

Nico Eisenhauer

List of Publications by Year in Descending Order

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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	Priming effects in soils across Europe.. <i>Global Change Biology</i> , 2022 ,	11.4	4
352	Nitrogen deposition stimulates decomposition via changes in the structure and function of litter food webs. <i>Soil Biology and Biochemistry</i> , 2022 , 166, 108522	7.5	1
351	Tree diversity effects on soil microbial biomass and respiration are context dependent across forest diversity experiments. <i>Global Ecology and Biogeography</i> , 2022 , 31, 872-885	6.1	0
350	Aboveground impacts of a belowground invader: how invasive earthworms alter aboveground arthropod communities in a northern North American forest.. <i>Biology Letters</i> , 2022 , 18, 20210636	3.6	2
349	Impact of subtrochanteric fractures in the geriatric population: better pre-fracture condition but poorer outcome than pertrochanteric fractures: evidence from the Spanish Hip Fracture Registry.. <i>Journal of Orthopaedics and Traumatology</i> , 2022 , 23, 17	5	0
348	Diversity Effects on Canopy Structure Change throughout a Growing Season in Experimental Grassland Communities. <i>Remote Sensing</i> , 2022 , 14, 1557	5	0
347	Fire frequency and type regulate the response of soil carbon cycling and storage to fire across soil depths and ecosystems: A meta-analysis.. <i>Science of the Total Environment</i> , 2022 , 825, 153921	10.2	0
346	Overgrazing, not haying, decreases grassland topsoil organic carbon by decreasing plant species richness along an aridity gradient in Northern China. <i>Agriculture, Ecosystems and Environment</i> , 2022 , 332, 107935	5.7	2
345	Depth-differentiated, multivariate control of biopore number under different land-use practices. <i>Geoderma</i> , 2022 , 418, 115852	6.7	0
344	Earthworm invasion shifts trophic niches of ground-dwelling invertebrates in a North American forest. <i>Soil Biology and Biochemistry</i> , 2022 , 171, 108730	7.5	
343	Nutrient status not secondary metabolites drives herbivory and pathogen infestation across differently mycorrhized tree monocultures and mixtures. <i>Basic and Applied Ecology</i> , 2021 , 55, 110-123	3.2	1
342	Global maps of soil temperature.. <i>Global Change Biology</i> , 2021 ,	11.4	8
341	Biodiversity promotes ecosystem functioning despite environmental change. <i>Ecology Letters</i> , 2021 ,	10	5
340	Invertebrate biodiversity and conservation. <i>Current Biology</i> , 2021 , 31, R1214-R1218	6.3	2
339	The iDiv Ecotron-A flexible research platform for multitrophic biodiversity research. <i>Ecology and Evolution</i> , 2021 , 11, 15174-15190	2.8	0
338	Incorporation of mineral nitrogen into the soil food web as affected by plant community composition. <i>Ecology and Evolution</i> , 2021 , 11, 4295-4309	2.8	0
337	Do Invasive Earthworms Affect the Functional Traits of Native Plants?. <i>Frontiers in Plant Science</i> , 2021 , 12, 627573	6.2	1

336	Biodiversity facets affect community surface temperature via 3D canopy structure in grassland communities. <i>Journal of Ecology</i> , 2021 , 109, 1969-1985	6	4
335	Fertilized graminoids intensify negative drought effects on grassland productivity. <i>Global Change Biology</i> , 2021 , 27, 2441-2457	11.4	8
334	Earthworm invasion causes declines across soil fauna size classes and biodiversity facets in northern North American forests. <i>Oikos</i> , 2021 , 130, 766-780	4	9
333	Mixing tree species associated with arbuscular or ectotrophic mycorrhizae reveals dual mycorrhization and interactive effects on the fungal partners. <i>Ecology and Evolution</i> , 2021 , 11, 5424-5440	2.8	2
332	Oil palm and rubber expansion facilitates earthworm invasion in Indonesia. <i>Biological Invasions</i> , 2021 , 23, 2783-2795	2.7	2
331	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. <i>Ecology</i> , 2021 , 102, e03332	4.6	12
330	Tree species rather than type of mycorrhizal association drive inorganic and organic nitrogen acquisition in tree-tree interactions. <i>Tree Physiology</i> , 2021 , 41, 2096-2108	4.2	0
329	Plant history and soil history jointly influence the selection environment for plant species in a long-term grassland biodiversity experiment. <i>Ecology and Evolution</i> , 2021 , 11, 8156-8169	2.8	0
328	Land-use drives the temporal stability and magnitude of soil microbial functions and modulates climate effects. <i>Ecological Applications</i> , 2021 , 31, e02325	4.9	4
327	Global data on earthworm abundance, biomass, diversity and corresponding environmental properties. <i>Scientific Data</i> , 2021 , 8, 136	8.2	4
326	Plant diversity effects on plant longevity and their relationships to population stability in experimental grasslands. <i>Journal of Ecology</i> , 2021 , 109, 2566-2579	6	2
325	Effects of plant species diversity on nematode community composition and diversity in a long-term biodiversity experiment. <i>Oecologia</i> , 2021 , 197, 297-311	2.9	5
324	Effects of Climate and Atmospheric Nitrogen Deposition on Early to Mid-Term Stage Litter Decomposition Across Biomes. <i>Frontiers in Forests and Global Change</i> , 2021 , 4,	3.7	4
323	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. <i>Nature Communications</i> , 2021 , 12, 4431	17.4	5
322	Grassland management effects on earthworm communities under ambient and future climatic conditions. <i>European Journal of Soil Science</i> , 2021 , 72, 343-355	3.4	7
321	Co-occurrence history increases ecosystem stability and resilience in experimental plant communities. <i>Ecology</i> , 2021 , 102, e03205	4.6	6
320	Climate affects neighbour-induced changes in leaf chemical defences and tree diversity-herbivory relationships. <i>Functional Ecology</i> , 2021 , 35, 67-81	5.6	2
319	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. <i>Global Change Biology</i> , 2021 , 27, 1387-1407	11.4	10

