HÃ¥vard Kauserud

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Warming drives a â€˜hummockificationâ€™ of microbial communities associated with decomposing mycorrhizal fungal necromass in peatlands. New Phytologist, 2022, 234, 2032-2043.	7.3	11
2	Population genomics of a forest fungus reveals high gene flow and climate adaptation signatures. Molecular Ecology, 2022, 31, 1963-1979.	3.9	3
3	DNA metabarcoding reveals host-specific communities of arthropods residing in fungal fruit bodies. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212622.	2.6	6
4	Large-scale fungal strain sequencing unravels the molecular diversity in mating loci maintained by long-term balancing selection. PLoS Genetics, 2022, 18, e1010097.	3.5	12
5	Shift in tree species changes the belowground biota of boreal forests. New Phytologist, 2022, 234, 2073-2087.	7.3	10
6	The Indoor Mycobiomes of Daycare Centers Are Affected by Occupancy and Climate. Applied and Environmental Microbiology, 2022, 88, AEM0211321.	3.1	2
7	Legacies of invertebrate exclusion and tree secondary metabolites control fungal communities in dead wood. Molecular Ecology, 2022, 31, 3241-3253.	3.9	6
8	Soil compartments (bulk soil, litter, root and rhizosphere) as main drivers of soil protistan communities distribution in forests with different nitrogen deposition. Soil Biology and Biochemistry, 2022, 168, 108628.	8.8	19
9	Contrasting genetic structuring in the closely related basidiomycetes Trichaptum abietinum and Trichaptum fuscoviolaceum (Hymenochaetales). Fungal Biology, 2021, 125, 269-275.	2.5	5
10	Fungal sporocarps house diverse and host-specific communities of fungicolous fungi. ISME Journal, 2021, 15, 1445-1457.	9.8	24
11	The influence of intraspecific sequence variation during DNA metabarcoding: A case study of eleven fungal species. Molecular Ecology Resources, 2021, 21, 1141-1148.	4.8	39
12	Soil depth matters: shift in composition and inter-kingdom co-occurrence patterns of microorganisms in forest soils. FEMS Microbiology Ecology, 2021, 97, .	2.7	43
13	Analysing indoor mycobiomes through a largeâ€scale citizen science study in Norway. Molecular Ecology, 2021, 30, 2689-2705.	3.9	12
14	Contrasting demographic histories revealed in two invasive populations of the dry rot fungus <i>Serpula lacrymans</i>. Molecular Ecology, 2021, 30, 2772-2789.	3.9	6
15	Establishment of spruce plantations in native birch forests reduces soil fungal diversity. FEMS Microbiology Ecology, 2021, 97, .	2.7	6
16	Fungal community dynamics across a forestâ€“alpine ecotone. Molecular Ecology, 2021, 30, 4926-4938.	3.9	13
17	Spatiotemporal variation of the indoor mycobiome in daycare centers. Microbiome, 2021, 9, 220.	11.1	9
18	Secondary metabolites and nutrients explain fungal community composition in aspen wood. Fungal Ecology, 2021, , 101115.	1.6	3

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19	Glacier retreat in the High Arctic: opportunity or threat for ectomycorrhizal diversity?. FEMS Microbiology Ecology, 2020, 96, .	2.7	5
20	Community composition of arctic root-associated fungi mirrors host plant phylogeny. FEMS Microbiology Ecology, 2020, 96, .	2.7	16
21	<i>In vitro</i> evidence of root colonization suggests ecological versatility in the genus <i>Mycena</i>. New Phytologist, 2020, 227, 601-612.	7.3	41
22	Altitudinal upwards shifts in fungal fruiting in the Alps. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192348.	2.6	20
23	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. Fungal Diversity, 2020, 105, 1-16.	12.3	387
24	Biogeography of plant rootâ€associated fungal communities in the North Atlantic region mirrors climatic variability. Journal of Biogeography, 2019, 46, 1532-1546.	3.0	14
25	DNA metabarcodingâ€"Need for robust experimental designs to draw sound ecological conclusions. Molecular Ecology, 2019, 28, 1857-1862.	3.9	300
26	Openâ€source data reveal how collectionsâ€based fungal diversity is sensitive to global change. Applications in Plant Sciences, 2019, 7, e01227.	2.1	28
27	A single ectomycorrhizal plant root system includes a diverse and spatially structured fungal community. Mycorrhiza, 2019, 29, 167-180.	2.8	22
28	Spruce and beech as local determinants of forest fungal community structure in litter, humus and mineral soil. FEMS Microbiology Ecology, 2019, 95, .	2.7	24
29	Fungarium specimens: a largely untapped source in global change biology and beyond. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20170392.	4.0	34
30	Sequence clustering threshold has little effect on the recovery of microbial community structure. Molecular Ecology Resources, 2018, 18, 1064-1076.	4.8	17
31	Explaining European fungal fruiting phenology with climate variability. Ecology, 2018, 99, 1306-1315.	3.2	29
32	Revealing hidden insectâ€"fungus interactions; moderately specialized, modular and anti-nested detritivore networks. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172833.	2.6	16
33	The fungus that came in from the cold: dry rotâ€™s pre-adapted ability to invade buildings. ISME Journal, 2018, 12, 791-801.	9.8	23
34	Traitâ€dependent distributional shifts in fruiting of common British fungi. Ecography, 2018, 41, 51-61.	4.5	19
35	Fungal communities influence decomposition rates of plant litter from two dominant tree species. Fungal Ecology, 2018, 32, 1-8.	1.6	35
36	Congruency in fungal phenology patterns across dataset sources and scales. Fungal Ecology, 2018, 32, 9-17.	1.6	14

