

# Stefan Geisen

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7532473/stefan-geisen-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

102  
papers

3,872  
citations

34  
h-index

60  
g-index

113  
ext. papers

5,923  
ext. citations

8.2  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
102	Feeding habits and multifunctional classification of soil-associated consumers from protists to vertebrates.. <i>Biological Reviews</i> , <b>2022</b> ,	13.5	7
101	Contribution of soil algae to the global carbon cycle.. <i>New Phytologist</i> , <b>2022</b> ,	9.8	4
100	Arbuscular mycorrhizal inoculation and plant response strongly shape bacterial and eukaryotic soil community trajectories. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 165, 108524	7.5	0
99	Towards revealing the global diversity and community assembly of soil eukaryotes. <i>Ecology Letters</i> , <b>2022</b> , 25, 65-76	10	2
98	Nematode-based indices in soil ecology: Application, utility, and future directions. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108640	7.5	0
97	Pedogenesis shapes predator-prey relationships within soil microbiomes.. <i>Science of the Total Environment</i> , <b>2022</b> , 828, 154405	10.2	0
96	Five Groups in the Genus <i>Allovalkhampfia</i> and the Description of the New Species <i>Vahlkampfia bulbosis</i> n.sp.. <i>Protist</i> , <b>2022</b> , 173, 125870	2.5	
95	Nematode Predation and Competitive Interactions Affect Microbe-Mediated Phosphorus Dynamics.. <i>MBio</i> , <b>2022</b> , e0329321	7.8	0
94	Microbial-Baunal Interactions in the Rhizosphere. <i>Rhizosphere Biology</i> , <b>2021</b> , 237-253	0.8	2
93	Protists as main indicators and determinants of plant performance. <i>Microbiome</i> , <b>2021</b> , 9, 64	16.6	15
92	Agricultural habitats are dominated by rapidly evolving nematodes revealed through phylogenetic comparative methods. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 155, 108183	7.5	2
91	Distinct Resistomes and Microbial Communities of Soils, Wastewater Treatment Plants and Households Suggest Development of Antibiotic Resistances Due to Distinct Environmental Conditions in Each Environment. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	2
90	A global overview of the trophic structure within microbiomes across ecosystems. <i>Environment International</i> , <b>2021</b> , 151, 106438	12.9	12
89	Ecosystem coupling: A unifying framework to understand the functioning and recovery of ecosystems. <i>One Earth</i> , <b>2021</b> , 4, 951-966	8.1	6
88	Inventory of the benthic eukaryotic diversity in the oldest European lake. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 11207-11215	2.8	0
87	pr2-primers: An 18S rRNA primer database for protists. <i>Molecular Ecology Resources</i> , <b>2021</b> ,	8.4	7
86	Protists as catalyzers of microbial litter breakdown and carbon cycling at different temperature regimes. <i>ISME Journal</i> , <b>2021</b> , 15, 618-621	11.9	15