318	The multidimensionality of soil macroecology. <i>Global Ecology and Biogeography</i> , 2021 , 30, 4-10	6.1	1
317	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , 2021 , 109, 1284-1297	6	3
316	Invasive earthworms reduce chemical defense and increase herbivory and pathogen infection in native trees. <i>Journal of Ecology</i> , 2021 , 109, 763-775	6	4
315	Tracking, targeting, and conserving soil biodiversity. <i>Science</i> , 2021 , 371, 239-241	33.3	43
314	Soil fauna diversity and chemical stressors: a review of knowledge gaps and roadmap for future research. <i>Ecography</i> , 2021 , 44, 845-859	6.5	3
313	Global projections of the soil microbiome in the Anthropocene. <i>Global Ecology and Biogeography</i> , 2021 , 30, 987-999	6.1	7
312	Aboveground litter inputs determine carbon storage across soil profiles: a meta-analysis. <i>Plant and Soil</i> , 2021 , 462, 429-444	4.2	4
311	Tree diversity and soil chemical properties drive the linkages between soil microbial community and ecosystem functioning. <i>ISME Communications</i> , 2021 , 1,		1
310	Earthworm gut passage reinforces land-use effects on soil microbial communities across climate treatments. <i>Applied Soil Ecology</i> , 2021 , 164, 103919	5	0
309	Distinct effects of host and neighbour tree identity on arbuscular and ectomycorrhizal fungi along a tree diversity gradient. <i>ISME Communications</i> , 2021 , 1,		3
308	Species identity and the functioning of ecosystems: the role of detritivore traits and trophic interactions in connecting of multiple ecosystem responses. <i>Oikos</i> , 2021 , 130, 1692	4	0
307	Large-scale drivers of relationships between soil microbial properties and organic carbon across Europe. <i>Global Ecology and Biogeography</i> , 2021 , 30, 2070-2083	6.1	2
306	Tree mycorrhizal type and tree diversity shape the forest soil microbiota. <i>Environmental Microbiology</i> , 2021 ,	5.2	4
305	Moderate plant-soil feedbacks have small effects on the biodiversity-productivity relationship: A field experiment. <i>Ecology and Evolution</i> , 2021 , 11, 11651-11663	2.8	1
304	Low-intensity land-use enhances soil microbial activity, biomass and fungal-to-bacterial ratio in current and future climates. <i>Journal of Applied Ecology</i> , 2021 , 58, 2614	5.8	2
303	VNIR and MIR spectroscopy of PLFA-derived soil microbial properties and associated soil physicochemical characteristics in an experimental plant diversity gradient. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108319	7.5	2
302	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021 , 55, 33-52	3.2	8
301	For flux's sake: General considerations for energy-flux calculations in ecological communities. <i>Ecology and Evolution</i> , 2021 , 11, 12948-12969	2.8	3

