant communities: A review. *Acta Oecologica*, **2011**, 37, 594-603	1.7	75
305	Soil microbial properties and temporal stability in degraded and restored lands of Northeast Brazil. *Soil Biology and Biochemistry*, **2013**, 66, 175-181	7.5	74
304	Multiple plant diversity components drive consumer communities across ecosystems. *Nature Communications*, **2019**, 10, 1460	17.4	73
303	Blind spots in global soil biodiversity and ecosystem function research. *Nature Communications*, **2020**, 11, 3870	17.4	72
302	Reintroducing Environmental Change Drivers in Biodiversity-Ecosystem Functioning Research. *Trends in Ecology and Evolution*, **2016**, 31, 905-915	10.9	71
301	Reduced feeding activity of soil detritivores under warmer and drier conditions. *Nature Climate Change*, **2018**, 8, 75-78	21.4	70

300	A trait-based experimental approach to understand the mechanisms underlying biodiversity□ecosystem functioning relationships. *Basic and Applied Ecology*, **2014**, 15, 229-240	3.2	68
299	Plant species diversity affects infiltration capacity in an experimental grassland through changes in soil properties. *Plant and Soil*, **2015**, 397, 1-16	4.2	67
298	How do earthworms, soil texture and plant composition affect infiltration along an experimental plant diversity gradient in grassland?. *PLoS ONE*, **2014**, 9, e98987	3.7	66
297	Synthesis and future research directions linking tree diversity to growth, survival, and damage in a global network of tree diversity experiments. *Environmental and Experimental Botany*, **2018**, 152, 68-89	5.9	65
296	Land-Use Type Effects on Soil Organic Carbon and Microbial Properties in a Semi-arid Region of Northeast Brazil. *Land Degradation and Development*, **2016**, 27, 171-178	4.4	65
295	Light, earthworms, and soil resources as predictors of diversity of 10 soil invertebrate groups across monocultures of 14 tree species. *Soil Biology and Biochemistry*, **2016**, 92, 184-198	7.5	65
294	Collembola species composition and diversity effects on ecosystem functioning vary with plant functional group identity. *Soil Biology and Biochemistry*, **2011**, 43, 1697-1704	7.5	65
293	Plant species richness drives the density and diversity of Collembola in temperate grassland. *Acta Oecologica*, **2011**, 37, 195-202	1.7	64
292	Earthworm and belowground competition effects on plant productivity in a plant diversity gradient. *Oecologia*, **2009**, 161, 291-301	2.9	63
291	Effects of litter traits, soil biota, and soil chemistry on soil carbon stocks at a common garden with 14 tree species. *Biogeochemistry*, **2015**, 123, 313-327	3.8	61
290	Nematode community shifts in response to experimental warming and canopy conditions are associated with plant community changes in the temperate-boreal forest ecotone. *Oecologia*, **2014**, 175, 713-23	2.9	61
289	Impacts of earthworms and arbuscular mycorrhizal fungi (Glomus intraradices) on plant performance are not interrelated. *Soil Biology and Biochemistry*, **2009**, 41, 561-567	7.5	61
288	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. *Nature Ecology and Evolution*, **2017**, 1, 1639-1642	12.3	60
287	Functionally and phylogenetically diverse plant communities key to soil biota. *Ecology*, **2013**, 94, 1878-85	4.6	60
286	Direct and indirect effects of endogeic earthworms on plant seeds. *Pedobiologia*, **2009**, 52, 151-162	1.7	60
285	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. *Ecosphere*, **2016**, 7, e01619	3.1	60
284	Plant diversity does not buffer drought effects on early-stage litter mass loss rates and microbial properties. *Global Change Biology*, **2013**, 19, 2795-803	11.4	58
283	Nematode functional guilds, not trophic groups, reflect shifts in soil food webs and processes in response to interacting global change factors. *Pedobiologia*, **2015**, 58, 23-32	1.7	58

282	Invasive earthworms erode soil biodiversity: A meta-analysis. *Journal of Animal Ecology*, **2018**, 87, 162-172	4.7	58
281	Towards an Integration of Biodiversity–Ecosystem Functioning and Food Web Theory to Evaluate Relationships between Multiple Ecosystem Services. *Advances in Ecological Research*, **2015**, 161-199	4.6	57
280	Global gaps in soil biodiversity data. *Nature Ecology and Evolution*, **2018**, 2, 1042-1043	12.3	56
