

Stefan Geisen

List of Publications by Citations

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Version: 2024-04-26

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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.

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	Soil networks become more connected and take up more carbon as nature restoration progresses. <i>Nature Communications</i> , 2017 , 8, 14349	17.4	309
101	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , 2019 , 572, 194-198	30.4	305
100	Hyperthermophilic Composting Accelerates the Removal of Antibiotic Resistance Genes and Mobile Genetic Elements in Sewage Sludge. <i>Environmental Science & Technology</i> , 2018 , 52, 266-276	10.3	185
99	Soil protists: a fertile frontier in soil biology research. <i>FEMS Microbiology Reviews</i> , 2018 , 42, 293-323	15.1	176
98	Metatranscriptomic census of active protists in soils. <i>ISME Journal</i> , 2015 , 9, 2178-90	11.9	175
97	Protist communities are more sensitive to nitrogen fertilization than other microorganisms in diverse agricultural soils. <i>Microbiome</i> , 2019 , 7, 33	16.6	120
96	The global-scale distributions of soil protists and their contributions to belowground systems. <i>Science Advances</i> , 2020 , 6, eaax8787	14.3	101
95	The soil food web revisited: Diverse and widespread mycophagous soil protists. <i>Soil Biology and Biochemistry</i> , 2016 , 94, 10-18	7.5	99
94	Trophic Regulations of the Soil Microbiome. <i>Trends in Microbiology</i> , 2019 , 27, 771-780	12.4	98
93	Soil protist communities form a dynamic hub in the soil microbiome. <i>ISME Journal</i> , 2018 , 12, 634-638	11.9	97
92	Not all are free-living: high-throughput DNA metabarcoding reveals a diverse community of protists parasitizing soil metazoa. <i>Molecular Ecology</i> , 2015 , 24, 4556-69	5.7	94
91	Soil water availability strongly alters the community composition of soil protists. <i>Pedobiologia</i> , 2014 , 57, 205-213	1.7	90
90	Protists: Puppet Masters of the Rhizosphere Microbiome. <i>Trends in Plant Science</i> , 2019 , 24, 165-176	13.1	89
89	Soil protistology rebooted: 30 fundamental questions to start with. <i>Soil Biology and Biochemistry</i> , 2017 , 111, 94-103	7.5	86
88	The prey's scent - Volatile organic compound mediated interactions between soil bacteria and their protist predators. <i>ISME Journal</i> , 2017 , 11, 817-820	11.9	70
87	The bacterial-fungal energy channel concept challenged by enormous functional versatility of soil protists. <i>Soil Biology and Biochemistry</i> , 2016 , 102, 22-25	7.5	70
86	Challenges and Opportunities for Soil Biodiversity in the Anthropocene. <i>Current Biology</i> , 2019 , 29, R1036-1041	31.0	41

85	Pack hunting by a common soil amoeba on nematodes. <i>Environmental Microbiology</i> , 2015 , 17, 4538-46	5.2	60
84	Selecting cost effective and policy-relevant biological indicators for European monitoring of soil biodiversity and ecosystem function. <i>Ecological Indicators</i> , 2016 , 69, 213-223	5.8	59
83	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> , 2019 , 660, 841-850	10.2	59
82	Acanthamoeba everywhere: high diversity of Acanthamoeba in soils. <i>Parasitology Research</i> , 2014 , 113, 3151-8	2.4	58
81	Bio-organic fertilizers stimulate indigenous soil Pseudomonas populations to enhance plant disease suppression. <i>Microbiome</i> , 2020 , 8, 137	16.6	58
80	Rhizosphere protists are key determinants of plant health. <i>Microbiome</i> , 2020 , 8, 27	16.6	53
79	A methodological framework to embrace soil biodiversity. <i>Soil Biology and Biochemistry</i> , 2019 , 136, 10753-6	7.6	47
78	Efficient reduction of antibiotic residues and associated resistance genes in tylosin antibiotic fermentation waste using hyperthermophilic composting. <i>Environment International</i> , 2019 , 133, 105203	12.9	45
77	Seed and Root Endophytic Fungi in a Range Expanding and a Related Plant Species. <i>Frontiers in Microbiology</i> , 2017 , 8, 1645	5.7	43
76	Integrating quantitative morphological and qualitative molecular methods to analyse soil nematode community responses to plant range expansion. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 1366-1378	7.7	42
75	Range-expansion effects on the belowground plant microbiome. <i>Nature Ecology and Evolution</i> , 2019 , 3, 604-611	12.3	41
74	Distributional (In)Congruence of BiodiversityEcosystem Functioning. <i>Advances in Ecological Research</i> , 2012 , 46, 1-88	4.6	41
73	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> , 2016 , 11, 69	7.2	41
72	Expansion of the 'Reticulosphere': Diversity of Novel Branching and Network-forming Amoebae Helps to Define Variosea (Amoebozoa). <i>Protist</i> , 2015 , 166, 271-95	2.5	40
71	UniEuk: Time to Speak a Common Language in Protistology!. <i>Journal of Eukaryotic Microbiology</i> , 2017 , 64, 407-411	3.6	39
70	Root traits and belowground herbivores relate to plant-soil feedback variation among congeners. <i>Nature Communications</i> , 2019 , 10, 1564	17.4	39
69	Microbial invasions in terrestrial ecosystems. <i>Nature Reviews Microbiology</i> , 2019 , 17, 621-631	22.2	37
68	Methodological advances to study the diversity of soil protists and their functioning in soil food webs. <i>Applied Soil Ecology</i> , 2018 , 123, 328-333	5	32