300	Combined effects of land-use type and climate change on soil microbial activity and invertebrate decomposer activity. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 318, 107490	5.7	2
299	The shape that matters: how important is biodiversity for ecosystem functioning?. <i>Science China Life Sciences</i> , 2021 , 65, 651	8.5	0
298	Ecosystem effects of environmental extremes.. <i>Science</i> , 2021 , 374, 1442-1443	33.3	1
297	Biodiversity enhances the multitrophic control of arthropod herbivory. <i>Science Advances</i> , 2020 , 6,	14.3	18
296	The proportion of soil-borne pathogens increases with warming at the global scale. <i>Nature Climate Change</i> , 2020 , 10, 550-554	21.4	79
295	The biodiversity - N cycle relationship: a ¹⁵ N tracer experiment with soil from plant mixtures of varying diversity to model N pool sizes and transformation rates. <i>Biology and Fertility of Soils</i> , 2020 , 56, 1047-1061	6.1	4
294	Microbial processing of plant remains is co-limited by multiple nutrients in global grasslands. <i>Global Change Biology</i> , 2020 , 26, 4572-4582	11.4	8
293	Tree litter functional diversity and nitrogen concentration enhance litter decomposition via changes in earthworm communities. <i>Ecology and Evolution</i> , 2020 , 10, 6752-6768	2.8	7
292	Global vulnerability of soil ecosystems to erosion. <i>Landscape Ecology</i> , 2020 , 35, 823-842	4.3	29
291	Dominant native and non-native graminoids differ in key leaf traits irrespective of nutrient availability. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1126-1138	6.1	4
290	Action needed for the EU Common Agricultural Policy to address sustainability challenges. <i>People and Nature</i> , 2020 , 2, 305-316	5.9	112
289	Diverse plant mixtures sustain a greater arbuscular mycorrhizal fungi spore viability than monocultures after 12 years. <i>Journal of Plant Ecology</i> , 2020 , 13, 478-488	1.7	6
288	Nutrient availability controls the impact of mammalian herbivores on soil carbon and nitrogen pools in grasslands. <i>Global Change Biology</i> , 2020 , 26, 2060	11.4	22
287	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. <i>Nature Ecology and Evolution</i> , 2020 , 4, 393-405	12.3	18
286	Forest canopy maintains the soil community composition under elevated nitrogen deposition. <i>Soil Biology and Biochemistry</i> , 2020 , 143, 107733	7.5	20
285	Nematode communities, plant nutrient economy and life-cycle characteristics jointly determine plant monoculture performance over 12 years. <i>Oikos</i> , 2020 , 129, 466-479	4	3
284	Contrasting effects of plant diversity on β and α diversity of grassland invertebrates. <i>Ecology</i> , 2020 , 101, e03057	4.6	3
283	Lessons from the WBF2020: extrinsic and intrinsic value of soil organisms 2020 , 92, 121-127		1

282	Building a global database of soil microbial biomass and function: a call for collaboration 2020 , 91, 139-142		1
281	Climate change and intensive land use reduce soil animal biomass via dissimilar pathways. <i>ELife</i> , 2020 , 9,	8.9	10
280	Biodiversity mediates the effects of stressors but not nutrients on litter decomposition. <i>ELife</i> , 2020 , 9,	8.9	13
279	Soil functional biodiversity and biological quality under threat: intensive land use outweighs climate change. <i>Soil Biology and Biochemistry</i> , 2020 , 147,	7.5	17
278	Inferring competitive outcomes, ranks and intransitivity from empirical data: A comparison of different methods. <i>Methods in Ecology and Evolution</i> , 2020 , 11, 117-128	7.7	3
277	Predicting species abundances in a grassland biodiversity experiment: Trade-offs between model complexity and generality. <i>Journal of Ecology</i> , 2020 , 108, 774-787	6	8
276	Towards an integrative understanding of soil biodiversity. <i>Biological Reviews</i> , 2020 , 95, 350-364	13.5	37
275	Climate change and land use induce functional shifts in soil nematode communities. <i>Oecologia</i> , 2020 , 192, 281-294	2.9	12
274	Invasive lumbricid earthworms in North America - different life-histories but common dispersal?. <i>Journal of Biogeography</i> , 2020 , 47, 674-685	4.1	2
273	Soil chemistry turned upside down: a meta-analysis of invasive earthworm effects on soil chemical properties. <i>Ecology</i> , 2020 , 101, e02936	4.6	19
272	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1602-1611	12.3	30
271	Species richness promotes ecosystem carbon storage: evidence from biodiversity-ecosystem functioning experiments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20202063	4.4	9
270	Plant diversity influenced gross nitrogen mineralization, microbial ammonium consumption and gross inorganic N immobilization in a grassland experiment. <i>Oecologia</i> , 2020 , 193, 731-748	2.9	10
269	Blind spots in global soil biodiversity and ecosystem function research. <i>Nature Communications</i> , 2020 , 11, 3870	17.4	72
268	Global impacts of fertilization and herbivore removal on soil net nitrogen mineralization are modulated by local climate and soil properties. <i>Global Change Biology</i> , 2020 , 26, 7173-7185	11.4	9
267	Effective Biodiversity Monitoring Needs a Culture of Integration. <i>One Earth</i> , 2020 , 3, 462-474	8.1	21
266	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020 , 11, 5375	17.4	23
265	The archives are half-empty: an assessment of the availability of microbial community sequencing data. <i>Communications Biology</i> , 2020 , 3, 474	6.7	6

