

Stefan Scheu

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.

436
papers

22,984
citations

78
h-index

128
g-index

468
ext. papers

26,981
ext. citations

5.2
avg, IF

7.09
L-index

#	Paper	IF	Citations
436	Feeding habits and multifunctional classification of soil-associated consumers from protists to vertebrates.. <i>Biological Reviews</i> , 2022 ,	13.5	7
435	Trophic niche but not abundance of Collembola and Oribatida changes with drought and farming system.. <i>PeerJ</i> , 2022 , 10, e12777	3.1	0
434	Drivers of Collembola assemblages along an altitudinal gradient in northeast China.. <i>Ecology and Evolution</i> , 2022 , 12, e8559	2.8	1
433	Spatial and temporal variations in salt marsh microorganisms of the Wadden Sea.. <i>Ecology and Evolution</i> , 2022 , 12, e8767	2.8	0
432	Ectomycorrhizal fungus supports endogenous rhythmic growth and corresponding resource allocation in oak during various below- and aboveground biotic interactions. <i>Scientific Reports</i> , 2021 , 11, 23680	4.9	2
431	Stable isotopes of amino acids indicate that soil decomposer microarthropods predominantly feed on saprotrophic fungi. <i>Ecosphere</i> , 2021 , 12, e03425	3.1	9
430	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
429	Oribatid mite communities in mountain scree: stable isotopes (N, C) reveal three trophic levels of exclusively sexual species. <i>Experimental and Applied Acarology</i> , 2021 , 83, 375-386	2.1	1
428	The Impact of Root-Derived Resources on Forest Soil Invertebrates Depends on Body Size and Trophic Position. <i>Frontiers in Forests and Global Change</i> , 2021 , 4,	3.7	4
427	Trophic niche differentiation and utilisation of food resources in Collembola is altered by rainforest conversion to plantation systems. <i>PeerJ</i> , 2021 , 9, e10971	3.1	5
426	Changes in diversity and community assembly of jumping spiders (Araneae: Salticidae) after rainforest conversion to rubber and oil palm plantations. <i>PeerJ</i> , 2021 , 9, e11012	3.1	2
425	Response of soil microbial communities to mixed beech-conifer forests varies with site conditions. <i>Soil Biology and Biochemistry</i> , 2021 , 155, 108155	7.5	2
424	Oil palm and rubber expansion facilitates earthworm invasion in Indonesia. <i>Biological Invasions</i> , 2021 , 23, 2783-2795	2.7	2
423	Diversity and functional structure of soil animal communities suggest soil animal food webs to be buffered against changes in forest land use. <i>Oecologia</i> , 2021 , 196, 195-209	2.9	3
422	Variation in Community-Level Trophic Niches of Soil Microarthropods With Conversion of Tropical Rainforest Into Plantation Systems as Indicated by Stable Isotopes (15N, 13C). <i>Frontiers in Ecology and Evolution</i> , 2021 , 9,	3.7	4
421	An interdisciplinary framework to describe and evaluate the functioning of forest ecosystems. <i>Basic and Applied Ecology</i> , 2021 , 52, 1-14	3.2	4
420	Soil microarthropods respond differently to simulated drought in organic and conventional farming systems. <i>Ecology and Evolution</i> , 2021 , 11, 10369-10380	2.8	3