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37	Coming up short: Identifying substrate and geographic biases in fungal sequence databases. Fungal Ecology, 2018, 36, 75-80.	1.6	11
38	Exclusion of invertebrates influences saprotrophic fungal community and wood decay rate in an experimental field study. Functional Ecology, 2018, 32, 2571-2582.	3.6	25
39	Continentalâ€scale macrofungal assemblage patterns correlate with climate, soil carbon and nitrogen deposition. Journal of Biogeography, 2018, 45, 1942-1953.	3.0	35
40	Planktonic protistan communities in lakes along a large-scale environmental gradient. FEMS Microbiology Ecology, 2017, 93, fiw231.	2.7	28
41	Big data integration: Pan-European fungal species observations' assembly for addressing contemporary questions in ecology and global change biology. Fungal Biology Reviews, 2017, 31, 88-98.	4.7	45
42	Does warming by open-top chambers induce change in the root-associated fungal community of the arctic dwarf shrub Cassiope tetragona (Ericaceae)?. Mycorrhiza, 2017, 27, 513-524.	2.8	21
43	Fungal communities in Scandinavian lakes along a longitudinal gradient. Fungal Ecology, 2017, 27, 36-46.	1.6	43
44	Wood-inhabiting insects can function as targeted vectors for decomposer fungi. Fungal Ecology, 2017, 29, 76-84.	1.6	47
45	Yeasts dominate soil fungal communities in three lowland Neotropical rainforests. Environmental Microbiology Reports, 2017, 9, 668-675.	2.4	14
46	<scp>ITS</scp> all right mama: investigating the formation of chimeric sequences in the <scp>ITS</scp>2 region by <scp>DNA</scp> metabarcoding analyses of fungal mock communities of different complexities. Molecular Ecology Resources, 2017, 17, 730-741.	4.8	52
47	Fineâ€scale spatiotemporal dynamics of fungal fruiting: prevalence, amplitude, range and continuity. Ecography, 2017, 40, 947-959.	4.5	14
48	Fungal diversity and seasonal succession in ash leaves infected by the invasive ascomycete Hymenoscyphus fraxineus. New Phytologist, 2017, 213, 1405-1417.	7.3	58
49	Host and tissue variations overshadow the response of boreal mossâ€associated fungal communities to increased nitrogen load. Molecular Ecology, 2017, 26, 571-588.	3.9	25
50	Climate impacts on fungal community and trait dynamics. Fungal Ecology, 2016, 22, 17-25.	1.6	44
51	Fungi Sailing the Arctic Ocean: Speciose Communities in North Atlantic Driftwood as Revealed by High-Throughput Amplicon Sequencing. Microbial Ecology, 2016, 72, 295-304.	2.8	47
52	Ectomycorrhizal and saprotrophic fungi respond differently to longâ€term experimentally increased snow depth in the High Arctic. MicrobiologyOpen, 2016, 5, 856-869.	3.0	30
53	Temporal variation of <i>Bistorta vivipara</i>â€associated ectomycorrhizal fungal communities in the High Arctic. Molecular Ecology, 2015, 24, 6289-6302.	3.9	39
54	Primary succession of <scp><i>B</i></scp><i>istorta vivipara</i> (<scp>L</scp>.) <scp>D</scp>elabre (<scp>P</scp>olygonaceae) rootâ€associated fungi mirrors plant succession in two glacial chronosequences. Environmental Microbiology, 2015, 17, 2777-2790.	3.8	40

