

Helene Niculita-Hirzel

List of Publications by Citations

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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.

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	The genome of <i>Laccaria bicolor</i> provides insights into mycorrhizal symbiosis. <i>Nature</i> , 2008 , 452, 88-92	50.4	823
41	Segregation in a mycorrhizal fungus alters rice growth and symbiosis-specific gene transcription. <i>Current Biology</i> , 2010 , 20, 1216-21	6.3	117
40	Soil fungal communities of grasslands are environmentally structured at a regional scale in the Alps. <i>Molecular Ecology</i> , 2014 , 23, 4274-90	5.7	85
39	Evolutionary patterns of MHC class II B in owls and their implications for the understanding of avian MHC evolution. <i>Molecular Biology and Evolution</i> , 2008 , 25, 1180-91	8.3	62
38	Rapid genotypic change and plasticity in arbuscular mycorrhizal fungi is caused by a host shift and enhanced by segregation. <i>ISME Journal</i> , 2014 , 8, 284-94	11.9	50
37	Gene organization of the mating type regions in the ectomycorrhizal fungus <i>Laccaria bicolor</i> reveals distinct evolution between the two mating type loci. <i>New Phytologist</i> , 2008 , 180, 329-342	9.8	50
36	Local Environmental Factors Drive Divergent Grassland Soil Bacterial Communities in the Western Swiss Alps. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6303-6316	4.8	38
35	Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. <i>Frontiers in Plant Science</i> , 2013 , 4, 500	6.2	29
34	Isolation and characterization of major histocompatibility complex (MHC) class II B genes in the Barn owl (<i>Aves: Tyto alba</i>). <i>Immunogenetics</i> , 2008 , 60, 543-50	3.2	29
33	Energy, indoor air quality, occupant behavior, self-reported symptoms and satisfaction in energy-efficient dwellings in Switzerland. <i>Building and Environment</i> , 2020 , 171, 106618	6.5	26
32	Frequent Occupational Exposure to <i>Fusarium</i> Mycotoxins of Workers in the Swiss Grain Industry. <i>Toxins</i> , 2016 , 8,	4.9	21
31	Immune responses to airborne fungi and non-invasive airway diseases. <i>Seminars in Immunopathology</i> , 2015 , 37, 83-96	12	20
30	Developmental, metabolic and immunological costs of flea infestation in the common vole. <i>Functional Ecology</i> , 2008 , 22, 1091-1098	5.6	19
29	Archaeorhizomycetes Spatial Distribution in Soils Along Wide Elevational and Environmental Gradients Reveal Co-abundance Patterns With Other Fungal Saprotbes and Potential Weathering Capacities. <i>Frontiers in Microbiology</i> , 2019 , 10, 656	5.7	17
28	Density-based hierarchical clustering of pyro-sequences on a large scale--the case of fungal ITS1. <i>Bioinformatics</i> , 2013 , 29, 1268-74	7.2	14
27	Molecular characterization of chromosome termini of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> (Glomeromycota). <i>Fungal Genetics and Biology</i> , 2007 , 44, 1380-6	3.9	14
26	Comparative morphology of cephalic exocrine glands among castes of the black ant <i>Lasius niger</i> . <i>Arthropod Structure and Development</i> , 2007 , 36, 135-41	1.8	13