4 ¹⁹	Conversion of rainforest into oil palm and rubber plantations affects the functional composition of litter and soil Collembola. <i>Ecology and Evolution</i> , 2021 , 11, 10686-10708	2.8	0
4 ¹⁸	Repeated convergent evolution of parthenogenesis in Acariformes (Acari). <i>Ecology and Evolution</i> , 2021 , 11, 321-337	2.8	2
4 ¹⁷	Plant diversity enhances production and downward transport of biodegradable dissolved organic matter. <i>Journal of Ecology</i> , 2021 , 109, 1284-1297	6	3
4 ¹⁶	Leaf litter identity rather than diversity shapes microbial functions and microarthropod abundance in tropical montane rainforests. <i>Ecology and Evolution</i> , 2021 , 11, 2360-2374	2.8	3
4 ¹⁵	Rainforest conversion to monocultures favors generalist ants with large colonies. <i>Ecosphere</i> , 2021 , 12, e03717	3.1	0
4 ¹⁴	Legacy effects of temporary grassland in annual crop rotation on soil ecosystem services. <i>Science of the Total Environment</i> , 2021 , 780, 146140	10.2	4
4 ¹³	Functional trait dimensions of trophic metacommunities. <i>Ecography</i> , 2021 , 44, 1486-1500	6.5	3
4 ¹²	Haplotype divergence supports long-term asexuality in the oribatid mite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
4 ¹¹	Nitrogen addition and plant functional type independently modify soil mesofauna effects on litter decomposition. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108340	7.5	3
4 ¹⁰	The flux of root-derived carbon via fungi and bacteria into soil microarthropods (Collembola) differs markedly between cropping systems. <i>Soil Biology and Biochemistry</i> , 2021 , 160, 108336	7.5	4
4 ⁰⁹	Biodiversity and ecosystem functions depend on environmental conditions and resources rather than the geodiversity of a tropical biodiversity hotspot.. <i>Scientific Reports</i> , 2021 , 11, 24530	4.9	2
4 ⁰⁸	Conventional agriculture and not drought alters relationships between soil biota and functions.. <i>Scientific Reports</i> , 2021 , 11, 23975	4.9	2
4 ⁰⁷	Does metal pollution affect the stoichiometry of soil-litter food webs?. <i>Pedobiologia</i> , 2020 , 80, 150649	1.7	1
4 ⁰⁶	The physical structure of soil: Determinant and consequence of trophic interactions. <i>Soil Biology and Biochemistry</i> , 2020 , 148, 107876	7.5	4 ⁸
4 ⁰⁵	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
4 ⁰⁴	Changes in diversity and body size of Onychiurinae (Collembola: Onychiuridae) along an altitudinal gradient in Changbai Mountain, China. <i>Soil Ecology Letters</i> , 2020 , 2, 230-239	2.7	3
4 ⁰³	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , 2020 , 7, 103	8.2	22
4 ⁰²	Trade-offs between multifunctionality and profit in tropical smallholder landscapes. <i>Nature Communications</i> , 2020 , 11, 1186	17.4	52

401	Trophic level and basal resource use of soil animals are hardly affected by local plant associations in abandoned arable land. <i>Ecology and Evolution</i> , 2020 , 10, 8279-8288	2.8	
400	Incorporation of root-derived carbon into soil microarthropods varies between cropping systems. <i>Biology and Fertility of Soils</i> , 2020 , 56, 839-851	6.1	12
399	Decomposition of leaf litter mixtures across biomes: The role of litter identity, diversity and soil fauna. <i>Journal of Ecology</i> , 2020 , 108, 2283-2297	6	17
398	Aboveground soil supports high levels of biological activity in oil palm plantations. <i>Frontiers in Ecology and the Environment</i> , 2020 , 18, 181-187	5.5	3
397	The complete mitochondrial genome of an enigmatic predaceous springtail from northeast China. <i>Mitochondrial DNA Part B: Resources</i> , 2020 , 5, 506-508	0.5	
396	Biodiversity increases multitrophic energy use efficiency, flow and storage in grasslands. <i>Nature Ecology and Evolution</i> , 2020 , 4, 393-405	12.3	18
395	Spiders in rice-paddy ecosystems shift from aquatic to terrestrial prey and use carbon pools of different origin. <i>Oecologia</i> , 2020 , 192, 801-812	2.9	5
394	Variation in trophic niches of oribatid mites in temperate forest ecosystems as indicated by neutral lipid fatty acid patterns. <i>Experimental and Applied Acarology</i> , 2020 , 81, 103-115	2.1	5
393	Diversity of butterflies (Lepidoptera) across rainforest transformation systems in Jambi, Sumatra, Indonesia. <i>Biodiversitas</i> , 2020 , 21,	1.5	2
392	A new species of the genus <i>Lasioseius</i> (Acari: Blattisociidae) inhabiting litter of secondary rainforest in Sumatra, Indonesia. <i>Acarologia</i> , 2020 , 60, 338-352	0.7	1
391	Review of the mite genus <i>Datta & Bhattacharjee</i> (Mesostigmata, Parholaspididae) with re-description of comb. nov. (<i>Ishikawa</i>) from Indonesia. <i>ZooKeys</i> , 2020 , 997, 47-68	1.2	1
390	Protists and collembolans alter microbial community composition, C dynamics and soil aggregation in simplified consumer-prey systems. <i>Biogeosciences</i> , 2020 , 17, 4961-4980	4.6	7
389	Genome Evolution of Asexual Organisms and the Paradox of Sex in Eukaryotes 2020 , 133-167		2
388	Response of Collembola to the addition of nutrients along an altitudinal gradient of tropical montane rainforests. <i>Applied Soil Ecology</i> , 2020 , 147, 103382	5	6
387	Field exclusion of large soil predators impacts lower trophic levels and decreases leaf-litter decomposition in dry forests. <i>Journal of Animal Ecology</i> , 2020 , 89, 334-346	4.7	8
386	Litter C transformations of invasive <i>Spartina alterniflora</i> affected by litter type and soil source. <i>Biology and Fertility of Soils</i> , 2020 , 56, 369-379	6.1	6
385	Functional losses in ground spider communities due to habitat structure degradation under tropical land-use change. <i>Ecology</i> , 2020 , 101, e02957	4.6	13
384	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