279	Decomposer diversity and identity influence plant diversity effects on ecosystem functioning. *Ecology*, **2012**, 93, 2227-40	4.6	56
278	Changes in plant species richness induce functional shifts in soil nematode communities in experimental grassland. *PLoS ONE*, **2011**, 6, e24087	3.7	55
277	Invasibility of experimental grassland communities: the role of earthworms, plant functional group identity and seed size. *Oikos*, **2008**, 117, 1026-1036	4	55
276	Plant diversity impacts decomposition and herbivory via changes in aboveground arthropods. *PLoS ONE*, **2014**, 9, e106529	3.7	54
275	Interactive effects of global warming and global worming on the initial establishment of native and exotic herbaceous plant species. *Oikos*, **2012**, 121, 1121-1133	4	53
274	Above- and below-ground plant inputs both fuel soil food webs. *Soil Biology and Biochemistry*, **2012**, 45, 156-160	7.5	53
273	Plant diversity maintains long-term ecosystem productivity under frequent drought by increasing short-term variation. *Ecology*, **2017**, 98, 2952-2961	4.6	53
272	Linking direct and indirect pathways mediating earthworms, deer, and understory composition in Great Lakes forests. *Biological Invasions*, **2013**, 15, 1057-1066	2.7	53
271	Earthworms as seedling predators: Importance of seeds and seedlings for earthworm nutrition. *Soil Biology and Biochemistry*, **2010**, 42, 1245-1252	7.5	52
270	Assessment of anecic behavior in selected earthworm species: Effects on wheat seed burial, seedling establishment, wheat growth and litter incorporation. *Applied Soil Ecology*, **2008**, 38, 79-82	5	52
269	Plants are less negatively affected by flooding when growing in species-rich plant communities. *New Phytologist*, **2017**, 213, 645-656	9.8	51
268	Global mismatches in aboveground and belowground biodiversity. *Conservation Biology*, **2019**, 33, 1187-1192	6	50
267	Plant community impacts on the structure of earthworm communities depend on season and change with time. *Soil Biology and Biochemistry*, **2009**, 41, 2430-2443	7.5	50
266	Efficiency of two widespread non-destructive extraction methods under dry soil conditions for different ecological earthworm groups. *European Journal of Soil Biology*, **2008**, 44, 141-145	2.9	50
265	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. *Nature Ecology and Evolution*, **2019**, 3, 400-406	12.3	49

264	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFE) approach. *Ecology Letters*, **2018**, 21, 167-180	10	48
263	SoilTemp: A global database of near-surface temperature. *Global Change Biology*, **2020**, 26, 6616-6629	11.4	47
262	Priorities for research in soil ecology. *Pedobiologia*, **2017**, 63, 1-7	1.7	44
261	Shifts of community composition and population density substantially affect ecosystem function despite invariant richness. *Ecology Letters*, **2017**, 20, 1315-1324	10	44
260	Warming alters the energetic structure and function but not resilience of soil food webs. *Nature Climate Change*, **2017**, 7, 895-900	21.4	44
259	Trophic cascades, invasive species and body-size hierarchies interactively modulate climate change responses of ecotonal temperate-boreal forest. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 2955-61	5.8	44
258	Unravelling Linkages between Plant Community Composition and the Pathogen-Suppressive Potential of Soils. *Scientific Reports*, **2016**, 6, 23584	4.9	44
257	Exotic Ecosystem Engineers Change the Emergence of Plants from the Seed Bank of a Deciduous Forest. *Ecosystems*, **2009**, 12, 1008-1016	3.9	43
256	Nonlinearity of effects of invasive ecosystem engineers on abiotic soil properties and soil biota. *Oikos*, **2009**, 118, 885-896	4	43
255	Plant species richness and functional traits affect community stability after a flood event. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	43
254	Tracking, targeting, and conserving soil biodiversity. *Science*, **2021**, 371, 239-241	33.3	43
253	Plant species richness and functional groups have different effects on soil water content in a decade-long grassland experiment. *Journal of Ecology*, **2019**, 107, 127-141	6	42
252	Synergistic effects of microbial and animal decomposers on plant and herbivore performance. *Basic and Applied Ecology*, **2010**, 11, 23-34	3.2	42