85	Resilience of rhizosphere microbial predators and their prey communities after an extreme heat event. <i>Functional Ecology</i> , <b>2021</b> , 35, 216-225	5.6	2
84	Metagenomic assessment of the global diversity and distribution of bacteria and fungi. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 316-326	5.2	9
83	Nematodes as Drivers of Plant Performance in Natural Systems. <i>Trends in Plant Science</i> , <b>2021</b> , 26, 237-247	13.1	25
82	Protist taxonomic and functional diversity in soil, freshwater and marine ecosystems. <i>Environment International</i> , <b>2021</b> , 146, 106262	12.9	26
81	Fungal root endophytes influence plants in a species-specific manner that depends on plant's growth stage. <i>Journal of Ecology</i> , <b>2021</b> , 109, 1618-1632	6	0
80	Herbicide Selection Promotes Antibiotic Resistance in Soil Microbiomes. <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 2337-2350	8.3	18
79	Faster recovery of soil biodiversity in native species mixture than in Eucalyptus monoculture after 60 years afforestation in tropical degraded coastal terraces. <i>Global Change Biology</i> , <b>2021</b> , 27, 5329-5340	11.4	1
78	Contrasting effects of soil microbial interactions on growth-defence relationships between early- and mid-successional plant communities. <i>New Phytologist</i> , <b>2021</b> ,	9.8	3
77	The Future of (Soil) Microbiome Studies: Current Limitations, Integration, and Perspectives. <i>MSystems</i> , <b>2021</b> , 6, e0061321	7.6	2
76	The aerobiome uncovered: Multi-marker metabarcoding reveals potential drivers of turn-over in the full microbial community in the air. <i>Environment International</i> , <b>2021</b> , 154, 106551	12.9	7
75	The effect of microbial inoculant origin on the rhizosphere bacterial community composition and plant growth-promotion. <i>Plant and Soil</i> , <b>2020</b> , 452, 105-117	4.2	18
74	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , <b>2020</b> , 7, 103	8.2	22
73	Rhizosphere protists are key determinants of plant health. <i>Microbiome</i> , <b>2020</b> , 8, 27	16.6	53
72	Chemical structure predicts the effect of plant-derived low-molecular weight compounds on soil microbiome structure and pathogen suppression. <i>Functional Ecology</i> , <b>2020</b> , 34, 2158-2169	5.6	8
71	The global-scale distributions of soil protists and their contributions to belowground systems. <i>Science Advances</i> , <b>2020</b> , 6, eaax8787	14.3	101
70	Patterns of local, intercontinental and interseasonal variation of soil bacterial and eukaryotic microbial communities. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	6
69	Community-level interactions between plants and soil biota during range expansion. <i>Journal of Ecology</i> , <b>2020</b> , 108, 1860-1873	6	8
68	Rhizosphere immunity: targeting the underground for sustainable plant health management. <i>Frontiers of Agricultural Science and Engineering</i> , <b>2020</b> , 7, 317	1.7	10

67	Fertilization changes soil microbiome functioning, especially phagotrophic protists. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 148, 107863	7.5	26
66	Agriculture erases climate constraints on soil nematode communities across large spatial scales. <i>Global Change Biology</i> , <b>2020</b> , 26, 919-930	11.4	25
65	Trophic interactions as determinants of the arbuscular mycorrhizal fungal community with cascading plant-promoting consequences. <i>Microbiome</i> , <b>2020</b> , 8, 142	16.6	11
64	Plant population and soil origin effects on rhizosphere nematode community composition of a range-expanding plant species and a native congener. <i>Oecologia</i> , <b>2020</b> , 194, 237-250	2.9	1
63	Temperature-Induced Annual Variation in Microbial Community Changes and Resulting Metabolome Shifts in a Controlled Fermentation System. <i>MSystems</i> , <b>2020</b> , 5,	7.6	16
62	Bio-organic fertilizers stimulate indigenous soil <i>Pseudomonas</i> populations to enhance plant disease suppression. <i>Microbiome</i> , <b>2020</b> , 8, 137	16.6	58
61	Shotgun metagenomics reveal a diverse assemblage of protists in a model Antarctic soil ecosystem. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 4620-4632	5.2	6
60	Organism body size structures the soil microbial and nematode community assembly at a continental and global scale. <i>Nature Communications</i> , <b>2020</b> , 11, 6406	17.4	28
59	Reduced tillage, but not organic matter input, increased nematode diversity and food web stability in European long-term field experiments. <i>Molecular Ecology</i> , <b>2019</b> , 28, 4987-5005	5.7	19
58	Trophic Regulations of the Soil Microbiome. <i>Trends in Microbiology</i> , <b>2019</b> , 27, 771-780	12.4	98
57	Microbial amendments alter protist communities within the soil microbiome. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 135, 379-382	7.5	16
56	Latitudinal variation in soil nematode communities under climate warming-related range-expanding and native plants. <i>Global Change Biology</i> , <b>2019</b> , 25, 2714-2726	11.4	28
55	Protist communities are more sensitive to nitrogen fertilization than other microorganisms in diverse agricultural soils. <i>Microbiome</i> , <b>2019</b> , 7, 33	16.6	120
54	Range-expansion effects on the belowground plant microbiome. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 604-611	12.3	41
53	Root traits and belowground herbivores relate to plant-soil feedback variation among congeners. <i>Nature Communications</i> , <b>2019</b> , 10, 1564	17.4	39
52	A methodological framework to embrace soil biodiversity. <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 136, 10753-10756	7.5	47
51	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , <b>2019</b> , 572, 194-198	10.4	305
50	Microbial invasions in terrestrial ecosystems. <i>Nature Reviews Microbiology</i> , <b>2019</b> , 17, 621-631	22.2	37