383	Isotope analyses of amino acids in fungi and fungal feeding Diptera larvae allow differentiating ectomycorrhizal and saprotrophic fungi-based food chains. <i>Functional Ecology</i> , 2020 , 34, 2375-2388	5.6	5
382	Different groups of ground-dwelling spiders share similar trophic niches in temperate forests. <i>Ecological Entomology</i> , 2020 , 45, 1346-1356	2.1	6
381	Conversion of Andean montane forests into plantations: Effects on soil characteristics, microorganisms, and microarthropods. <i>Biotropica</i> , 2020 , 52, 1142-1154	2.3	4
380	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
379	Food Spectrum and Habitat-Specific Diets of Benthic Foraminifera From the Wadden Sea [A Fatty Acid Biomarker Approach. <i>Frontiers in Marine Science</i> , 2020 , 7,	4.5	8
378	Characteristics and origin of intact polar lipids in soil organic matter. <i>Soil Biology and Biochemistry</i> , 2020 , 151, 108045	7.5	6
377	The results of biodiversity-ecosystem functioning experiments are realistic. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1485-1494	12.3	31
376	Impacts of core rotation, defaunation and nitrogen addition on arbuscular mycorrhizal fungi, microorganisms and microarthropods in a tropical montane rainforest. <i>Tropical Ecology</i> , 2019 , 60, 350-361 ¹³	4.3	5
375	Combining bulk and amino acid stable isotope analyses to quantify trophic level and basal resources of detritivores: a case study on earthworms. <i>Oecologia</i> , 2019 , 189, 447-460	2.9	20
374	Parthenogenetic . sexual reproduction in oribatid mite communities. <i>Ecology and Evolution</i> , 2019 , 9, 7324-7332 ¹⁴	4.8	14
373	Compound-specific isotope analysis of amino acids as a new tool to uncover trophic chains in soil food webs. <i>Ecological Monographs</i> , 2019 , 89, e01384	9	19
372	Linking size spectrum, energy flux and trophic multifunctionality in soil food webs of tropical land-use systems. <i>Journal of Animal Ecology</i> , 2019 , 88, 1845-1859	4.7	30
371	Expanding the toolbox of nutrient limitation studies: A novel method of soil microbial in-growth bags to evaluate nutrient demands in tropical forests. <i>Functional Ecology</i> , 2019 , 33, 1536-1548	5.6	1
370	Protura are unique: first evidence of specialized feeding on ectomycorrhizal fungi in soil invertebrates. <i>BMC Ecology</i> , 2019 , 19, 10	2.7	15
369	Deprivation of root-derived resources affects microbial biomass but not community structure in litter and soil. <i>PLoS ONE</i> , 2019 , 14, e0214233	3.7	6
368	Earthworms modify soil bacterial and fungal communities through enhancing aggregation and buffering pH. <i>Geoderma</i> , 2019 , 347, 59-69	6.7	25
367	Collembola interact with mycorrhizal fungi in modifying oak morphology, C and N incorporation and transcriptomics. <i>Royal Society Open Science</i> , 2019 , 6, 181869	3.3	4
366	No signal of deleterious mutation accumulation in conserved gene sequences of extant asexual hexapods. <i>Scientific Reports</i> , 2019 , 9, 5338	4.9	2

