Stefan Hempel

List of Publications by Year
in descending order

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39 papers	5,404 citations	218677 26 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	8302 citing authors

#	Article	IF	Citations
1	Non-Mycorrhizal Fungal Presence Within Roots Increases Across an Urban Gradient in Berlin, Germany. Frontiers in Environmental Science, 2022, 10, .	3.3	1
2	Precipitation and temperature shape the biogeography of arbuscular mycorrhizal fungi across the Brazilian Caatinga. Journal of Biogeography, 2022, 49, 1137-1150.	3.0	3
3	Plant and soil biodiversity have nonâ€substitutable stabilising effects on biomass production. Ecology Letters, 2021, 24, 1582-1593.	6.4	43
4	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
5	Moderate phosphorus additions consistently affect community composition of arbuscular mycorrhizal fungi in tropical montane forests in southern Ecuador. New Phytologist, 2020, 227, 1505-1518.	7.3	27
6	The relative importance of ecological drivers of arbuscular mycorrhizal fungal distribution varies with taxon phylogenetic resolution. New Phytologist, 2019, 224, 936-948.	7.3	17
7	Bridging reproductive and microbial ecology: a case study in arbuscular mycorrhizal fungi. ISME Journal, 2019, 13, 873-884.	9.8	43
8	Arbuscular mycorrhizal fungal and soil microbial communities in African Dark Earths. FEMS Microbiology Ecology, 2018, 94, .	2.7	7
9	Assessing soil ecosystem processes â€“ biodiversity relationships in a nature reserve in Central Europe. Plant and Soil, 2018, 424, 491-501.	3.7	3
10	Microplastics as an emerging threat to terrestrial ecosystems. Global Change Biology, 2018, 24, 1405-1416.	9.5	1,303
11	Widely distributed native and alien plant species differ in arbuscular mycorrhizal associations and related functional trait interactions. Ecography, 2018, 41, 1583-1593.	4.5	9
12	Subsoil arbuscular mycorrhizal fungal communities in arable soil differ from those in topsoil. Soil Biology and Biochemistry, 2018, 117, 83-86.	8.8	38
13	Fungal Decision to Exploit or Explore Depends on Growth Rate. Microbial Ecology, 2018, 75, 289-292.	2.8	14
14	Passengers and drivers of arbuscular mycorrhizal fungal communities at different scales. New Phytologist, 2018, 220, 952-953.	7.3	16
15	How Soil Biota Drive Ecosystem Stability. Trends in Plant Science, 2018, 23, 1057-1067.	8.8	145
16	Evidence for Subsoil Specialization in Arbuscular Mycorrhizal Fungi. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	14
17	Linking the community structure of arbuscular mycorrhizal fungi and plants: a story of interdependence?. ISME Journal, 2017, 11, 1400-1411.	9.8	78
18	Microplastic transport in soil by earthworms. Scientific Reports, 2017, 7, 1362.	3.3	546

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19	Root traits are more than analogues of leaf traits: the case for diaspore mass. New Phytologist, 2017, 216, 1130-1139.	7.3	71
20	Mycorrhizal status helps explain invasion success of alien plant species. Ecology, 2017, 98, 92-102.	3.2	77
21	Spatial and niche-based ecological processes drive the distribution of endophytic Sebacinales in soil and root of grassland communities. FEMS Microbiology Ecology, 2016, 92, fiw079.	2.7	4
22	Community assembly and coexistence in communities of arbuscular mycorrhizal fungi. ISME Journal, 2016, 10, 2341-2351.	9.8	167
23	Highâ€resolution community profiling of arbuscular mycorrhizal fungi. New Phytologist, 2016, 212, 780-791.	7.3	104
24	Distribution patterns of arbuscular mycorrhizal and non-mycorrhizal plant species in Germany. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 21, 78-88.	2.7	30
25	Opposing effects of nitrogen versus phosphorus additions on mycorrhizal fungal abundance along an elevational gradient in tropical montane forests. Soil Biology and Biochemistry, 2016, 94, 37-47.	8.8	61
26	Landâ€use intensity and host plant identity interactively shape communities of arbuscular mycorrhizal fungi in roots of grassland plants. New Phytologist, 2015, 205, 1577-1586.	7.3	111
27	Plant community assembly at small scales: Spatial vs. environmental factors in a European grassland. Acta Oecologica, 2015, 63, 56-62.	1.1	21
28	Branching out: Towards a trait-based understanding of fungal ecology. Fungal Biology Reviews, 2015, 29, 34-41.	4.7	118
29	Determinants of rootâ€associated fungal communities within <scp>A</scp>steraceae in a semiâ€arid grassland. Journal of Ecology, 2014, 102, 425-436.	4.0	62
30	Nitrogen and phosphorus additions impact arbuscular mycorrhizal abundance and molecular diversity in a tropical montane forest. Global Change Biology, 2014, 20, 3646-3659.	9.5	194
31	Arbuscular mycorrhizal fungal communities are phylogenetically clustered at small scales. ISME Journal, 2014, 8, 2231-2242.	9.8	88
32	The influence of environmental degradation processes on the arbuscular mycorrhizal fungal community associated with yew (Taxus baccata L.), an endangered tree species from Mediterranean ecosystems of Southeast Spain. Plant and Soil, 2013, 370, 355-366.	3.7	10
33	Biological Flora of the British Isles: Robinia pseudoacacia. Journal of Ecology, 2013, 101, 1623-1640.	4.0	230
34	Mycorrhizas in the Central European flora: relationships with plant life history traits and ecology. Ecology, 2013, 94, 1389-1399.	3.2	150
35	Molecular diversity of arbuscular mycorrhizal fungi in relation to soil chemical properties and heavy metal contamination. Environmental Pollution, 2010, 158, 2757-2765.	7.5	152
36	TaqMan Real-Time PCR Assays To Assess Arbuscular Mycorrhizal Responses to Field Manipulation of Grassland Biodiversity: Effects of Soil Characteristics, Plant Species Richness, and Functional Traits. Applied and Environmental Microbiology, 2010, 76, 3765-3775.	3.1	72

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37	Interactive effects of mycorrhizae and a root hemiparasite on plant community productivity and diversity. Oecologia, 2009, 159, 191-205.	2.0	33
38	Specific bottomâ€“up effects of arbuscular mycorrhizal fungi across a plantâ€“herbivoreâ€“parasitoid system. Oecologia, 2009, 160, 267-277.	2.0	86
39	Differences in the species composition of arbuscular mycorrhizal fungi in spore, root and soil communities in a grassland ecosystem. Environmental Microbiology, 2007, 9, 1930-1938.	3.8	218