Nico Eisenhauer

List of Publications by Year
in descending order

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Version: 2024-02-01

363	23,040	8159	14156
papers	citations	76 h-index	128 g-index

399	399	399	19061
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodiversity increases the resistance of ecosystem productivity to climate extremes. Nature, 2015, 526, 574-577.	13.7	1,032
2	Plant diversity increases soil microbial activity and soil carbon storage. Nature Communications, 2015, 6, 6707.	5.8	949
3	Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment. Nature, 2010, 468, 553-556.	13.7	786
4	Impacts of Biodiversity Loss Escalate Through Time as Redundancy Fades. Science, 2012, 336, 589-592.	6.0	672
5	Biodiversity enhances ecosystem multifunctionality across trophic levels and habitats. Nature Communications, 2015, 6, 6936.	5.8	515
6	Plant diversity effects on soil microorganisms support the singular hypothesis. Ecology, 2010, 91, 485-496.	1.5	409
7	Benefits of increasing plant diversity in sustainable agroecosystems. Journal of Ecology, 2017, 105, 871-879.	1.9	360
8	Root biomass and exudates link plant diversity with soil bacterial and fungal biomass. Scientific Reports, 2017, 7, 44641.	1.6	309
9	Biodiversity effects on ecosystem functioning in a 15-year grassland experiment: Patterns, mechanisms, and open questions. Basic and Applied Ecology, 2017, 23, 1-73.	1.2	307
10	Multiple facets of biodiversity drive the diversityâ€“stability relationship. Nature Ecology and Evolution, 2018, 2, 1579-1587.	3.4	296
11	From patterns to causal understanding: Structural equation modeling (SEM) in soil ecology. Pedobiologia, 2015, 58, 65-72.	0.5	287
12	Probiotic Diversity Enhances Rhizosphere Microbiome Function and Plant Disease Suppression. MBio, 2016, 7, .	1.8	264
13	Action needed for the EU Common Agricultural Policy to address sustainability challenges. People and Nature, 2020, 2, 305-316.	1.7	259
14	The proportion of soil-borne pathogens increases with warming at the global scale. Nature Climate Change, 2020, 10, 550-554.	8.1	254
15	Global distribution of earthworm diversity. Science, 2019, 366, 480-485.	6.0	248
16	Global change belowground: impacts of elevated <scp><scp>CO₂</scp></scp>, nitrogen, and summer drought on soil food webs and biodiversity. Global Change Biology, 2012, 18, 435-447.	4.2	233
17	Invasion of a deciduous forest by earthworms: Changes in soil chemistry, microflora, microarthropods and vegetation. Soil Biology and Biochemistry, 2007, 39, 1099-1110.	4.2	229
18	Plant diversity improves protection against soilâ€borne pathogens by fostering antagonistic bacterial communities. Journal of Ecology, 2012, 100, 597-604.	1.9	218

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19	Plant diversity effects on soil food webs are stronger than those of elevated CO ₂ and N deposition in a long-term grassland experiment. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6889-6894.	3.3	204
20	Energy Flux: The Link between Multitrophic Biodiversity and Ecosystem Functioning. Trends in Ecology and Evolution, 2018, 33, 186-197.	4.2	195
21	Blind spots in global soil biodiversity and ecosystem function research. Nature Communications, 2020, 11, 3870.	5.8	192
22	Biotic and Abiotic Properties Mediating Plant Diversity Effects on Soil Microbial Communities in an Experimental Grassland. PLoS ONE, 2014, 9, e96182.	1.1	188
23	Root exudate cocktails: the link between plant diversity and soil microorganisms?. Ecology and Evolution, 2016, 6, 7387-7396.	0.8	183
24	Recognizing the quiet extinction of invertebrates. Nature Communications, 2019, 10, 50.	5.8	180
25	Early stage litter decomposition across biomes. Science of the Total Environment, 2018, 628-629, 1369-1394.	3.9	177
26	Plant Diversity Surpasses Plant Functional Groups and Plant Productivity as Driver of Soil Biota in the Long Term. PLoS ONE, 2011, 6, e16055.	1.1	172
27	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, 20150277.	1.8	169
28	Increasing antagonistic interactions cause bacterial communities to collapse at high diversity. Ecology Letters, 2012, 15, 468-474.	3.0	167
29	The action of an animal ecosystem engineer: Identification of the main mechanisms of earthworm impacts on soil microarthropods. Pedobiologia, 2010, 53, 343-352.	0.5	165
30	Biodiversityâ€“multifunctionality relationships depend on identity and number of measured functions. Nature Ecology and Evolution, 2018, 2, 44-49.	3.4	155
31	Tracking, targeting, and conserving soil biodiversity. Science, 2021, 371, 239-241.	6.0	151
32	Genotypic richness and dissimilarity opposingly affect ecosystem functioning. Ecology Letters, 2011, 14, 537-545.	3.0	145
33	Plant diversity effects on soil microbial functions and enzymes are stronger than warming in a grassland experiment. Ecology, 2015, 96, 99-112.	1.5	144
34	Increasing plant diversity effects on productivity with time due to delayed soil biota effects on plants. Basic and Applied Ecology, 2012, 13, 571-578.	1.2	140
35	Multiple plant diversity components drive consumer communities across ecosystems. Nature Communications, 2019, 10, 1460.	5.8	139
36	Niche dimensionality links biodiversity and invasibility of microbial communities. Functional Ecology, 2013, 27, 282-288.	1.7	137