264	Invertebrate Decline Leads to Shifts in Plant Species Abundance and Phenology. <i>Frontiers in Plant Science</i> , 2020 , 11, 542125	6.2	5
263	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1485-1494	12.3	31
262	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. <i>Ecology</i> , 2020 , 101, e02905	4.6	20
261	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020 , 26, 6616-6629	11.4	47
260	Terrestrial laser scanning reveals temporal changes in biodiversity mechanisms driving grassland productivity. <i>Advances in Ecological Research</i> , 2019 , 61, 133-161	4.6	3
259	Global distribution of earthworm diversity. <i>Science</i> , 2019 , 366, 480-485	33.3	113
258	The effects of drought and nutrient addition on soil organisms vary across taxonomic groups, but are constant across seasons. <i>Scientific Reports</i> , 2019 , 9, 639	4.9	34
257	Exotic earthworms maintain soil biodiversity by altering bottom-up effects of plants on the composition of soil microbial groups and nematode communities. <i>Biology and Fertility of Soils</i> , 2019 , 55, 213-227	6.1	6
256	Evolution of interdisciplinarity in biodiversity science. <i>Ecology and Evolution</i> , 2019 , 9, 6744-6755	2.8	13
255	Diversity-dependent plant-soil feedbacks underlie long-term plant diversity effects on primary productivity. <i>Ecosphere</i> , 2019 , 10, e02704	3.1	8
254	Soil microbial, nematode, and enzymatic responses to elevated CO ₂ , N fertilization, warming, and reduced precipitation. <i>Soil Biology and Biochemistry</i> , 2019 , 135, 184-193	7.5	37
253	Plant diversity alters the representation of motifs in food webs. <i>Nature Communications</i> , 2019 , 10, 1226	17.4	15
252	Interactions between functionally diverse fungal mutualists inconsistently affect plant performance and competition. <i>Oikos</i> , 2019 , 128, 1136-1146	4	6
251	A meta food web for invertebrate species collected in a European grassland. <i>Ecology</i> , 2019 , 100, e02679	4.6	8
250	Global mismatches in aboveground and belowground biodiversity. <i>Conservation Biology</i> , 2019 , 33, 1187-1192	11.92	50
249	Plant species richness elicits changes in the metabolome of grassland species via soil biotic legacy. <i>Journal of Ecology</i> , 2019 , 107, 2240-2254	6	18
248	Earthworms modulate the effects of climate warming on the taxon richness of soil meso- and macrofauna in an agricultural system. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 278, 72-80	5.7	12
247	Multiple plant diversity components drive consumer communities across ecosystems. <i>Nature Communications</i> , 2019 , 10, 1460	17.4	73