67	Coprophilic amoebae and flagellates, including <i>Guttulinopsis</i> , <i>Rosculus</i> and <i>Helkesimastix</i> , characterise a divergent and diverse rhizarian radiation and contribute to a large diversity of faecal-associated protists. <i>Environmental Microbiology</i> , 2016 , 18, 1604-19	5.2	31
66	Protist species richness and soil microbiome complexity increase towards climax vegetation in the Brazilian Cerrado. <i>Communications Biology</i> , 2018 , 1, 135	6.7	31
65	Network Analyses Can Advance Above-Belowground Ecology. <i>Trends in Plant Science</i> , 2018 , 23, 759-768	13.1	30
64	Organic matter composition and the protist and nematode communities around anecic earthworm burrows. <i>Biology and Fertility of Soils</i> , 2016 , 52, 91-100	6.1	29
63	Latitudinal variation in soil nematode communities under climate warming-related range-expanding and native plants. <i>Global Change Biology</i> , 2019 , 25, 2714-2726	11.4	28
62	Organism body size structures the soil microbial and nematode community assembly at a continental and global scale. <i>Nature Communications</i> , 2020 , 11, 6406	17.4	28
61	A method of establishing a transect for biodiversity and ecosystem function monitoring across Europe. <i>Applied Soil Ecology</i> , 2016 , 97, 3-11	5	27
60	Discrepancy between species borders at morphological and molecular levels in the genus <i>Cochliopodium</i> (Amoebozoa, Himatistenida), with the description of <i>Cochliopodium plurinucleolum</i> n. sp. <i>Protist</i> , 2014 , 165, 364-83	2.5	27
59	Thorough high-throughput sequencing analyses unravels huge diversities of soil parasitic protists. <i>Environmental Microbiology</i> , 2016 , 18, 1669-72	5.2	27
58	Fertilization changes soil microbiome functioning, especially phagotrophic protists. <i>Soil Biology and Biochemistry</i> , 2020 , 148, 107863	7.5	26
57	Protist taxonomic and functional diversity in soil, freshwater and marine ecosystems. <i>Environment International</i> , 2021 , 146, 106262	12.9	26
56	Agriculture erases climate constraints on soil nematode communities across large spatial scales. <i>Global Change Biology</i> , 2020 , 26, 919-930	11.4	25
55	Nematodes as Drivers of Plant Performance in Natural Systems. <i>Trends in Plant Science</i> , 2021 , 26, 237-247	13.1	25
54	A low proportion of rare bacterial taxa responds to abiotic changes compared with dominant taxa. <i>Environmental Microbiology</i> , 2019 , 21, 750-758	5.2	23
53	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , 2020 , 7, 103	8.2	22
52	Metabarcoding data allow for reliable biomass estimates in the most abundant animals on earth. <i>Metabarcoding and Metagenomics</i> , 2020 , 3, 1-10		21
51	The need for standardisation: Exemplified by a description of the diversity, community structure and ecological indices of soil nematodes. <i>Ecological Indicators</i> , 2018 , 87, 43-46	5.8	20
50	Stimulation of bacteria and protists in rhizosphere of glyphosate-treated barley. <i>Applied Soil Ecology</i> , 2016 , 98, 47-55	5	20