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37	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. Global Change Biology, 2015, 21, 4076-4085.	4.2	134
38	Using earthworms as model organisms in the laboratory: Recommendations for experimental implementations. Pedobiologia, 2010, 53, 119-125.	0.5	126
39	Intraspecific genotypic richness and relatedness predict the invasibility of microbial communities. ISME Journal, 2011, 5, 1108-1114.	4.4	124
40	Aboveground–belowground interactions as a source of complementarity effects in biodiversity experiments. Plant and Soil, 2012, 351, 1-22.	1.8	124
41	For the sake of resilience and multifunctionality, let's diversify planted forests!. Conservation Letters, 2022, 15, e12829.	2.8	124
42	SoilTemp: A global database of near–surface temperature. Global Change Biology, 2020, 26, 6616-6629.	4.2	122
43	Mechanisms linking plant community properties to soil aggregate stability in an experimental grassland plant diversity gradient. Plant and Soil, 2013, 373, 285-299.	1.8	121
44	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.	4.2	120
45	Reduced feeding activity of soil detritivores under warmer and drier conditions. Nature Climate Change, 2018, 8, 75-78.	8.1	117
46	Flooding disturbances increase resource availability and productivity but reduce stability in diverse plant communities. Nature Communications, 2015, 6, 6092.	5.8	116
47	Plant traits alone are poor predictors of ecosystem properties and long-term ecosystem functioning. Nature Ecology and Evolution, 2020, 4, 1602-1611.	3.4	114
48	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.	2.0	113
49	Global maps of soil temperature. Global Change Biology, 2022, 28, 3110-3144.	4.2	113
50	Interactive effects of warming, soil humidity and plant diversity on litter decomposition and microbial activity. Soil Biology and Biochemistry, 2011, 43, 1902-1907.	4.2	110
51	Reintroducing Environmental Change Drivers in Biodiversity–Ecosystem Functioning Research. Trends in Ecology and Evolution, 2016, 31, 905-915.	4.2	110
52	Bacterial Diversity Stabilizes Community Productivity. PLoS ONE, 2012, 7, e34517.	1.1	109
53	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.	1.1	107
54	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.	4.2	107

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55	Plant species diversity affects infiltration capacity in an experimental grassland through changes in soil properties. Plant and Soil, 2015, 397, 1-16.	1.8	105
56	Global mismatches in aboveground and belowground biodiversity. Conservation Biology, 2019, 33, 1187-1192.	2.4	103
57	Soil microbial properties and temporal stability in degraded and restored lands of Northeast Brazil. Soil Biology and Biochemistry, 2013, 66, 175-181.	4.2	102
58	Global gaps in soil biodiversity data. Nature Ecology and Evolution, 2018, 2, 1042-1043.	3.4	99
59	Towards an integrative understanding of soil biodiversity. Biological Reviews, 2020, 95, 350-364.	4.7	97
60	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. Nature Ecology and Evolution, 2019, 3, 400-406.	3.4	97
61	Diversity Promotes Temporal Stability across Levels of Ecosystem Organization in Experimental Grasslands. PLoS ONE, 2010, 5, e13382.	1.1	95
62	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. Nature Ecology and Evolution, 2017, 1, 1639-1642.	3.4	95
63	A multitrophic perspective on biodiversityâ€“ecosystem functioning research. Advances in Ecological Research, 2019, 61, 1-54.	1.4	95
64	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (<scp>CAFE</scp>) approach. Ecology Letters, 2018, 21, 167-180.	3.0	94
65	The results of biodiversityâ€“ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	3.4	93
66	A comparison of the strength of biodiversity effects across multiple functions. Oecologia, 2013, 173, 223-237.	0.9	91
67	A trait-based experimental approach to understand the mechanisms underlying biodiversityâ€“ecosystem functioning relationships. Basic and Applied Ecology, 2014, 15, 229-240.	1.2	91
68	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.	4.2	91
69	Invasive earthworms erode soil biodiversity: A metaâ€analysis. Journal of Animal Ecology, 2018, 87, 162-172.	1.3	91
70	How Do Earthworms, Soil Texture and Plant Composition Affect Infiltration along an Experimental Plant Diversity Gradient in Grassland?. PLoS ONE, 2014, 9, e98987.	1.1	91
71	Earthworms as drivers of the competition between grasses and legumes. Soil Biology and Biochemistry, 2008, 40, 2650-2659.	4.2	89
72	Plant diversity maintains longâ€term ecosystem productivity under frequent drought by increasing shortâ€term variation. Ecology, 2017, 98, 2952-2961.	1.5	89