246	Climate change does not alter land-use effects on soil fauna communities. <i>Applied Soil Ecology</i> , 2019 , 140, 1-10	5	12
245	Positive association between forest management, environmental change, and forest bird abundance. <i>Forest Ecosystems</i> , 2019 , 6,	3.8	14
244	Extensive grassland-use sustains high levels of soil biological activity, but does not alleviate detrimental climate change effects. <i>Advances in Ecological Research</i> , 2019 , 25-58	4.6	20
243	Plant species richness and functional groups have different effects on soil water content in a decade-long grassland experiment. <i>Journal of Ecology</i> , 2019 , 107, 127-141	6	42
242	Above- and belowground overyielding are related at the community and species level in a grassland biodiversity experiment. <i>Advances in Ecological Research</i> , 2019 , 61, 55-89	4.6	8
241	Mapping change in biodiversity and ecosystem function research: food webs foster integration of experiments and science policy. <i>Advances in Ecological Research</i> , 2019 , 297-322	4.6	10
240	Transferring biodiversity-ecosystem function research to the management of real-world ecosystems. <i>Advances in Ecological Research</i> , 2019 , 61, 323-356	4.6	27
239	Plant functional trait identity and diversity effects on soil meso- and macrofauna in an experimental grassland. <i>Advances in Ecological Research</i> , 2019 , 163-184	4.6	2
238	A multitrophic perspective on biodiversity-ecosystem functioning research. <i>Advances in Ecological Research</i> , 2019 , 61, 1-54	4.6	41
237	A new experimental approach to test why biodiversity effects strengthen as ecosystems age. <i>Advances in Ecological Research</i> , 2019 , 221-264	4.6	13
236	Lost in trait space: species-poor communities are inflexible in properties that drive ecosystem functioning. <i>Advances in Ecological Research</i> , 2019 , 91-131	4.6	7
235	Not even wrong: Comment by Wagg et al. <i>Ecology</i> , 2019 , 100, e02805	4.6	3
234	Drought modulates interactions between arbuscular mycorrhizal fungal diversity and barley genotype diversity. <i>Scientific Reports</i> , 2019 , 9, 9650	4.9	21
233	Tree species identity determines wood decomposition via microclimatic effects. <i>Ecology and Evolution</i> , 2019 , 9, 12113-12127	2.8	20
232	Soil net nitrogen mineralisation across global grasslands. <i>Nature Communications</i> , 2019 , 10, 4981	17.4	33
231	Side-swiped: Ecological cascades emanating from earthworm invasion. <i>Frontiers in Ecology and the Environment</i> , 2019 , 17, 502-510	5.5	33
230	Recommendations for establishing global collaborative networks in soil ecology 2019 , 91, 73-85		5
229	Soil Organisms - an international open access journal on the taxonomic and functional biodiversity in the soil 2019 , 91, 33-35		

228	Testing soil nematode extraction efficiency using different variations of the Baermann-funnel method 2019 , 91, 61-72		3
227	Climate change effects on earthworms - a review 2019 , 91, 114-138		17
226	Ecosystem responses to exotic earthworm invasion in northern North American forests. <i>Research Ideas and Outcomes</i> , 2019 , 5,	2.5	9
225	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. <i>Nature Ecology and Evolution</i> , 2019 , 3, 400-406	12.3	49
224	Land use modulates the effects of climate change on density but not community composition of Collembola. <i>Soil Biology and Biochemistry</i> , 2019 , 138, 107598	7.5	12
223	Natura 2000 priority and non-priority habitats do not differ in soil nematode diversity. <i>Applied Soil Ecology</i> , 2019 , 135, 166-173	5	4
222	A niche for ecosystem multifunctionality in global change research. <i>Global Change Biology</i> , 2019 , 25, 763-774	11.4	41
221	Recognizing the quiet extinction of invertebrates. <i>Nature Communications</i> , 2019 , 10, 50	17.4	92
220	Additive effects of experimental climate change and land use on faunal contribution to litter decomposition. <i>Soil Biology and Biochemistry</i> , 2019 , 131, 141-148	7.5	30
219	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and oxygenated PAHs) in grassland soils. <i>Soil Biology and Biochemistry</i> , 2019 , 129, 60-70	7.5	30
218	Cascading spatial and trophic impacts of oak decline on the soil food web. <i>Journal of Ecology</i> , 2019 , 107, 1199-1214	6	9
217	Biodiversity-ecosystem function relationships on bodies and in buildings. <i>Nature Ecology and Evolution</i> , 2019 , 3, 7-9	12.3	1
216	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018 , 628-629, 1369-1394	19.2	117
215	From climate chambers to biodiversity chambers. <i>Frontiers in Ecology and the Environment</i> , 2018 , 16, 136-137	5.5	16
214	Negative effects of litter richness on root decomposition in the presence of detritivores. <i>Functional Ecology</i> , 2018 , 32, 1079-1090	5.6	5
213	Gut shuttle service: endozoochory of dispersal-limited soil fauna by gastropods. <i>Oecologia</i> , 2018 , 186, 655-664	2.9	10
212	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFE) approach. <i>Ecology Letters</i> , 2018 , 21, 167-180	10	48
211	Reduced feeding activity of soil detritivores under warmer and drier conditions. <i>Nature Climate Change</i> , 2018 , 8, 75-78	21.4	70