49	Reduced tillage, but not organic matter input, increased nematode diversity and food web stability in European long-term field experiments. <i>Molecular Ecology</i> , 2019 , 28, 4987-5005	5.7	19
48	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> , 2014 , 50, 153-65	3.6	19
47	The effect of microbial inoculant origin on the rhizosphere bacterial community composition and plant growth-promotion. <i>Plant and Soil</i> , 2020 , 452, 105-117	4.2	18
46	Herbicide Selection Promotes Antibiotic Resistance in Soil Microbiomes. <i>Molecular Biology and Evolution</i> , 2021 , 38, 2337-2350	8.3	18
45	Microbial amendments alter protist communities within the soil microbiome. <i>Soil Biology and Biochemistry</i> , 2019 , 135, 379-382	7.5	16
44	Temperature-Induced Annual Variation in Microbial Community Changes and Resulting Metabolome Shifts in a Controlled Fermentation System. <i>MSystems</i> , 2020 , 5,	7.6	16
43	Protists as main indicators and determinants of plant performance. <i>Microbiome</i> , 2021 , 9, 64	16.6	15
42	Protists as catalyzers of microbial litter breakdown and carbon cycling at different temperature regimes. <i>ISME Journal</i> , 2021 , 15, 618-621	11.9	15
41	Deciphering Underlying Drivers of Disease Suppressiveness Against Pathogenic. <i>Frontiers in Microbiology</i> , 2019 , 10, 2535	5.7	14
40	Competition and predation as possible causes of bacterial rarity. <i>Environmental Microbiology</i> , 2019 , 21, 1356-1368	5.2	13
39	A global overview of the trophic structure within microbiomes across ecosystems. <i>Environment International</i> , 2021 , 151, 106438	12.9	12
38	Trophic interactions as determinants of the arbuscular mycorrhizal fungal community with cascading plant-promoting consequences. <i>Microbiome</i> , 2020 , 8, 142	16.6	11
37	Heterogeneity in the genus <i>Allovalkhampfia</i> and the description of the new genus <i>Parafumarolamoeba</i> (Vahlkampfiidae; Heterolobosea). <i>European Journal of Protistology</i> , 2015 , 51, 335-49	3.6	10
36	Rhizosphere immunity: targeting the underground for sustainable plant health management. <i>Frontiers of Agricultural Science and Engineering</i> , 2020 , 7, 317	1.7	10
35	Interspecific differences in nematode control between range-expanding plant species and their congeneric natives. <i>Soil Biology and Biochemistry</i> , 2016 , 100, 233-241	7.5	9
34	Metagenomic assessment of the global diversity and distribution of bacteria and fungi. <i>Environmental Microbiology</i> , 2021 , 23, 316-326	5.2	9
33	Chemical structure predicts the effect of plant-derived low-molecular weight compounds on soil microbiome structure and pathogen suppression. <i>Functional Ecology</i> , 2020 , 34, 2158-2169	5.6	8
32	Community-level interactions between plants and soil biota during range expansion. <i>Journal of Ecology</i> , 2020 , 108, 1860-1873	6	8