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73	Importance of earthwormâ€“seed interactions for the composition and structure of plant communities: A review. Acta Oecologica, 2011, 37, 594-603.	0.5	88
74	Collembola species composition and diversity effects on ecosystem functioning vary with plant functional group identity. Soil Biology and Biochemistry, 2011, 43, 1697-1704.	4.2	88
75	Towards an Integration of Biodiversityâ€“Ecosystem Functioning and Food Web Theory to Evaluate Relationships between Multiple Ecosystem Services. Advances in Ecological Research, 2015, , 161-199.	1.4	87
76	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. Ecosphere, 2016, 7, e01619.	1.0	87
77	Landâ€Use Type Effects on Soil Organic Carbon and Microbial Properties in a Semiâ€arid Region of Northeast Brazil. Land Degradation and Development, 2016, 27, 171-178.	1.8	87
78	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.	0.5	86
79	Biodiversity promotes ecosystem functioning despite environmental change. Ecology Letters, 2022, 25, 555-569.	3.0	85
80	Functionally and phylogenetically diverse plant communities key to soil biota. Ecology, 2013, 94, 1878-1885.	1.5	80
81	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, 713-723.	0.9	80
82	A niche for ecosystem multifunctionality in global change research. Global Change Biology, 2019, 25, 763-774.	4.2	80
83	Shifts of community composition and population density substantially affect ecosystem function despite invariant richness. Ecology Letters, 2017, 20, 1315-1324.	3.0	79
84	Plants are less negatively affected by flooding when growing in speciesâ€rich plant communities. New Phytologist, 2017, 213, 645-656.	3.5	79
85	Plant species richness drives the density and diversity of Collembola in temperate grassland. Acta Oecologica, 2011, 37, 195-202.	0.5	78
86	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.	1.7	77
87	Plant diversity does not buffer drought effects on earlyâ€stage litter mass loss rates and microbial properties. Global Change Biology, 2013, 19, 2795-2803.	4.2	76
88	Warming alters energetic structure and function but not resilience of soil food webs. Nature Climate Change, 2017, 7, 895-900.	8.1	75
89	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	5.8	75
90	Impacts of earthworms and arbuscular mycorrhizal fungi (Glomus intraradices) on plant performance are not interrelated. Soil Biology and Biochemistry, 2009, 41, 561-567.	4.2	74