210	Interspecific competition alters leaf stoichiometry in 20 grassland species. <i>Oikos</i> , 2018 , 127, 903-914	4	13
209	Genotypic variability enhances the reproducibility of an ecological study. <i>Nature Ecology and Evolution</i> , 2018 , 2, 279-287	12.3	30
208	Energy Flux: The Link between Multitrophic Biodiversity and Ecosystem Functioning. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 186-197	10.9	95
207	Synthesis and future research directions linking tree diversity to growth, survival, and damage in a global network of tree diversity experiments. <i>Environmental and Experimental Botany</i> , 2018 , 152, 68-89	5.9	65
206	Plant diversity induces shifts in the functional structure and diversity across trophic levels. <i>Oikos</i> , 2018 , 127, 208-219	4	30
205	Mycorrhiza in tree diversity-ecosystem function relationships: conceptual framework and experimental implementation. <i>Ecosphere</i> , 2018 , 9, e02226	3.1	26
204	Elevated tropospheric CO and O concentrations impair organic pollutant removal from grassland soil. <i>Scientific Reports</i> , 2018 , 8, 5519	4.9	6
203	Soil microarthropods alter the outcome of plant-soil feedback experiments. <i>Scientific Reports</i> , 2018 , 8, 11898	4.9	16
202	Multiple facets of biodiversity drive the diversity-stability relationship. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1579-1587	12.3	140
201	Impacts of free-ranging cats on invertebrates. <i>Frontiers in Ecology and the Environment</i> , 2018 , 16, 262-263	3.5	3
200	Global gaps in soil biodiversity data. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1042-1043	12.3	56
199	Biodiversity effects on ecosystem functioning respond unimodally to environmental stress. <i>Ecology Letters</i> , 2018 , 21, 1191-1199	10	28
198	Plant diversity maintains multiple soil functions in future environments. <i>ELife</i> , 2018 , 7,	8.9	26
197	Connecting experimental biodiversity research to real-world grasslands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018 , 33, 78-88	3	12
196	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. <i>Nature Ecology and Evolution</i> , 2018 , 2, 44-49	12.3	85
195	Invasive earthworms erode soil biodiversity: A meta-analysis. <i>Journal of Animal Ecology</i> , 2018 , 87, 162-172	7	58
194	Decomposer diversity increases biomass production and shifts aboveground-belowground biomass allocation of common wheat. <i>Scientific Reports</i> , 2018 , 8, 17894	4.9	5
193	Temperature effects on prey and basal resources exceed that of predators in an experimental community. <i>Ecology and Evolution</i> , 2018 , 8, 12670-12680	2.8	7

192	Growing Research Networks on Mycorrhizae for Mutual Benefits. <i>Trends in Plant Science</i> , 2018 , 23, 975-984	3.1	25
191	Plants mitigate detrimental nitrogen deposition effects on soil biodiversity. <i>Soil Biology and Biochemistry</i> , 2018 , 127, 178-186	7.5	12
190	The Dark Side of Animal Phenology. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 898-901	10.9	21
189	Elevated CO ₂ accelerates polycyclic aromatic hydrocarbon accumulation in a paddy soil grown with rice. <i>PLoS ONE</i> , 2018 , 13, e0196439	3.7	3
188	Effect of water table decline on the abundances of soil mites, springtails, and nematodes in the Zoige peatland of eastern Tibetan Plateau. <i>Applied Soil Ecology</i> , 2018 , 129, 77-83	5	9
187	Land-use heterogeneity by small-scale agriculture promotes amphibian diversity in montane agroforestry systems of northeast Colombia. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 264, 15-23	5.7	16
186	Nitrogen deposition cancels out exotic earthworm effects on plant-feeding nematode communities. <i>Journal of Animal Ecology</i> , 2017 , 86, 708-717	4.7	39
185	Soil drainage facilitates earthworm invasion and subsequent carbon loss from peatland soil. <i>Journal of Applied Ecology</i> , 2017 , 54, 1291-1300	5.8	14
184	Root biomass and exudates link plant diversity with soil bacterial and fungal biomass. <i>Scientific Reports</i> , 2017 , 7, 44641	4.9	176
183	Tree diversity regulates soil respiration through elevated tree growth in a microcosm experiment. <i>Pedobiologia</i> , 2017 , 65, 24-28	1.7	6
182	Trophic and non-trophic interactions influence the mechanisms underlying biodiversity-ecosystem functioning relationships under different abiotic conditions. <i>Oikos</i> , 2017 , 126, 1748-1759	4	8
181	Priorities for research in soil ecology. <i>Pedobiologia</i> , 2017 , 63, 1-7	1.7	44
180	Possible mechanisms underlying abundance and diversity responses of nematode communities to plant diversity. <i>Ecosphere</i> , 2017 , 8, e01719	3.1	34
179	Benefits of increasing plant diversity in sustainable agroecosystems. <i>Journal of Ecology</i> , 2017 , 105, 871-879	8.9	221
178	Plant species richness sustains higher trophic levels of soil nematode communities after consecutive environmental perturbations. <i>Oecologia</i> , 2017 , 184, 715-728	2.9	23
177	Red list of a black box. <i>Nature Ecology and Evolution</i> , 2017 , 1, 103	12.3	20
176	Warming magnifies predation and reduces prey coexistence in a model litter arthropod system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	36
175	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1639-1642	12.3	60