251	A multitrophic perspective on biodiversity-ecosystem functioning research. *Advances in Ecological Research*, **2019**, 61, 1-54	4.6	41
250	Plant diversity shapes microbe-rhizosphere effects on P mobilisation from organic matter in soil. *Ecology Letters*, **2015**, 18, 1356-65	10	41
249	A niche for ecosystem multifunctionality in global change research. *Global Change Biology*, **2019**, 25, 763-774	11.4	41
248	Plant identity drives the expression of biocontrol factors in a rhizosphere bacterium across a plant diversity gradient. *Functional Ecology*, **2015**, 29, 1225-1234	5.6	40
247	No interactive effects of pesticides and plant diversity on soil microbial biomass and respiration. *Applied Soil Ecology*, **2009**, 42, 31-36	5	40

246	Nitrogen deposition cancels out exotic earthworm effects on plant-feeding nematode communities. *Journal of Animal Ecology*, **2017**, 86, 708-717	4.7	39
245	The wave towards a new steady state: effects of earthworm invasion on soil microbial functions. *Biological Invasions*, **2011**, 13, 2191-2196	2.7	39
244	Ungulate browsing causes species loss in deciduous forests independent of community dynamics and silvicultural management in Central and Southeastern Europe. *Annals of Forest Research*, **2014**, 57, 1	2.4	39
243	Functional composition of plant communities determines the spatial and temporal stability of soil microbial properties in a long-term plant diversity experiment. *Oikos*, **2016**, 125, 1743-1754	4	39
242	Animal ecosystem engineers modulate the diversity-invasibility relationship. *PLoS ONE*, **2008**, 3, e3489	3.7	38
241	Soil microbial, nematode, and enzymatic responses to elevated CO2, N fertilization, warming, and reduced precipitation. *Soil Biology and Biochemistry*, **2019**, 135, 184-193	7.5	37
240	Biodiversity and species identity shape the antifungal activity of bacterial communities. *Ecology*, **2014**, 95, 1184-90	4.6	37
239	Towards an integrative understanding of soil biodiversity. *Biological Reviews*, **2020**, 95, 350-364	13.5	37
238	Warming magnifies predation and reduces prey coexistence in a model litter arthropod system. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	36
237	Positive relationship between herbaceous layer diversity and the performance of soil biota in a temperate forest. *Soil Biology and Biochemistry*, **2011**, 43, 462-465	7.5	36
236	Plant diversity enhances the reliability of belowground processes. *Soil Biology and Biochemistry*, **2010**, 42, 2102-2110	7.5	36
235	Soil Surface-Active Fauna in Degraded and Restored Lands of Northeast Brazil. *Land Degradation and Development*, **2015**, 26, 1-8	4.4	35
234	Climate warming promotes species diversity, but with greater taxonomic redundancy, in complex environments. *Science Advances*, **2017**, 3, e1700866	14.3	35
233	Possible mechanisms underlying abundance and diversity responses of nematode communities to plant diversity. *Ecosphere*, **2017**, 8, e01719	3.1	34
232	The effects of drought and nutrient addition on soil organisms vary across taxonomic groups, but are constant across seasons. *Scientific Reports*, **2019**, 9, 639	4.9	34
231	Net ammonification as influenced by plant diversity in experimental grasslands. *Soil Biology and Biochemistry*, **2012**, 48, 78-87	7.5	34
230	Separating drought effects from roof artifacts on ecosystem processes in a grassland drought experiment. *PLoS ONE*, **2013**, 8, e70997	3.7	34
229	High functional diversity stimulates diversification in experimental microbial communities. *Science Advances*, **2016**, 2, e1600124	14.3	34

228	Soil net nitrogen mineralisation across global grasslands. *Nature Communications*, **2019**, 10, 4981	17.4	33
227	Side-swiped: Ecological cascades emanating from earthworm invasion. *Frontiers in Ecology and the Environment*, **2019**, 17, 502-510	5.5	33
226	Subordinate plant species moderate drought effects on earthworm communities in grasslands. *Soil Biology and Biochemistry*, **2016**, 96, 119-127	7.5	31
225	Functional trait dissimilarity drives both species complementarity and competitive disparity. *Functional Ecology*, **2017**, 31, 2320-2329	5.6	31
224	The results of biodiversity-ecosystem functioning experiments are realistic. *Nature Ecology and Evolution*, **2020**, 4, 1485-1494	12.3	31