365	Trophic consistency of supraspecific taxa in below-ground invertebrate communities: Comparison across lineages and taxonomic ranks. <i>Functional Ecology</i> , 2019 , 33, 1172-1183	5.6	17
364	Changes in Trophic Groups of Protists With Conversion of Rainforest Into Rubber and Oil Palm Plantations. <i>Frontiers in Microbiology</i> , 2019 , 10, 240	5.7	23
363	Trophic Position of Consumers and Size Structure of Food Webs across Aquatic and Terrestrial Ecosystems. <i>American Naturalist</i> , 2019 , 194, 823-839	3.7	36
362	Conversion of rainforest to oil palm and rubber plantations alters energy channels in soil food webs. <i>Ecology and Evolution</i> , 2019 , 9, 9027-9039	2.8	11
361	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
360	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , 2019 , 572, 194-198	9.4	305
359	Effects of root and leaf litter identity and diversity on oribatid mite abundance, species richness and community composition. <i>PLoS ONE</i> , 2019 , 14, e0219166	3.7	2
358	Shift in trophic niches of soil microarthropods with conversion of tropical rainforest into plantations as indicated by stable isotopes (¹⁵ N, ¹³ C). <i>PLoS ONE</i> , 2019 , 14, e0224520	3.7	10
357	Reducing Fertilizer and Avoiding Herbicides in Oil Palm Plantations: Ecological and Economic Valuations. <i>Frontiers in Forests and Global Change</i> , 2019 , 2,	3.7	34
356	Review of the mite genus (Acari, Laelapidae) and redescription of Berlese. <i>ZooKeys</i> , 2019 , 853, 1-36	1.2	2
355	Contribution to the knowledge of the oribatid mite genus <i>Kalloia</i> (Acari, Oribatida, Carabodidae), with description of a new species from Indonesia. <i>Acarologia</i> , 2019 , 59, 323-334	0.7	
354	Roots, mycorrhizal fungi and altitude as determinants of litter decomposition and soil animal communities in tropical montane rainforests. <i>Plant and Soil</i> , 2019 , 438, 1-18	4.2	11
353	Changes in Nematode Communities and Functional Diversity With the Conversion of Rainforest Into Rubber and Oil Palm Plantations. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	8
352	Leaf litter species identity influences biochemical composition of ectomycorrhizal fungi. <i>Mycorrhiza</i> , 2019 , 29, 85-96	3.9	5
351	Cryptic niche differentiation in West African savannah termites as indicated by stable isotopes. <i>Ecological Entomology</i> , 2019 , 44, 190-196	2.1	4
350	Phylogenomics from low-coverage whole-genome sequencing. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 507-517	7.7	17
349	The role of invasive marine plants for macrofauna nutrition in the Wadden Sea. <i>Journal of Experimental Marine Biology and Ecology</i> , 2019 , 512, 1-11	2.1	2
348	Micro-decomposer communities and decomposition processes in tropical lowlands as affected by land use and litter type. <i>Oecologia</i> , 2018 , 187, 255-266	2.9	15