174	Changes in the genetic structure of an invasive earthworm species (, Lumbricidae) along an urban - rural gradient in North America. <i>Applied Soil Ecology</i> , 2017 , 120, 265-272	5	5
173	Shifts of community composition and population density substantially affect ecosystem function despite invariant richness. <i>Ecology Letters</i> , 2017 , 20, 1315-1324	10	44
172	Root chemistry and soil fauna, but not soil abiotic conditions explain the effects of plant diversity on root decomposition. <i>Oecologia</i> , 2017 , 185, 499-511	2.9	11
171	Climate warming promotes species diversity, but with greater taxonomic redundancy, in complex environments. <i>Science Advances</i> , 2017 , 3, e1700866	14.3	35
170	Plant diversity maintains long-term ecosystem productivity under frequent drought by increasing short-term variation. <i>Ecology</i> , 2017 , 98, 2952-2961	4.6	53
169	Fertilization, soil and plant community characteristics determine soil microbial activity in managed temperate grasslands. <i>Plant and Soil</i> , 2017 , 419, 189-199	4.2	12
168	Resolution of respect for Ekkehard von Thüne (1925-2017). <i>Pedobiologia</i> , 2017 , 64, 40-41	1.7	
167	N addition suppresses the performance of grassland caterpillars (<i>Gynaephora alpherakjii</i>) by decreasing ground temperature. <i>Ecosphere</i> , 2017 , 8, e01755	3.1	4
166	Spatial plant resource acquisition traits explain plant community effects on soil microbial properties. <i>Pedobiologia</i> , 2017 , 65, 50-57	1.7	11
165	Plant trait effects on soil organisms and functions. <i>Pedobiologia</i> , 2017 , 65, 1-4	1.7	14
164	Soil-mediated effects of global change on plant communities depend on plant growth form. <i>Ecosphere</i> , 2017 , 8, e01996	3.1	2
163	Differential responses of body growth to artificial warming between parasitoids and hosts and the consequences for plant seed damage. <i>Scientific Reports</i> , 2017 , 7, 15472	4.9	1
162	Warming alters the energetic structure and function but not resilience of soil food webs. <i>Nature Climate Change</i> , 2017 , 7, 895-900	21.4	44
161	Plant litter functional diversity effects on litter mass loss depend on the macro-detritivore community. <i>Pedobiologia</i> , 2017 , 65, 29-42	1.7	18
160	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. <i>Basic and Applied Ecology</i> , 2017 , 23, 1-73	3.2	184
159	Leaf and root C-to-N ratios are poor predictors of soil microbial biomass C and respiration across 32 tree species. <i>Pedobiologia</i> , 2017 , 65, 1623	1.7	11
158	Seed selection by earthworms: chemical seed properties matter more than morphological traits. <i>Plant and Soil</i> , 2017 , 413, 97-110	4.2	13
157	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). <i>Global Change Biology</i> , 2017 , 23, 1065-1074	11.4	77

156	Plants are less negatively affected by flooding when growing in species-rich plant communities. <i>New Phytologist</i> , 2017 , 213, 645-656	9.8	51
155	Functional trait dissimilarity drives both species complementarity and competitive disparity. <i>Functional Ecology</i> , 2017 , 31, 2320-2329	5.6	31
154	Elevated CO ₂ and warming shift the functional composition of soil nematode communities in a semiarid grassland. <i>Soil Biology and Biochemistry</i> , 2016 , 103, 46-51	7.5	25
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151	Effects of soil warming history on the performances of congeneric temperate and boreal herbaceous plant species and their associations with soil biota. <i>Journal of Plant Ecology</i> , 2016 , rtw066	1.7	3
150	Response of soil microbial biomass and activity in early restored lands in the northeastern Brazilian Atlantic Forest. <i>Restoration Ecology</i> , 2016 , 24, 609-616	3.1	7
149	Convergence of soil microbial properties after plant colonization of an experimental plant diversity gradient. <i>BMC Ecology</i> , 2016 , 16, 19	2.7	16
148	Land-Use Type Effects on Soil Organic Carbon and Microbial Properties in a Semi-arid Region of Northeast Brazil. <i>Land Degradation and Development</i> , 2016 , 27, 171-178	4.4	65
147	Subordinate plant species moderate drought effects on earthworm communities in grasslands. <i>Soil Biology and Biochemistry</i> , 2016 , 96, 119-127	7.5	31
146	Earthworm databases and ecological theory: Synthesis of current initiatives and main research directions. <i>Applied Soil Ecology</i> , 2016 , 104, 85-90	5	5
145	Light, earthworms, and soil resources as predictors of diversity of 10 soil invertebrate groups across monocultures of 14 tree species. <i>Soil Biology and Biochemistry</i> , 2016 , 92, 184-198	7.5	65
144	Flood-Induced Changes in Soil Microbial Functions as Modified by Plant Diversity. <i>PLoS ONE</i> , 2016 , 11, e0166349	3.7	18
143	High Survival of <i>Lasius niger</i> during Summer Flooding in a European Grassland. <i>PLoS ONE</i> , 2016 , 11, e0152777	3.7	3
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140	High functional diversity stimulates diversification in experimental microbial communities. <i>Science Advances</i> , 2016 , 2, e1600124	14.3	34
139	Unravelling Linkages between Plant Community Composition and the Pathogen-Suppressive Potential of Soils. <i>Scientific Reports</i> , 2016 , 6, 23584	4.9	44