223	Plant species richness does not attenuate responses of soil microbial and nematode communities to a flood event. *Soil Biology and Biochemistry*, **2015**, 89, 135-149	7.5	30
222	Genotypic variability enhances the reproducibility of an ecological study. *Nature Ecology and Evolution*, **2018**, 2, 279-287	12.3	30
221	Plant diversity induces shifts in the functional structure and diversity across trophic levels. *Oikos*, **2018**, 127, 208-219	4	30
220	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
219	Additive effects of experimental climate change and land use on faunal contribution to litter decomposition. *Soil Biology and Biochemistry*, **2019**, 131, 141-148	7.5	30
218	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and oxygenated PAHs) in grassland soils. *Soil Biology and Biochemistry*, **2019**, 129, 60-70	7.5	30
217	Global vulnerability of soil ecosystems to erosion. *Landscape Ecology*, **2020**, 35, 823-842	4.3	29
216	Different earthworm ecological groups interactively impact seedling establishment. *European Journal of Soil Biology*, **2010**, 46, 330-334	2.9	29
215	Invasive earthworms interact with abiotic conditions to influence the invasion of common buckthorn (Rhamnus cathartica). *Oecologia*, **2015**, 178, 219-30	2.9	28
214	Biodiversity effects on ecosystem functioning respond unimodally to environmental stress. *Ecology Letters*, **2018**, 21, 1191-1199	10	28
213	10 Years Later. *Advances in Ecological Research*, **2015**, 53, 1-53	4.6	28
212	Inconsistent impacts of decomposer diversity on the stability of aboveground and belowground ecosystem functions. *Oecologia*, **2011**, 165, 403-15	2.9	28
211	Transferring biodiversity-ecosystem function research to the management of 'real-world' ecosystems. *Advances in Ecological Research*, **2019**, 61, 323-356	4.6	27

210	Evolutionary history predicts the stability of cooperation in microbial communities. *Nature Communications*, **2013**, 4, 2573	17.4	27
209	Soil bacterial diversity in degraded and restored lands of Northeast Brazil. *Antonie Van Leeuwenhoek*, **2014**, 106, 891-9	2.1	27
208	Mycorrhiza in tree diversity-ecosystem function relationships: conceptual framework and experimental implementation. *Ecosphere*, **2018**, 9, e02226	3.1	26
207	Non-significant tree diversity but significant identity effects on earthworm communities in three tree diversity experiments. *European Journal of Soil Biology*, **2015**, 67, 17-26	2.9	26
206	Soil arthropods beneficially rather than detrimentally impact plant performance in experimental grassland systems of different diversity. *Soil Biology and Biochemistry*, **2010**, 42, 1418-1424	7.5	26
205	Plant diversity maintains multiple soil functions in future environments. *ELife*, **2018**, 7,	8.9	26
204	Elevated CO2 and warming shift the functional composition of soil nematode communities in a semiarid grassland. *Soil Biology and Biochemistry*, **2016**, 103, 46-51	7.5	25
203	Herbivore behavior in the anecic earthworm species Lumbricus terrestris L.?. *European Journal of Soil Biology*, **2013**, 55, 62-65	2.9	25
202	Effects of plant diversity, functional group composition, and fertilization on soil microbial properties in experimental grassland. *PLoS ONE*, **2015**, 10, e0125678	3.7	25
201	Growing Research Networks on Mycorrhizae for Mutual Benefits. *Trends in Plant Science*, **2018**, 23, 975-984	15.1	25
200	Plant species richness sustains higher trophic levels of soil nematode communities after consecutive environmental perturbations. *Oecologia*, **2017**, 184, 715-728	2.9	23
199	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. *Nature Communications*, **2020**, 11, 5375	17.4	23
198	Plant diversity effects on soil microorganisms: Spatial and temporal heterogeneity of plant inputs increase soil biodiversity. *Pedobiologia*, **2016**, 59, 175-177	1.7	23
197	Nutrient availability controls the impact of mammalian herbivores on soil carbon and nitrogen pools in grasslands. *Global Change Biology*, **2020**, 26, 2060	11.4	22
196	Drought modulates interactions between arbuscular mycorrhizal fungal diversity and barley genotype diversity. *Scientific Reports*, **2019**, 9, 9650	4.9	21
