Helene Niculita-Hirzel

List of Publications by Year in Descending Order

42 papers	1,593 citations	14 h-index	39 g-index
49 ext. papers	1,959 ext. citations	5.9 avg, IF	3.99 L-index

#	Paper	IF	Citations
42	Comparative analysis of diversity and environmental niches of soil bacterial, archaeal, fungal and protist communities reveal niche divergences along environmental gradients in the Alps. *Soil Biology and Biochemistry*, **2022**, 169, 108674	7.5	0
41	Low spatial autocorrelation in mountain biodiversity data and model residuals. *Ecosphere*, **2021**, 12, e03403	3.1	1
40	Predicting spatial patterns of soil bacteria under current and future environmental conditions. *ISME Journal*, **2021**, 15, 2547-2560	11.9	4
39	Soil protist function varies with elevation in the Swiss Alps. *Environmental Microbiology*, **2021**,	5.2	1
38	Risk Exposure during Showering and Water-Saving Showers. *Water (Switzerland)*, **2021**, 13, 2678	3	2
37	Volatile organic compounds in 169 energy-efficient dwellings in Switzerland. *Indoor Air*, **2020**, 30, 481-491	5.4	12
36	Energy, indoor air quality, occupant behavior, self-reported symptoms and satisfaction in energy-efficient dwellings in Switzerland. *Building and Environment*, **2020**, 171, 106618	6.5	26
35	Soil protist diversity in the Swiss western Alps is better predicted by topo-climatic than by edaphic variables. *Journal of Biogeography*, **2020**, 47, 866-878	4.1	12
34	Reusability of filtering facepiece respirators after decontamination through drying and germicidal UV irradiation. *BMJ Global Health*, **2020**, 5,	6.6	6
33	Fungal Contaminants in Energy Efficient Dwellings: Impact of Ventilation Type and Level of Urbanization. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	3
32	Greater topoclimatic control of above- versus below-ground communities. *Global Change Biology*, **2020**, 26, 6715-6728	11.4	3
31	Archaeorhizomycetes Spatial Distribution in Soils Along Wide Elevational and Environmental Gradients Reveal Co-abundance Patterns With Other Fungal Saprobes and Potential Weathering Capacities. *Frontiers in Microbiology*, **2019**, 10, 656	5.7	17
30	Major Differences in the Diversity of Mycobiomes Associated with Wheat Processing and Domestic Environments: Significant Findings from High-Throughput Sequencing of Fungal Barcode ITS1. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	4
29	Radon Investigation in 650 Energy Efficient Dwellings in Western Switzerland: Impact of Energy Renovation and Building Characteristics. *Atmosphere*, **2019**, 10, 777	2.7	13
28	Meta-scale mountain grassland observatories uncover commonalities as well as specific interactions among plant and non-rhizosphere soil bacterial communities. *Scientific Reports*, **2018**, 8, 5758	4.9	9
27	Exposure to field vs. storage wheat dust: different consequences on respiratory symptoms and immune response among grain workers. *International Archives of Occupational and Environmental Health*, **2018**, 91, 745-757	3.2	7
26	Primary and Immortalized Human Respiratory Cells Display Different Patterns of Cytotoxicity and Cytokine Release upon Exposure to Deoxynivalenol, Nivalenol and Fusarenon-X. *Toxins*, **2017**, 9,	4.9	10

25	Local Environmental Factors Drive Divergent Grassland Soil Bacterial Communities in the Western Swiss Alps. *Applied and Environmental Microbiology*, **2016**, 82, 6303-6316	4.8	38
24	Airborne and Grain Dust Fungal Community Compositions Are Shaped Regionally by Plant Genotypes and Farming Practices. *Applied and Environmental Microbiology*, **2016**, 82, 2121-2131	4.8	11
23	Frequent Occupational Exposure to Fusarium Mycotoxins of Workers in the Swiss Grain Industry. *Toxins*, **2016**, 8,	4.9	21
22	Innate Immune Sensing of Fusarium culmorum by Mouse Dendritic Cells. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2015**, 78, 871-85	3.2	9
21	Immune responses to airborne fungi and non-invasive airway diseases. *Seminars in Immunopathology*, **2015**, 37, 83-96	12	20
20	Respiratory health effects of fifteen years of improved collective protection in a wheat-processing worker population. *Annals of Agricultural and Environmental Medicine*, **2015**, 22, 647-54	1.4	9
19	Soil fungal communities of grasslands are environmentally structured at a regional scale in the Alps. *Molecular Ecology*, **2014**, 23, 4274-90	5.7	85
18	0150 Respiratory effects of an exposure to wheat dust among grain workers and farmers: a longitudinal study. *Occupational and Environmental Medicine*, **2014**, 71, A18.3-A19	2.1	1
17	Rapid genotypic change and plasticity in arbuscular mycorrhizal fungi is caused by a host shift and enhanced by segregation. *ISME Journal*, **2014**, 8, 284-94	11.9	50
16	Transitions from reproductive systems governed by two self-incompatible loci to one in fungi. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 501-16	3.8	12
15	Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. *Frontiers in Plant Science*, **2013**, 4, 500	6.2	29
14	Density-based hierarchical clustering of pyro-sequences on a large scale--the case of fungal ITS1. *Bioinformatics*, **2013**, 29, 1268-74	7.2	14
13	Assessment of airborne microorganisms by real-time PCR: optimistic findings and research challenges. *Frontiers in Bioscience - Scholar*, **2011**, 3, 445-53	2.4	12
12	Segregation in a mycorrhizal fungus alters rice growth and symbiosis-specific gene transcription. *Current Biology*, **2010**, 20, 1216-21	6.3	117
11	The genome of Laccaria bicolor provides insights into mycorrhizal symbiosis. *Nature*, **2008**, 452, 88-92	50.4	823
10	Gene organization of the mating type regions in the ectomycorrhizal fungus Laccaria bicolor reveals distinct evolution between the two mating type loci. *New Phytologist*, **2008**, 180, 329-342	9.8	50
9	Developmental, metabolic and immunological costs of flea infestation in the common vole. *Functional Ecology*, **2008**, 22, 1091-1098	5.6	19
8	Evolutionary patterns of MHC class II B in owls and their implications for the understanding of avian MHC evolution. *Molecular Biology and Evolution*, **2008**, 25, 1180-91	8.3	62

7	A key transcription cofactor on the nascent sex chromosomes of European tree frogs (Hyla arborea). *Genetics*, **2008**, 179, 1721-3	4	11
6	Isolation and characterization of major histocompatibility complex (MHC) class II B genes in the Barn owl (Aves: Tyto alba). *Immunogenetics*, **2008**, 60, 543-50	3.2	29
5	Comparative morphology of cephalic exocrine glands among castes of the black ant Lasius niger. *Arthropod Structure and Development*, **2007**, 36, 135-41	1.8	13
4	Molecular characterization of chromosome termini of the arbuscular mycorrhizal fungus Glomus intraradices (Glomeromycota). *Fungal Genetics and Biology*, **2007**, 44, 1380-6	3.9	14
3	Expression of abdominal-A homeotic gene in ants with different abdominal morphologies. *Gene Expression Patterns*, **2006**, 6, 141-5	1.5	1
2	Fluorescence in situ hybridization: a new method for determining primary sex ratio in ants. *Molecular Ecology*, **2003**, 12, 1637-48	5.7	10
1	A molecular study of abdominal-A in the ant Myrmica rubra reveals lineage dependent evolutionary rates for a developmental gene. *Insect Molecular Biology*, **2001**, 10, 513-21	3.4	2