138	Root exudate cocktails: the link between plant diversity and soil microorganisms?. <i>Ecology and Evolution</i> , 2016 , 6, 7387-7396	2.8	109
137	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , 2016 , 7, e01619	3.1	60
136	Probiotic Diversity Enhances Rhizosphere Microbiome Function and Plant Disease Suppression. <i>MBio</i> , 2016 , 7,	7.8	148
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134	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	114
133	Plant species richness and functional traits affect community stability after a flood event. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	43
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130	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. <i>Nature Communications</i> , 2015 , 6, 6092	17.4	82
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128	Invasive earthworms interact with abiotic conditions to influence the invasion of common buckthorn (<i>Rhamnus cathartica</i>). <i>Oecologia</i> , 2015 , 178, 219-30	2.9	28
127	Increase of fast nutrient cycling in grassland microcosms through insect herbivory depends on plant functional composition and species diversity. <i>Oikos</i> , 2015 , 124, 161-173	4	15
126	Plant species richness does not attenuate responses of soil microbial and nematode communities to a flood event. <i>Soil Biology and Biochemistry</i> , 2015 , 89, 135-149	7.5	30
125	Plant community composition determines the strength of top-down control in a soil food web motif. <i>Scientific Reports</i> , 2015 , 5, 9134	4.9	19
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123	From patterns to causal understanding: Structural equation modeling (SEM) in soil ecology. <i>Pedobiologia</i> , 2015 , 58, 65-72	1.7	199
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118	Using structural equation modeling to test established theory and develop novel hypotheses for the structuring forces in soil food webs. <i>Pedobiologia</i> , 2015 , 58, 137-145	1.7	17
117	Different impacts of native and exotic earthworms on rhizodeposit carbon sequestration in a subtropical soil. <i>Soil Biology and Biochemistry</i> , 2015 , 90, 152-160	7.5	17
116	Towards an Integration of Biodiversity-Ecosystem Functioning and Food Web Theory to Evaluate Relationships between Multiple Ecosystem Services. <i>Advances in Ecological Research</i> , 2015 , 161-199	4.6	57
115	Soil Surface-Active Fauna in Degraded and Restored Lands of Northeast Brazil. <i>Land Degradation and Development</i> , 2015 , 26, 1-8	4.4	35
114	Cascading effects of belowground predators on plant communities are density-dependent. <i>Ecology and Evolution</i> , 2015 , 5, 4300-14	2.8	17
113	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. <i>Global Change Biology</i> , 2015 , 21, 4076-85	11.4	105
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109	10 Years Later. <i>Advances in Ecological Research</i> , 2015 , 53, 1-53	4.6	28
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10	Spatiotemporal dynamics of abiotic and biotic properties explain biodiversity-ecosystem-functioning relationships. <i>Ecological Monographs</i> ,e01490	9	1
9	Co-occurrence history increases ecosystem temporal stability and recovery from a flood in experimental plant communities		1
8	The results of biodiversity-ecosystem functioning experiments are realistic		1
7	Nutrient enrichment increases invertebrate herbivory and pathogen damage in grasslands. <i>Journal of Ecology</i> ,	6	2
6	Biotic and abiotic drivers of soil microbial functions across tree diversity experiments		1
5	Global distribution of earthworm diversity		4
4	Blind spots in global soil biodiversity and ecosystem function research		2
3	Plant traits are poor predictors of long-term ecosystem functioning		2
2	For the sake of resilience and multifunctionality, let's diversify planted forests!. <i>Conservation Letters</i> ,e12829	6.9	17
1	Out of the dark: Using energy flux to connect above- and belowground communities and ecosystem functioning. <i>European Journal of Soil Science</i> ,	3.4	3