195	Earthworm invasion alters enchytraeid community composition and individual biomass in northern hardwood forests of North America. *Applied Soil Ecology*, **2014**, 83, 159-169	5	21
194	'Trophic whales' as biotic buffers: weak interactions stabilize ecosystems against nutrient enrichment. *Journal of Animal Ecology*, **2015**, 84, 680-691	4.7	21
193	Effective Biodiversity Monitoring Needs a Culture of Integration. *One Earth*, **2020**, 3, 462-474	8.1	21

192	The Dark Side of Animal Phenology. *Trends in Ecology and Evolution*, **2018**, 33, 898-901	10.9	21
191	Red list of a black box. *Nature Ecology and Evolution*, **2017**, 1, 103	12.3	20
190	Extensive grassland-use sustains high levels of soil biological activity, but does not alleviate detrimental climate change effects. *Advances in Ecological Research*, **2019**, 25-58	4.6	20
189	Forest canopy maintains the soil community composition under elevated nitrogen deposition. *Soil Biology and Biochemistry*, **2020**, 143, 107733	7.5	20
188	Tree species identity determines wood decomposition via microclimatic effects. *Ecology and Evolution*, **2019**, 9, 12113-12127	2.8	20
187	Soil organisms shape the competition between grassland plant species. *Oecologia*, **2012**, 170, 1021-32	2.9	20
186	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. *Ecology*, **2020**, 101, e02905	4.6	20
185	Parasitoid wasps indirectly suppress seed production by stimulating consumption rates of their seed-feeding hosts. *Journal of Animal Ecology*, **2015**, 84, 1103-11	4.7	19
184	Plant community composition determines the strength of top-down control in a soil food web motif. *Scientific Reports*, **2015**, 5, 9134	4.9	19
183	Soil chemistry turned upside down: a meta-analysis of invasive earthworm effects on soil chemical properties. *Ecology*, **2020**, 101, e02936	4.6	19
182	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. *Biogeochemistry*, **2016**, 131, 339-353	3.8	19
181	Plant species richness elicits changes in the metabolome of grassland species via soil biotic legacy. *Journal of Ecology*, **2019**, 107, 2240-2254	6	18
180	Biodiversity enhances the multitrophic control of arthropod herbivory. *Science Advances*, **2020**, 6,	14.3	18
179	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. *Nature Ecology and Evolution*, **2020**, 4, 393-405	12.3	18
178	Plant litter functional diversity effects on litter mass loss depend on the macro-detritivore community. *Pedobiologia*, **2017**, 65, 29-42	1.7	18
177	Flood-Induced Changes in Soil Microbial Functions as Modified by Plant Diversity. *PLoS ONE*, **2016**, 11, e0166349	3.7	18
176	Effects of soil and leaf litter quality on the biomass of two endogeic earthworm species. *European Journal of Soil Biology*, **2016**, 77, 9-16	2.9	18
175	Using structural equation modeling to test established theory and develop novel hypotheses for the structuring forces in soil food webs. *Pedobiologia*, **2015**, 58, 137-145	1.7	17

174	Different impacts of native and exotic earthworms on rhizodeposit carbon sequestration in a subtropical soil. *Soil Biology and Biochemistry*, **2015**, 90, 152-160	7.5	17
173	Cascading effects of belowground predators on plant communities are density-dependent. *Ecology and Evolution*, **2015**, 5, 4300-14	2.8	17
172	Climate change effects on earthworms - a review **2019**, 91, 114-138		17
171	Soil functional biodiversity and biological quality under threat: intensive land use outweighs climate change. *Soil Biology and Biochemistry*, **2020**, 147,	7.5	17
170	For the sake of resilience and multifunctionality, let's diversify planted forests!. *Conservation Letters*,e12829	6.9	17
169	From climate chambers to biodiversity chambers. *Frontiers in Ecology and the Environment*, **2018**, 16, 136-137	5.5	16
168	Convergence of soil microbial properties after plant colonization of an experimental plant diversity gradient. *BMC Ecology*, **2016**, 16, 19	2.7	16
167	Soil microarthropods alter the outcome of plant-soil feedback experiments. *Scientific Reports*, **2018** , 8, 11898	4.9	16
166	Resident plant diversity and introduced earthworms have contrasting effects on the success of invasive plants. *Biological Invasions*, **2014**, 16, 2181-2193	2.7	16
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