49	Challenges and Opportunities for Soil Biodiversity in the Anthropocene. <i>Current Biology</i> , <b>2019</b> , 29, R1036-1041	6.5	104
48	Deciphering Underlying Drivers of Disease Suppressiveness Against Pathogenic. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2535	5.7	14
47	Efficient reduction of antibiotic residues and associated resistance genes in tylosin antibiotic fermentation waste using hyperthermophilic composting. <i>Environment International</i> , <b>2019</b> , 133, 105203	12.9	45
46	Soil functional responses to drought under range-expanding and native plant communities. <i>Functional Ecology</i> , <b>2019</b> , 33, 2402-2416	5.6	7
45	Competition and predation as possible causes of bacterial rarity. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 1356-1368	5.2	13
44	Protists: Puppet Masters of the Rhizosphere Microbiome. <i>Trends in Plant Science</i> , <b>2019</b> , 24, 165-176	13.1	89
43	Horizontal gene transfer and shifts in linked bacterial community composition are associated with maintenance of antibiotic resistance genes during food waste composting. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 841-850	10.2	59
42	A low proportion of rare bacterial taxa responds to abiotic changes compared with dominant taxa. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 750-758	5.2	23
41	Integrating quantitative morphological and qualitative molecular methods to analyse soil nematode community responses to plant range expansion. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1366-1378	7.7	42
40	Soil protists: a fertile frontier in soil biology research. <i>FEMS Microbiology Reviews</i> , <b>2018</b> , 42, 293-323	15.1	176
39	The need for standardisation: Exemplified by a description of the diversity, community structure and ecological indices of soil nematodes. <i>Ecological Indicators</i> , <b>2018</b> , 87, 43-46	5.8	20
38	Methodological advances to study the diversity of soil protists and their functioning in soil food webs. <i>Applied Soil Ecology</i> , <b>2018</b> , 123, 328-333	5	32
37	Soil protist communities form a dynamic hub in the soil microbiome. <i>ISME Journal</i> , <b>2018</b> , 12, 634-638	11.9	97
36	Network Analyses Can Advance Above-Belowground Ecology. <i>Trends in Plant Science</i> , <b>2018</b> , 23, 759-768	13.1	30
35	Humusica 2, article 17: techno humus systems and global change [three crucial questions. <i>Applied Soil Ecology</i> , <b>2018</b> , 122, 237-253	5	7
34	Hyperthermophilic Composting Accelerates the Removal of Antibiotic Resistance Genes and Mobile Genetic Elements in Sewage Sludge. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 266-276	10.3	185
33	Protist species richness and soil microbiome complexity increase towards climax vegetation in the Brazilian Cerrado. <i>Communications Biology</i> , <b>2018</b> , 1, 135	6.7	31
32	Soil networks become more connected and take up more carbon as nature restoration progresses. <i>Nature Communications</i> , <b>2017</b> , 8, 14349	17.4	309