31	Molecular Identification of Soil Eukaryotes and Focused Approaches Targeting Protist and Faunal Groups Using High-Throughput Metabarcoding. <i>Methods in Molecular Biology</i> , 2016 , 1399, 125-40	1.4	8
30	Phylogeny and Systematics of Leptomyxid Amoebae (Amoebozoa, Tubulinea, Leptomyxida). <i>Protist</i> , 2017 , 168, 220-252	2.5	8
29	A user guide to environmental protistology: primers, metabarcoding, sequencing, and analyses		8
28	Soil functional responses to drought under range-expanding and native plant communities. <i>Functional Ecology</i> , 2019 , 33, 2402-2416	5.6	7
27	Feeding habits and multifunctional classification of soil-associated consumers from protists to vertebrates.. <i>Biological Reviews</i> , 2022 ,	13.5	7
26	pr2-primers: An 18S rRNA primer database for protists. <i>Molecular Ecology Resources</i> , 2021 ,	8.4	7
25	Humusica 2, article 17: techno humus systems and global change [three crucial questions. <i>Applied Soil Ecology</i> , 2018 , 122, 237-253	5	7
24	The aerobiome uncovered: Multi-marker metabarcoding reveals potential drivers of turn-over in the full microbial community in the air. <i>Environment International</i> , 2021 , 154, 106551	12.9	7
23	Patterns of local, intercontinental and interseasonal variation of soil bacterial and eukaryotic microbial communities. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	6
22	Shotgun metagenomics reveal a diverse assemblage of protists in a model Antarctic soil ecosystem. <i>Environmental Microbiology</i> , 2020 , 22, 4620-4632	5.2	6
21	Ecosystem coupling: A unifying framework to understand the functioning and recovery of ecosystems. <i>One Earth</i> , 2021 , 4, 951-966	8.1	6
20	Contribution of soil algae to the global carbon cycle.. <i>New Phytologist</i> , 2022 ,	9.8	4
19	pr2-primers: an 18S rRNA primer database for protists		3
18	Contrasting effects of soil microbial interactions on growth-defence relationships between early- and mid-successional plant communities. <i>New Phytologist</i> , 2021 ,	9.8	3
17	Erratum to Soil water availability strongly alters the community composition of soil protists [Pedobiologia]. <i>Soil Ecol. 57 (4B) (2014) 205-13</i> . <i>Pedobiologia</i> , 2015 , 58, 55	1.7	2
16	Towards revealing the global diversity and community assembly of soil eukaryotes. <i>Ecology Letters</i> , 2022 , 25, 65-76	10	2
15	Microbial Faunal Interactions in the Rhizosphere. <i>Rhizosphere Biology</i> , 2021 , 237-253	0.8	2
14	Agricultural habitats are dominated by rapidly evolving nematodes revealed through phylogenetic comparative methods. <i>Soil Biology and Biochemistry</i> , 2021 , 155, 108183	7.5	2

13	The relative importance of soil moisture in predicting bacterial wilt disease occurrence. <i>Soil Ecology Letters</i> ,1	2.7	2
12	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> , 2021 , 10,	4.9	2
11	Resilience of rhizosphere microbial predators and their prey communities after an extreme heat event. <i>Functional Ecology</i> , 2021 , 35, 216-225	5.6	2
10	The Future of (Soil) Microbiome Studies: Current Limitations, Integration, and Perspectives. <i>MSystems</i> , 2021 , 6, e0061321	7.6	2
9	Plant population and soil origin effects on rhizosphere nematode community composition of a range-expanding plant species and a native congener. <i>Oecologia</i> , 2020 , 194, 237-250	2.9	1
8	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> , 2021 , 27, 5329-5340	11.4	1
7	Arbuscular mycorrhizal inoculation and plant response strongly shape bacterial and eukaryotic soil community trajectories. <i>Soil Biology and Biochemistry</i> , 2022 , 165, 108524	7.5	0
6	Inventory of the benthic eukaryotic diversity in the oldest European lake. <i>Ecology and Evolution</i> , 2021 , 11, 11207-11215	2.8	0
5	Fungal root endophytes influence plants in a species-specific manner that depends on plant's growth stage. <i>Journal of Ecology</i> , 2021 , 109, 1618-1632	6	0
4	Nematode-based indices in soil ecology: Application, utility, and future directions. <i>Soil Biology and Biochemistry</i> , 2022 , 108640	7.5	0
3	Pedogenesis shapes predator-prey relationships within soil microbiomes.. <i>Science of the Total Environment</i> , 2022 , 828, 154405	10.2	0
2	Nematode Predation and Competitive Interactions Affect Microbe-Mediated Phosphorus Dynamics.. <i>MBio</i> , 2022 , e0329321	7.8	0
1	Five Groups in the Genus <i>Allovalkämpfia</i> and the Description of the New Species <i>Vahlkämpfia bulbosis</i> n.sp.. <i>Protist</i> , 2022 , 173, 125870	2.5	