347	Structural and functional characteristics of high alpine soil macro-invertebrate communities. <i>European Journal of Soil Biology</i> , 2018 , 86, 72-80	2.9	8
346	Cryptic species in <i>Lepidocyrtus lanuginosus</i> (Collembola: Entomobryidae) are sorted by habitat type. <i>Pedobiologia</i> , 2018 , 68, 12-19	1.7	5
345	Response of oribatid mites to reforestation of degraded tropical montane pastureland. <i>European Journal of Soil Biology</i> , 2018 , 84, 35-41	2.9	3
344	Genotypic variability enhances the reproducibility of an ecological study. <i>Nature Ecology and Evolution</i> , 2018 , 2, 279-287	12.3	30
343	Evaluation of Morphological Characteristics to Delineate Taxa of the Genus <i>Trigonopyxis</i> (Amoebozoa, Arcellinida). <i>Protist</i> , 2018 , 169, 190-205	2.5	2
342	Earthworms differentially modify the microbiome of arable soils varying in residue management. <i>Soil Biology and Biochemistry</i> , 2018 , 121, 120-129	7.5	25
341	Carbon budgets of top- and subsoil food webs in an arable system. <i>Pedobiologia</i> , 2018 , 69, 29-33	1.7	6
340	Effects of storage and handling on neutral lipid fatty acid profiles of two woodlice (Isopoda, Crustacea) species differing in size. <i>Applied Soil Ecology</i> , 2018 , 130, 178-184	5	2
339	Altitude and decomposition stage rather than litter origin structure soil microarthropod communities in tropical montane rainforests. <i>Soil Biology and Biochemistry</i> , 2018 , 125, 263-274	7.5	23
338	Design and Manual to Construct Rainout-Shelters for Climate Change Experiments in Agroecosystems. <i>Frontiers in Environmental Science</i> , 2018 , 6,	4.8	23
337	Effects of reduced precipitation on litter decomposition in an evergreen broad-leaved forest in western China. <i>Forest Ecology and Management</i> , 2018 , 430, 219-227	3.9	11
336	Carbon costs and benefits of Indonesian rainforest conversion to plantations. <i>Nature Communications</i> , 2018 , 9, 2388	17.4	73
335	Uncovering trophic positions and food resources of soil animals using bulk natural stable isotope composition. <i>Biological Reviews</i> , 2018 , 94, 37	13.5	75
334	Biodiversity-multifunctionality relationships depend on identity and number of measured functions. <i>Nature Ecology and Evolution</i> , 2018 , 2, 44-49	12.3	85
333	Testing the validity of functional response models using molecular gut content analysis for prey choice in soil predators. <i>Oikos</i> , 2018 , 127, 915-926	4	17
332	Seasonal dynamics and changing sea level as determinants of the community and trophic structure of oribatid mites in a salt marsh of the Wadden Sea. <i>PLoS ONE</i> , 2018 , 13, e0207141	3.7	5
331	Applying generalized allometric regressions to predict live body mass of tropical and temperate arthropods. <i>Ecology and Evolution</i> , 2018 , 8, 12737-12749	2.8	14
330	Decomposer diversity increases biomass production and shifts aboveground-belowground biomass allocation of common wheat. <i>Scientific Reports</i> , 2018 , 8, 17894	4.9	5

329	Interactions of Mycorrhiza and Protists in the Rhizosphere Systemically Alter Microbial Community Composition, Plant Shoot-to-Root Ratio and Within-Root System Nitrogen Allocation. <i>Frontiers in Environmental Science</i> , 2018 , 6,	4.8	21
328	Response of Collembola and Acari communities to summer flooding in a grassland plant diversity experiment. <i>PLoS ONE</i> , 2018 , 13, e0202862	3.7	7
327	Phylogenetic and trophic determinants of gut microbiota in soil oribatid mites. <i>Soil Biology and Biochemistry</i> , 2018 , 123, 155-164	7.5	8
326	Land-use type and intensity differentially filter traits in above- and below-ground arthropod communities. <i>Journal of Animal Ecology</i> , 2017 , 86, 511-520	4.7	36
325	Root biomass and exudates link plant diversity with soil bacterial and fungal biomass. <i>Scientific Reports</i> , 2017 , 7, 44641	4.9	176
324	Decreasing Stoichiometric Resource Quality Drives Compensatory Feeding across Trophic Levels in Tropical Litter Invertebrate Communities. <i>American Naturalist</i> , 2017 , 190, 131-143	3.7	28
323	Priorities for research in soil ecology. <i>Pedobiologia</i> , 2017 , 63, 1-7	1.7	44
322	Leaf Litter Chemistry Drives the Structure and Composition of Soil Testate Amoeba Communities in a Tropical Montane Rainforest of the Ecuadorian Andes. <i>Microbial Ecology</i> , 2017 , 74, 681-690	4.4	12
321	Diversity and distribution of soil micro-invertebrates across an altitudinal gradient in a tropical montane rainforest of Ecuador, with focus on free-living nematodes. <i>Pedobiologia</i> , 2017 , 62, 28-35	1.7	19
320	Possible mechanisms underlying abundance and diversity responses of nematode communities to plant diversity. <i>Ecosphere</i> , 2017 , 8, e01719	3.1	34
319	Driving factors and temporal fluctuation of Collembola communities and reproductive mode across forest types and regions. <i>Ecology and Evolution</i> , 2017 , 7, 4390-4403	2.8	19
318	Complex effects of precipitation and basal resources on the trophic ecology of soil oribatid mites: Implications for stable isotope analysis. <i>European Journal of Soil Biology</i> , 2017 , 82, 98-107	2.9	7
317	Multitrophic interactions in the rhizosphere of a temperate forest tree affect plant carbon flow into the belowground food web. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 526-536	7.5	23
316	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
315	Effective purifying selection in ancient asexual oribatid mites. <i>Nature Communications</i> , 2017 , 8, 873	17.4	17
314	Neutral lipid fatty acid composition as trait and constraint in Collembola evolution. <i>Ecology and Evolution</i> , 2017 , 7, 9624-9638	2.8	10
313	Disentangling the root- and detritus-based food chain in the micro-food web of an arable soil by plant removal. <i>PLoS ONE</i> , 2017 , 12, e0180264	3.7	13
312	The structure of salt marsh soil mesofauna food webs - The prevalence of disturbance. <i>PLoS ONE</i> , 2017 , 12, e0189645	3.7	13