25	Radon Investigation in 650 Energy Efficient Dwellings in Western Switzerland: Impact of Energy Renovation and Building Characteristics. <i>Atmosphere</i> , 2019 , 10, 777	2.7	13
24	Volatile organic compounds in 169 energy-efficient dwellings in Switzerland. <i>Indoor Air</i> , 2020 , 30, 481-494	5.4	12
23	Transitions from reproductive systems governed by two self-incompatible loci to one in fungi. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 501-16	3.8	12
22	Assessment of airborne microorganisms by real-time PCR: optimistic findings and research challenges. <i>Frontiers in Bioscience - Scholar</i> , 2011 , 3, 445-53	2.4	12
21	Soil protist diversity in the Swiss western Alps is better predicted by topo-climatic than by edaphic variables. <i>Journal of Biogeography</i> , 2020 , 47, 866-878	4.1	12
20	Airborne and Grain Dust Fungal Community Compositions Are Shaped Regionally by Plant Genotypes and Farming Practices. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 2121-2131	4.8	11
19	A key transcription cofactor on the nascent sex chromosomes of European tree frogs (<i>Hyla arborea</i>). <i>Genetics</i> , 2008 , 179, 1721-3	4	11
18	Primary and Immortalized Human Respiratory Cells Display Different Patterns of Cytotoxicity and Cytokine Release upon Exposure to Deoxynivalenol, Nivalenol and Fusarenon-X. <i>Toxins</i> , 2017 , 9,	4.9	10
17	Fluorescence in situ hybridization: a new method for determining primary sex ratio in ants. <i>Molecular Ecology</i> , 2003 , 12, 1637-48	5.7	10
16	Innate Immune Sensing of <i>Fusarium culmorum</i> by Mouse Dendritic Cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 871-85	3.2	9
15	Meta-scale mountain grassland observatories uncover commonalities as well as specific interactions among plant and non-rhizosphere soil bacterial communities. <i>Scientific Reports</i> , 2018 , 8, 5758	4.9	9
14	Respiratory health effects of fifteen years of improved collective protection in a wheat-processing worker population. <i>Annals of Agricultural and Environmental Medicine</i> , 2015 , 22, 647-54	1.4	9
13	Exposure to field vs. storage wheat dust: different consequences on respiratory symptoms and immune response among grain workers. <i>International Archives of Occupational and Environmental Health</i> , 2018 , 91, 745-757	3.2	7
12	Reusability of filtering facepiece respirators after decontamination through drying and germicidal UV irradiation. <i>BMJ Global Health</i> , 2020 , 5,	6.6	6
11	Major Differences in the Diversity of Mycobiomes Associated with Wheat Processing and Domestic Environments: Significant Findings from High-Throughput Sequencing of Fungal Barcode ITS1. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	4
10	Predicting spatial patterns of soil bacteria under current and future environmental conditions. <i>ISME Journal</i> , 2021 , 15, 2547-2560	11.9	4
9	Fungal Contaminants in Energy Efficient Dwellings: Impact of Ventilation Type and Level of Urbanization. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
8	Greater topoclimatic control of above- versus below-ground communities. <i>Global Change Biology</i> , 2020 , 26, 6715-6728	11.4	3

7	A molecular study of abdominal-A in the ant <i>Myrmica rubra</i> reveals lineage dependent evolutionary rates for a developmental gene. <i>Insect Molecular Biology</i> , 2001 , 10, 513-21	3.4	2
6	Risk Exposure during Showering and Water-Saving Showers. <i>Water (Switzerland)</i> , 2021 , 13, 2678	3	2
5	0150 Respiratory effects of an exposure to wheat dust among grain workers and farmers: a longitudinal study. <i>Occupational and Environmental Medicine</i> , 2014 , 71, A18.3-A19	2.1	1
4	Expression of abdominal-A homeotic gene in ants with different abdominal morphologies. <i>Gene Expression Patterns</i> , 2006 , 6, 141-5	1.5	1
3	Low spatial autocorrelation in mountain biodiversity data and model residuals. <i>Ecosphere</i> , 2021 , 12, e03403	3	1
2	Soil protist function varies with elevation in the Swiss Alps. <i>Environmental Microbiology</i> , 2021 ,	5.2	1
1	Comparative analysis of diversity and environmental niches of soil bacterial, archaeal, fungal and protist communities reveal niche divergences along environmental gradients in the Alps. <i>Soil Biology and Biochemistry</i> , 2022 , 169, 108674	7.5	0