Silke Van den Wyngaert

List of Publications by Year
in descending order

22	993	623734 14	713466 21
papers	citations	h-index	g-index

23	23	23	1383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fungi in aquatic ecosystems. Nature Reviews Microbiology, 2019, 17, 339-354.	28.6	266
2	Integrating chytrid fungal parasites into plankton ecology: research gaps and needs. Environmental Microbiology, 2017, 19, 3802-3822.	3.8	171
3	Chytrid infections and diatom spring blooms: paradoxical effects of climate warming on fungal epidemics in lakes. Freshwater Biology, 2011, 56, 754-766.	2.4	92
4	Introducing ribosomal tandem repeat barcoding for fungi. Molecular Ecology Resources, 2019, 19, 118-127.	4.8	78
5	Characterizing the â€œfungal shuntâ€: Parasitic fungi on diatoms affect carbon flow and bacterial communities in aquatic microbial food webs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	61
6	Quantitative dominance of seasonally persistent filamentous cyanobacteria (Planktothrix) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 97-109.	3.1	49
7	Diversity and Hidden Host Specificity of Chytrids Infecting Colonial Volvocacean Algae. Journal of Eukaryotic Microbiology, 2018, 65, 870-881.	1.7	40
8	Taxonomic annotation of public fungal ITS sequences from the built environment â€“ a report from an April 10â€“11, 2017 workshop (Aberdeen, UK). MycoKeys, 2018, 28, 65-82.	1.9	33
9	A New Parasitic Chytrid, Staurastromyces oculus (Rhizophydiales, Staurastromycetaceae fam. nov.), Infecting the Freshwater Desmid Staurastrum sp.. Protist, 2017, 168, 392-407.	1.5	30
10	Hidden diversity in the freshwater planktonic diatom <scp>A</scp>sterionella formosa. Molecular Ecology, 2015, 24, 2955-2972.	3.9	22
11	Parasite Fitness Traits Under Environmental Variation: Disentangling the Roles of a Chytridâ€™s Immediate Host and External Environment. Microbial Ecology, 2014, 68, 645-656.	2.8	20
12	Trophic position, elemental ratios and nitrogen transfer in a planktonic hostâ€“parasiteâ€“consumer food chain including a fungal parasite. Oecologia, 2020, 194, 541-554.	2.0	20
13	Automated Quantification and Sizing of Unbranched Filamentous Cyanobacteria by Model-Based Object-Oriented Image Analysis. Applied and Environmental Microbiology, 2010, 76, 1615-1622.	3.1	19
14	Parasitic Chytrids Upgrade and Convey Primary Produced Carbon During Inedible Algae Proliferation. Protist, 2020, 171, 125768.	1.5	19
15	Seasonality of parasitic and saprotrophic zoosporic fungi: linking sequence data to ecological traits. ISME Journal, 2022, 16, 2242-2254.	9.8	19
16	Potentials and limitations of quantification of fungi in freshwater environments based on PLFA profiles. Fungal Ecology, 2019, 41, 256-268.	1.6	14
17	Intercomparison of Two Fluorescent Dyes to Visualize Parasitic Fungi (Chytridiomycota) on Phytoplankton. Microbial Ecology, 2023, 85, 9-23.	2.8	10
18	Herbicides in the environment alter infection dynamics in a microbial hostâ€“parasite system. Environmental Microbiology, 2013, 15, 837-847.	3.8	9

#	Article	IF	Citations
19	Fungal communities in groundwater springs along the volcanic zone of Iceland. Inland Waters, 2020, 10, 418-427.	2.2	9
20	Antarctic Glacial Meltwater Impacts the Diversity of Fungal Parasites Associated With Benthic Diatoms in Shallow Coastal Zones. Frontiers in Microbiology, 2022, 13, 805694.	3.5	7
21	Temporal dynamics of freshwater planktonic parasites inferred using a DNA metabarcoding time-series. Parasitology, 2021, 148, 1602-1611.	1.5	4
22	Fungi and Chytrids. , 2021, , .		1