311	Trophic niches, diversity and community composition of invertebrate top predators (Chilopoda) as affected by conversion of tropical lowland rainforest in Sumatra (Indonesia). <i>PLoS ONE</i> , 2017 , 12, e0180915	3.7	29
310	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
309	The tree species matters: Belowground carbon input and utilization in the myco-rhizosphere. <i>European Journal of Soil Biology</i> , 2017 , 81, 100-107	2.9	11
308	Leaf and root litter decomposition is discontinued at high altitude tropical montane rainforests contributing to carbon sequestration. <i>Ecology and Evolution</i> , 2017 , 7, 6432-6443	2.8	22
307	Spatial plant resource acquisition traits explain plant community effects on soil microbial properties. <i>Pedobiologia</i> , 2017 , 65, 50-57	1.7	11
306	Beech trees fuel soil animal food webs via root-derived nitrogen. <i>Basic and Applied Ecology</i> , 2017 , 22, 28-35	3.2	9
305	<i>Agraphorura xuae</i> sp. nov., the First Record of Onychiuridae (Collembola) from Continental Ecuador, with a Key to the Known Species of the Genus. <i>Annales Zoologici</i> , 2017 , 67, 253-259	0.6	2
304	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
303	Mineralisation of C-labelled polystyrene plastics by <i>Penicillium variabile</i> after ozonation pre-treatment. <i>New Biotechnology</i> , 2017 , 38, 101-105	6.4	46
302	Genetic structure and distribution of <i>Parisotoma notabilis</i> (Collembola) in Europe: Cryptic diversity, split of lineages and colonization patterns. <i>PLoS ONE</i> , 2017 , 12, e0170909	3.7	11
301	Root-derived carbon and nitrogen from beech and ash trees differentially fuel soil animal food webs of deciduous forests. <i>PLoS ONE</i> , 2017 , 12, e0189502	3.7	13
300	Small but active pool size does not matter for carbon incorporation in below-ground food webs. <i>Functional Ecology</i> , 2016 , 30, 479-489	5.6	60
299	Reliability of isotopic fractionation ($\delta^{15}\text{N}$, $\delta^{13}\text{C}$) for the delimitation of trophic levels of oribatid mites: Diet strongly affects $\delta^{13}\text{C}$ but not $\delta^{15}\text{N}$. <i>Soil Biology and Biochemistry</i> , 2016 , 101, 124-129	7.5	15
298	Understanding earthworm-Collembola interactions and their importance for ecosystem processes needs consideration of species identity. <i>European Journal of Soil Biology</i> , 2016 , 77, 60-67	2.9	11
297	Land-use choices follow profitability at the expense of ecological functions in Indonesian smallholder landscapes. <i>Nature Communications</i> , 2016 , 7, 13137	17.4	116
296	Convergent evolution of aquatic life by sexual and parthenogenetic oribatid mites. <i>Experimental and Applied Acarology</i> , 2016 , 70, 439-453	2.1	12
295	Incorporation of root C and fertilizer N into the food web of an arable field: Variations with functional group and energy channel. <i>Food Webs</i> , 2016 , 9, 39-45	1.8	11
294	Temporal fluctuations in oribatid mites indicate that density-independent factors favour parthenogenetic reproduction. <i>Experimental and Applied Acarology</i> , 2016 , 68, 387-407	2.1	10