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91	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. Ecology, 2021, 102, e03332.	1.5	74
92	Earthworm and belowground competition effects on plant productivity in a plant diversity gradient. Oecologia, 2009, 161, 291-301.	0.9	73
93	Plant Diversity Impacts Decomposition and Herbivory via Changes in Aboveground Arthropods. PLoS ONE, 2014, 9, e106529.	1.1	73
94	The effects of drought and nutrient addition on soil organisms vary across taxonomic groups, but are constant across seasons. Scientific Reports, 2019, 9, 639.	1.6	72
95	Plant species richness and functional groups have different effects on soil water content in a decadeâ€long grassland experiment. Journal of Ecology, 2019, 107, 127-141.	1.9	69
96	Biodiversity enhances the multitrophic control of arthropod herbivory. Science Advances, 2020, 6, .	4.7	68
97	Direct and indirect effects of endogeic earthworms on plant seeds. Pedobiologia, 2009, 52, 151-162.	0.5	67
98	Linking direct and indirect pathways mediating earthworms, deer, and understory composition in Great Lakes forests. Biological Invasions, 2013, 15, 1057-1066.	1.2	65
99	Changes in Plant Species Richness Induce Functional Shifts in Soil Nematode Communities in Experimental Grassland. PLoS ONE, 2011, 6, e24087.	1.1	64
100	Priorities for research in soil ecology. Pedobiologia, 2017, 63, 1-7.	0.5	64
101	Soil microbial, nematode, and enzymatic responses to elevated CO2, N fertilization, warming, and reduced precipitation. Soil Biology and Biochemistry, 2019, 135, 184-193.	4.2	64
102	Decomposer diversity and identity influence plant diversity effects on ecosystem functioning. Ecology, 2012, 93, 2227-2240.	1.5	63
103	Effective Biodiversity Monitoring Needs a Culture of Integration. One Earth, 2020, 3, 462-474.	3.6	62
104	Global vulnerability of soil ecosystems to erosion. Landscape Ecology, 2020, 35, 823-842.	1.9	62
105	Invasibility of experimental grassland communities: the role of earthworms, plant functional group identity and seed size. Oikos, 2008, 117, 1026-1036.	1.2	61
106	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.	1.4	61
107	Plant community impacts on the structure of earthworm communities depend on season and change with time. Soil Biology and Biochemistry, 2009, 41, 2430-2443.	4.2	61
108	Above- and below-ground plant inputs both fuel soil food webs. Soil Biology and Biochemistry, 2012, 45, 156-160.	4.2	61

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109	Plant identity drives the expression of biocontrol factors in a rhizosphere bacterium across a plant diversity gradient. Functional Ecology, 2015, 29, 1225-1234.	1.7	61
110	Interactive effects of global warming and â€˜global wormingâ€™ on the initial establishment of native and exotic herbaceous plant species. Oikos, 2012, 121, 1121-1133.	1.2	60
111	Unravelling Linkages between Plant Community Composition and the Pathogen-Suppressive Potential of Soils. Scientific Reports, 2016, 6, 23584.	1.6	60
112	Sideâ€swiped: ecological cascades emanating from earthworm invasions. Frontiers in Ecology and the Environment, 2019, 17, 502-510.	1.9	60
113	Biodiversity effects on ecosystem functioning respond unimodally to environmental stress. Ecology Letters, 2018, 21, 1191-1199.	3.0	58
114	Earthworms as seedling predators: Importance of seeds and seedlings for earthworm nutrition. Soil Biology and Biochemistry, 2010, 42, 1245-1252.	4.2	57
115	Trophic cascades, invasive species and body-size hierarchies interactively modulate climate change responses of ecotonal temperateâ€“boreal forest. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2955-2961.	1.8	57
116	Plant diversity shapes microbeâ€rhizosphere effects on P mobilisation from organic matter in soil. Ecology Letters, 2015, 18, 1356-1365.	3.0	57
117	Soil net nitrogen mineralisation across global grasslands. Nature Communications, 2019, 10, 4981.	5.8	57
118	Plant species richness and functional traits affect community stability after a flood event. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150276.	1.8	56
119	Additive effects of experimental climate change and land use on faunal contribution to litter decomposition. Soil Biology and Biochemistry, 2019, 131, 141-148.	4.2	56
120	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.	2.1	55
121	Warming magnifies predation and reduces prey coexistence in a model litter arthropod system. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162570.	1.2	55
122	Plant diversity maintains multiple soil functions in future environments. ELife, 2018, 7, .	2.8	54
123	Synergistic effects of microbial and animal decomposers on plant and herbivore performance. Basic and Applied Ecology, 2010, 11, 23-34.	1.2	53
124	Functional composition of plant communities determines the spatial and temporal stability of soil microbial properties in a longâ€term plant diversity experiment. Oikos, 2016, 125, 1743-1754.	1.2	53
125	High functional diversity stimulates diversification in experimental microbial communities. Science Advances, 2016, 2, e1600124.	4.7	53
126	Biodiversity and species identity shape the antifungal activity of bacterial communities. Ecology, 2014, 95, 1184-1190.	1.5	52