31	Soil protistology rebooted: 30 fundamental questions to start with. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 111, 94-103	7.5	86
30	The prey's scent - Volatile organic compound mediated interactions between soil bacteria and their protist predators. <i>ISME Journal</i> , <b>2017</b> , 11, 817-820	11.9	70
29	UniEuk: Time to Speak a Common Language in Protistology!. <i>Journal of Eukaryotic Microbiology</i> , <b>2017</b> , 64, 407-411	3.6	39
28	Phylogeny and Systematics of Leptomyxid Amoebae (Amoebozoa, Tubulinea, Leptomyxida). <i>Protist</i> , <b>2017</b> , 168, 220-252	2.5	8
27	Seed and Root Endophytic Fungi in a Range Expanding and a Related Plant Species. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1645	5.7	43
26	Interspecific differences in nematode control between range-expanding plant species and their congeneric natives. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 100, 233-241	7.5	9
25	The bacterial-fungal energy channel concept challenged by enormous functional versatility of soil protists. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 102, 22-25	7.5	70
24	Organic matter composition and the protist and nematode communities around anecic earthworm burrows. <i>Biology and Fertility of Soils</i> , <b>2016</b> , 52, 91-100	6.1	29
23	The soil food web revisited: Diverse and widespread mycophagous soil protists. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 94, 10-18	7.5	99
22	Molecular Identification of Soil Eukaryotes and Focused Approaches Targeting Protist and Faunal Groups Using High-Throughput Metabarcoding. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1399, 125-40	1.4	8
21	Stimulation of bacteria and protists in rhizosphere of glyphosate-treated barley. <i>Applied Soil Ecology</i> , <b>2016</b> , 98, 47-55	5	20
20	A method of establishing a transect for biodiversity and ecosystem function monitoring across Europe. <i>Applied Soil Ecology</i> , <b>2016</b> , 97, 3-11	5	27
19	Thorough high-throughput sequencing analyses unravels huge diversities of soil parasitic protists. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1669-72	5.2	27
18	Coprophilic amoebae and flagellates, including Guttulinopsis, Rosculus and Helkesimastix, characterise a divergent and diverse rhizarian radiation and contribute to a large diversity of faecal-associated protists. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1604-19	5.2	31
17	Expansion of the molecular and morphological diversity of Acanthamoebidae (Centramoebida, Amoebozoa) and identification of a novel life cycle type within the group. <i>Biology Direct</i> , <b>2016</b> , 11, 69	7.2	41
16	Selecting cost effective and policy-relevant biological indicators for European monitoring of soil biodiversity and ecosystem function. <i>Ecological Indicators</i> , <b>2016</b> , 69, 213-223	5.8	59
15	Heterogeneity in the genus Allovahlkampfia and the description of the new genus Parafumarolamoeba (Vahlkampfiidae; Heterolobosea). <i>European Journal of Protistology</i> , <b>2015</b> , 51, 335-49	3.6	10
14	Erratum to Soil water availability strongly alters the community composition of soil protists [Pedobiologia]. <i>Soil Ecol. 57 (4B) (2014) 205-213</i> . <i>Pedobiologia</i> , <b>2015</b> , 58, 55	1.7	2

13	Expansion of the 'Reticulosphere': Diversity of Novel Branching and Network-forming Amoebae Helps to Define Variosea (Amoebozoa). <i>Protist</i> , <b>2015</b> , 166, 271-95	2.5	40
12	Metatranscriptomic census of active protists in soils. <i>ISME Journal</i> , <b>2015</b> , 9, 2178-90	11.9	175
11	Not all are free-living: high-throughput DNA metabarcoding reveals a diverse community of protists parasitizing soil metazoa. <i>Molecular Ecology</i> , <b>2015</b> , 24, 4556-69	5.7	94
10	Pack hunting by a common soil amoeba on nematodes. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4538-46	5.2	60
9	Two new species of the genus <i>Stenamoeba</i> (Discosea, Longamoebia): cytoplasmic MTOC is present in one more amoebae lineage. <i>European Journal of Protistology</i> , <b>2014</b> , 50, 153-65	3.6	19
8	<i>Acanthamoeba</i> everywhere: high diversity of <i>Acanthamoeba</i> in soils. <i>Parasitology Research</i> , <b>2014</b> , 113, 3151-8	2.4	58
7	Discrepancy between species borders at morphological and molecular levels in the genus <i>Cochliopodium</i> (Amoebozoa, Himatismenida), with the description of <i>Cochliopodium plurinucleolum</i> n. sp. <i>Protist</i> , <b>2014</b> , 165, 364-83	2.5	27
6	Soil water availability strongly alters the community composition of soil protists. <i>Pedobiologia</i> , <b>2014</b> , 57, 205-213	1.7	90
5	Distributional (In)Congruence of Biodiversity Ecosystem Functioning. <i>Advances in Ecological Research</i> , <b>2012</b> , 46, 1-88	4.6	41
4	Metabarcoding data allow for reliable biomass estimates in the most abundant animals on earth. <i>Metabarcoding and Metagenomics</i> , 3,		21
3	A user guide to environmental protistology: primers, metabarcoding, sequencing, and analyses		8
2	The relative importance of soil moisture in predicting bacterial wilt disease occurrence. <i>Soil Ecology Letters</i> , 1	2.7	2
1	pr2-primers: an 18S rRNA primer database for protists		3