293	Drivers of nitrogen leaching from organic layers in Central European beech forests. <i>Plant and Soil</i> , 2016 , 403, 343-360	4.2	5
292	No Accumulation of Transposable Elements in Asexual Arthropods. <i>Molecular Biology and Evolution</i> , 2016 , 33, 697-706	8.3	44
291	Carbon transfer from maize roots and litter into bacteria and fungi depends on soil depth and time. <i>Soil Biology and Biochemistry</i> , 2016 , 93, 79-89	7.5	53
290	Changes in Structure and Functioning of Protist (Testate Amoebae) Communities Due to Conversion of Lowland Rainforest into Rubber and Oil Palm Plantations. <i>PLoS ONE</i> , 2016 , 11, e0160179	3.7	21
289	Flood-Induced Changes in Soil Microbial Functions as Modified by Plant Diversity. <i>PLoS ONE</i> , 2016 , 11, e0166349	3.7	18
288	Systemic enrichment of antifungal traits in the rhizosphere microbiome after pathogen attack. <i>Journal of Ecology</i> , 2016 , 104, 1566-1575	6	40
287	Functional composition of plant communities determines the spatial and temporal stability of soil microbial properties in a long-term plant diversity experiment. <i>Oikos</i> , 2016 , 125, 1743-1754	4	39
286	Mechanisms behind plant diversity effects on inorganic and organic N leaching from temperate grassland. <i>Biogeochemistry</i> , 2016 , 131, 339-353	3.8	19
285	High functional diversity stimulates diversification in experimental microbial communities. <i>Science Advances</i> , 2016 , 2, e1600124	14.3	34
284	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
283	Ecological and socio-economic functions across tropical land use systems after rainforest conversion. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	143
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281	Phylogeny and species delineation in European species of the genus <i>Steganacarus</i> (Acari, Oribatida) using mitochondrial and nuclear markers. <i>Experimental and Applied Acarology</i> , 2015 , 66, 173-86	2.1	6
280	Bacterial diversity amplifies nutrient-based plant-soil feedbacks. <i>Functional Ecology</i> , 2015 , 29, 1341-1349	5.6	47
279	Environmental filtering vs. resource-based niche partitioning in diverse soil animal assemblages. <i>Soil Biology and Biochemistry</i> , 2015 , 85, 145-152	7.5	29
278	Plant diversity increases soil microbial activity and soil carbon storage. <i>Nature Communications</i> , 2015 , 6, 6707	17.4	575
277	Temporal dynamics and variation with forest type of phospholipid fatty acids in litter and soil of temperate forests across regions. <i>Soil Biology and Biochemistry</i> , 2015 , 91, 248-257	7.5	24
276	Roots rather than shoot residues drive soil arthropod communities of arable fields. <i>Oecologia</i> , 2015 , 179, 1135-45	2.9	24

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274	The role of shoot residues vs. crop species for soil arthropod diversity and abundance of arable systems. <i>Soil Biology and Biochemistry</i> , 2015 , 81, 81-88	7.5	19
273	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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270	Impact of tropical lowland rainforest conversion into rubber and oil palm plantations on soil microbial communities. <i>Biology and Fertility of Soils</i> , 2015 , 51, 697-705	6.1	81
269	Oribatid mite communities on the bark of dead wood vary with log type, surrounding forest and regional factors. <i>Applied Soil Ecology</i> , 2015 , 89, 102-112	5	24
268	Trophic niche differentiation and utilisation of food resources in collembolans based on complementary analyses of fatty acids and stable isotopes. <i>Soil Biology and Biochemistry</i> , 2015 , 82, 28-35	7.5	33
267	Plant identity drives the expression of biocontrol factors in a rhizosphere bacterium across a plant diversity gradient. <i>Functional Ecology</i> , 2015 , 29, 1225-1234	5.6	40
266	Nematode functional guilds, not trophic groups, reflect shifts in soil food webs and processes in response to interacting global change factors. <i>Pedobiologia</i> , 2015 , 58, 23-32	1.7	58
265	Plant species diversity affects infiltration capacity in an experimental grassland through changes in soil properties. <i>Plant and Soil</i> , 2015 , 397, 1-16	4.2	67
264	Effects of plant diversity, functional group composition, and fertilization on soil microbial properties in experimental grassland. <i>PLoS ONE</i> , 2015 , 10, e0125678	3.7	25
263	Variations in prey consumption of centipede predators in forest soils as indicated by molecular gut content analysis. <i>Oikos</i> , 2014 , 123, 1192-1198	4	31
262	Shifts in trophic interactions with forest type in soil generalist predators as indicated by complementary analyses of fatty acids and stable isotopes. <i>Oikos</i> , 2014 , 123, 1182-1191	4	23
261	Carbon and nitrogen fluxes between beech and their ectomycorrhizal assemblage. <i>Mycorrhiza</i> , 2014 , 24, 645-50	3.9	22
260	Incorporation of ¹³ C labelled glucose into soil microorganisms of grassland: Effects of fertilizer addition and plant functional group composition. <i>Soil Biology and Biochemistry</i> , 2014 , 69, 38-45	7.5	26
259	Consequences of biodiversity loss for litter decomposition across biomes. <i>Nature</i> , 2014 , 509, 218-21	50.4	447
258	Free-living nematodes as prey for higher trophic levels of forest soil food webs. <i>Oikos</i> , 2014 , 123, 1199-1211	12.1	44