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127	Possible mechanisms underlying abundance and diversity responses of nematode communities to plant diversity. Ecosphere, 2017, 8, e01719.	1.0	52
128	Growing Research Networks on Mycorrhizae for Mutual Benefits. Trends in Plant Science, 2018, 23, 975-984.	4.3	51
129	Transferring biodiversity-ecosystem function research to the management of â€˜real-worldâ€™ ecosystems. Advances in Ecological Research, 2019, 61, 323-356.	1.4	51
130	No interactive effects of pesticides and plant diversity on soil microbial biomass and respiration. Applied Soil Ecology, 2009, 42, 31-36.	2.1	50
131	Climate warming promotes species diversity, but with greater taxonomic redundancy, in complex environments. Science Advances, 2017, 3, e1700866.	4.7	50
132	Nitrogen deposition cancels out exotic earthworm effects on plantâ€feeding nematode communities. Journal of Animal Ecology, 2017, 86, 708-717.	1.3	49
133	Mycorrhiza in tree diversityâ€“ecosystem function relationships: conceptual framework and experimental implementation. Ecosphere, 2018, 9, e02226.	1.0	49
134	Soil chemistry turned upside down: a metaâ€analysis of invasive earthworm effects on soil chemical properties. Ecology, 2020, 101, e02936.	1.5	49
135	Expert perspectives on global biodiversity loss and its drivers and impacts on people. Frontiers in Ecology and the Environment, 2023, 21, 94-103.	1.9	49
136	Exotic Ecosystem Engineers Change the Emergence of Plants from the Seed Bank of a Deciduous Forest. Ecosystems, 2009, 12, 1008-1016.	1.6	48
137	Plant diversity induces shifts in the functional structure and diversity across trophic levels. Oikos, 2018, 127, 208-219.	1.2	48
138	Functional trait dissimilarity drives both species complementarity and competitive disparity. Functional Ecology, 2017, 31, 2320-2329.	1.7	48
139	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.	0.6	48
140	Nonlinearity of effects of invasive ecosystem engineers on abiotic soil properties and soil biota. Oikos, 2009, 118, 885-896.	1.2	47
141	Plant diversity effects on soil microorganisms: Spatial and temporal heterogeneity of plant inputs increase soil biodiversity. Pedobiologia, 2016, 59, 175-177.	0.5	47
142	Elevated CO2 and warming shift the functional composition of soil nematode communities in a semiarid grassland. Soil Biology and Biochemistry, 2016, 103, 46-51.	4.2	47
143	Forest canopy maintains the soil community composition under elevated nitrogen deposition. Soil Biology and Biochemistry, 2020, 143, 107733.	4.2	47
144	Positive relationship between herbaceous layer diversity and the performance of soil biota in a temperate forest. Soil Biology and Biochemistry, 2011, 43, 462-465.	4.2	46

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145	The wave towards a new steady state: effects of earthworm invasion on soil microbial functions. Biological Invasions, 2011, 13, 2191-2196.	1.2	46
146	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. Nature Ecology and Evolution, 2020, 4, 393-405.	3.4	45
147	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.	1.4	44
148	Plant diversity enhances the natural attenuation of polycyclic aromatic compounds (PAHs and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.2	44
149	10 Years Later. Advances in Ecological Research, 2015, 53, 1-53.	1.4	43
150	Nutrient availability controls the impact of mammalian herbivores on soil carbon and nitrogen pools in grasslands. Global Change Biology, 2020, 26, 2060-2071.	4.2	43
151	Global projections of the soil microbiome in the Anthropocene. Global Ecology and Biogeography, 2021, 30, 987-999.	2.7	43
152	Drought modulates interactions between arbuscular mycorrhizal fungal diversity and barley genotype diversity. Scientific Reports, 2019, 9, 9650.	1.6	42
153	Separating Drought Effects from Roof Artifacts on Ecosystem Processes in a Grassland Drought Experiment. PLoS ONE, 2013, 8, e70997.	1.1	42
154	Animal Ecosystem Engineers Modulate the Diversity-Invasibility Relationship. PLoS ONE, 2008, 3, e3489.	1.1	41
155	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.	4.2	41
156	Plant species richness sustains higher trophic levels of soil nematode communities after consecutive environmental perturbations. Oecologia, 2017, 184, 715-728.	0.9	41
157	Genotypic variability enhances the reproducibility of an ecological study. Nature Ecology and Evolution, 2018, 2, 279-287.	3.4	41
158	Plant diversity alters the representation of motifs in food webs. Nature Communications, 2019, 10, 1226.	5.8	41
159	Net ammonification as influenced by plant diversity in experimental grasslands. Soil Biology and Biochemistry, 2012, 48, 78-87.	4.2	40
160	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. Ecology, 2020, 101, e02905.	1.5	40
161	Above- and belowground biodiversity jointly tighten the P cycle in agricultural grasslands. Nature Communications, 2021, 12, 4431.	5.8	40
162	Plant diversity enhances the reliability of belowground processes. Soil Biology and Biochemistry, 2010, 42, 2102-2110.	4.2	39

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163	Soil bacterial diversity in degraded and restored lands of Northeast Brazil. Antonie Van Leeuwenhoek, 2014, 106, 891-899.	0.7	39
164	Fertilized graminoids intensify negative drought effects on grassland productivity. Global Change Biology, 2021, 27, 2441-2457.	4.2	39
165	Subordinate plant species moderate drought effects on earthworm communities in grasslands. Soil Biology and Biochemistry, 2016, 96, 119-127.	4.2	38
166	The significance of tree-tree interactions for forest ecosystem functioning. Basic and Applied Ecology, 2021, 55, 33-52.	1.2	38
167	Soil functional biodiversity and biological quality under threat: Intensive land use outweighs climate change. Soil Biology and Biochemistry, 2020, 147, 107847.	4.2	38
168	Effects of Plant Diversity, Functional Group Composition, and Fertilization on Soil Microbial Properties in Experimental Grassland. PLoS ONE, 2015, 10, e0125678.	1.1	37
169	Inconsistent impacts of decomposer diversity on the stability of aboveground and belowground ecosystem functions. Oecologia, 2011, 165, 403-415.	0.9	35
170	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.	1.4	35
171	Soil Surfaceâ€Active Fauna in Degraded and Restored Lands of Northeast Brazil. Land Degradation and Development, 2015, 26, 1-8.	1.8	35
172	Climate change and land use induce functional shifts in soil nematode communities. Oecologia, 2020, 192, 281-294.	0.9	35
173	Climate change effects on earthworms - a review. Soil Organisms, 2019, 91, 114-138.	2.2	35
174	Coâ€occurrence history increases ecosystem stability and resilience in experimental plant communities. Ecology, 2021, 102, e03205.	1.5	34
175	Different earthworm ecological groups interactively impact seedling establishment. European Journal of Soil Biology, 2010, 46, 330-334.	1.4	33
176	Invasive earthworms interact with abiotic conditions to influence the invasion of common buckthorn (Rhamnus cathartica). Oecologia, 2015, 178, 219-230.	0.9	33
177	Red list of a black box. Nature Ecology and Evolution, 2017, 1, 103.	3.4	33
178	From climate chambers to biodiversity chambers. Frontiers in Ecology and the Environment, 2018, 16, 136-137.	1.9	33
179	Interspecific competition alters leaf stoichiometry in 20 grassland species. Oikos, 2018, 127, 903-914.	1.2	33
180	The Dark Side of Animal Phenology. Trends in Ecology and Evolution, 2018, 33, 898-901.	4.2	33

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181	Tree species identity determines wood decomposition via microclimatic effects. Ecology and Evolution, 2019, 9, 12113-12127.	0.8	33
182	Plant species richness elicits changes in the metabolome of grassland species via soil biotic legacy. Journal of Ecology, 2019, 107, 2240-2254.	1.9	33
183	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. Global Change Biology, 2021, 27, 1387-1407.	4.2	32
184	Largeâ€scale drivers of relationships between soil microbial properties and organic carbon across Europe. Global Ecology and Biogeography, 2021, 30, 2070-2083.	2.7	32
185	Biodiversity postâ€2020: Closing the gap between global targets and nationalâ€level implementation. Conservation Letters, 2022, 15, e12848.	2.8	32
186	Herbivore behavior in the anecic earthworm species Lumbricus terrestris L.?. European Journal of Soil Biology, 2013, 55, 62-65.	1.4	31
187	Species richness promotes ecosystem carbon storage: evidence from biodiversity-ecosystem functioning experiments. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202063.	1.2	31
188	Soil arthropods beneficially rather than detrimentally impact plant performance in experimental grassland systems of different diversity. Soil Biology and Biochemistry, 2010, 42, 1418-1424.	4.2	30
189	Land-use heterogeneity by small-scale agriculture promotes amphibian diversity in montane agroforestry systems of northeast Colombia. Agriculture, Ecosystems and Environment, 2018, 264, 15-23.	2.5	30
190	Soil microarthropods alter the outcome of plant-soil feedback experiments. Scientific Reports, 2018, 8, 11898.	1.6	30
191	Evolutionary history predicts the stability of cooperation in microbial communities. Nature Communications, 2013, 4, 2573.	5.8	29
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