257	Biodiversity and species identity shape the antifungal activity of bacterial communities. <i>Ecology</i> , 2014 , 95, 1184-90	4.6	37
256	Lack of energetic equivalence in forest soil invertebrates. <i>Ecology</i> , 2014 , 95, 527-37	4.6	33
255	Into darkness: unravelling the structure of soil food webs. <i>Oikos</i> , 2014 , 123, 1153-1156	4	31
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253	Litter mixture effects on decomposition in tropical montane rainforests vary strongly with time and turn negative at later stages of decay. <i>Soil Biology and Biochemistry</i> , 2014 , 77, 121-128	7.5	34
252	Unifying elemental stoichiometry and metabolic theory in predicting species abundances. <i>Ecology Letters</i> , 2014 , 17, 1247-56	10	25
251	Nematode consumption by mite communities varies in different forest microhabitats as indicated by molecular gut content analysis. <i>Experimental and Applied Acarology</i> , 2014 , 64, 49-60	2.1	13
250	Climate change triggers effects of fungal pathogens and insect herbivores on litter decomposition. <i>Acta Oecologica</i> , 2014 , 60, 49-56	1.7	10
249	Carbon food resources of earthworms of different ecological groups as indicated by ¹³ C compound-specific stable isotope analysis. <i>Soil Biology and Biochemistry</i> , 2014 , 77, 22-30	7.5	27
248	Biotic and abiotic properties mediating plant diversity effects on soil microbial communities in an experimental grassland. <i>PLoS ONE</i> , 2014 , 9, e96182	3.7	136
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246	Fertilizer addition lessens the flux of microbial carbon to higher trophic levels in soil food webs of grassland. <i>Oecologia</i> , 2014 , 176, 487-96	2.9	13
245	Moderate changes in nutrient input alter tropical microbial and protist communities and belowground linkages. <i>ISME Journal</i> , 2014 , 8, 1126-34	11.9	46
244	Trophic shift of soil animal species with forest type as indicated by stable isotope analysis. <i>Oikos</i> , 2014 , 123, 1173-1181	4	41
243	Corrigendum to Schneider, Scheu & Brose (2012) DOI: 10.1111/j.1461-0248.2012.01750.x. <i>Ecology Letters</i> , 2014 , 17, 1339-1340	10	2
242	Effects of environmental warming and drought on size-structured soil food webs. <i>Oikos</i> , 2014 , 123, 1224-1233	4	40
241	Litter elemental stoichiometry and biomass densities of forest soil invertebrates. <i>Oikos</i> , 2014 , 123, 1212-1223	4	42
240	How do earthworms, soil texture and plant composition affect infiltration along an experimental plant diversity gradient in grassland?. <i>PLoS ONE</i> , 2014 , 9, e98987	3.7	66

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126	Efficiency of two widespread non-destructive extraction methods under dry soil conditions for different ecological earthworm groups. <i>European Journal of Soil Biology</i> , 2008 , 44, 141-145	2.9	50
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122	Decomposition and colonization by micro-arthropods of two litter types in a tropical montane rain forest in southern Ecuador. <i>Journal of Tropical Ecology</i> , 2008 , 24, 157-167	1.3	32
121	Animal ecosystem engineers modulate the diversity-invasibility relationship. <i>PLoS ONE</i> , 2008 , 3, e3489	3.7	38
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1	Response of soil microbial communities to mixed forests of European beech and conifers: Variations with site conditions		1