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55	How many DNA markers are needed to reveal cryptic fungal species?. Fungal Biology, 2015, 119, 940-945.	2.5	39
56	Links between Genetic Groups, Indole Alkaloid Profiles and Ecology within the Grass-Parasitic Claviceps purpurea Species Complex. Toxins, 2015, 7, 1431-1456.	3.4	28
57	Mycorrhizal fungal communities in coastal sand dunes and heaths investigated by pyrosequencing analyses. Mycorrhiza, 2015, 25, 447-456.	2.8	12
58	Arctic fungal communities associated with roots of Bistorta vivipara do not respond to the same fineâ€scale edaphic gradients as the aboveground vegetation. New Phytologist, 2015, 205, 1587-1597.	7.3	37
59	Arctic rootâ€associated fungal community composition reflects environmental filtering. Molecular Ecology, 2014, 23, 649-659.	3.9	64
60	Low host specificity of rootâ€associated fungi at an Arctic site. Molecular Ecology, 2014, 23, 975-985.	3.9	77
61	Climate variation effects on fungal fruiting. Fungal Ecology, 2014, 10, 20-33.	1.6	148
62	Improving ITS sequence data for identification of plant pathogenic fungi. Fungal Diversity, 2014, 67, 11-19.	12.3	123
63	Fungi ahoy! Diversity on marine wooden substrata in the high North. Fungal Ecology, 2014, 8, 46-58.	1.6	97
64	Forestry impacts on the hidden fungal biodiversity associated with bryophytes. FEMS Microbiology Ecology, 2014, 90, 313-325.	2.7	20
65	Population structure of Serpula lacrymans in Europe with an outlook to the French population. Mycologia, 2014, 106, 889-895.	1.9	7
66	Population structure of Serpula lacrymans in Europe with an outlook to the French population. Mycologia, 2014, 106, 889-895.	1.9	2
67	Substantial compositional turnover of fungal communities in an alpine ridgeâ€toâ€snowbed gradient. Molecular Ecology, 2013, 22, 5040-5052.	3.9	38
68	<scp>ITS</scp>1 versus <scp>ITS</scp>2 as <scp>DNA</scp> metabarcodes for fungi. Molecular Ecology Resources, 2013, 13, 218-224.	4.8	340
69	Unraveling environmental drivers of a recent increase in Swiss fungi fruiting. Global Change Biology, 2013, 19, 2785-2794.	9.5	39
70	Host- and tissue-specificity of moss-associated Galerina and Mycena determined from amplicon pyrosequencing data. Fungal Ecology, 2013, 6, 179-186.	1.6	27
71	Ampliconâ€pyrosequencingâ€based detection of compositional shifts in bryophyteâ€associated fungal communities along an elevation gradient. Molecular Ecology, 2013, 22, 368-383.	3.9	58
72	Fungal palaeodiversity revealed using highâ€throughput metabarcoding of ancient <scp>DNA</scp> from arctic permafrost. Environmental Microbiology, 2013, 15, 1176-1189.	3.8	115

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73	A phylogeographic survey of a circumboreal polypore indicates introgression among ecologically differentiated cryptic lineages. Fungal Ecology, 2013, 6, 119-128.	1.6	11
74	Employing 454 amplicon pyrosequencing to reveal intragenomic divergence in the internal transcribed spacer <scp>rDNA</scp> region in fungi. Ecology and Evolution, 2013, 3, 1751-1764.	1.9	97
75	Fungal community analysis by highâ€throughput sequencing of amplified markers â€" a user's guide. New Phytologist, 2013, 199, 288-299.	7.3	747
76	Molecular Characterization of Sexual Diversity in a Population of <i>Serpula lacrymans</i>, a Tetrapolar Basidiomycete. G3: Genes, Genomes, Genetics, 2013, 3, 145-152.	1.8	15
77	Reply to Gange et al.: Climate-driven changes in the fungal fruiting season in the United Kingdom. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E335.	7.1	4
78	Different bacterial communities in ectomycorrhizae and surrounding soil. Scientific Reports, 2013, 3, 3471.	3.3	77
79	Microsatellite markers for <i>Hylocomium splendens</i> (Hylocomiaceae). American Journal of Botany, 2012, 99, e344-6.	1.7	2
80	Microsatellite markers for <i>Bistorta vivipara</i> (Polygonaceae). American Journal of Botany, 2012, 99, e226-9.	1.7	5
81	Warming-induced shift in European mushroom fruiting phenology. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14488-14493.	7.1	104
82	Species delimitation, bioclimatic range, and conservation status of the threatened lichen Fuscopannaria confusa. Lichenologist, 2012, 44, 565-575.	0.8	17
83	Evolutionary origin, worldwide dispersal, and population genetics of the dry rot fungus Serpula lacrymans. Fungal Biology Reviews, 2012, 26, 84-93.	4.7	16
84	Drought-induced decline in Mediterranean truffle harvest. Nature Climate Change, 2012, 2, 827-829.	18.8	90
85	Seasonal trends in the biomass and structure of bryophyteâ€associated fungal communities explored by 454 pyrosequencing. New Phytologist, 2012, 195, 844-856.	7.3	94
86	Don't make a mista(g)ke: is tag switching an overlooked source of error in amplicon pyrosequencing studies?. Fungal Ecology, 2012, 5, 747-749.	1.6	166
87	Environmental microbiology through the lens of high-throughput DNA sequencing: Synopsis of current platforms and bioinformatics approaches. Journal of Microbiological Methods, 2012, 91, 106-113.	1.6	115
88	Linking climate variability to mushroom productivity and phenology. Frontiers in Ecology and the Environment, 2012, 10, 14-19.	4.0	84
89	High consistency between replicate 454 pyrosequencing analyses of ectomycorrhizal plant root samples. Mycorrhiza, 2012, 22, 309-315.	2.8	55
90	Changes in the rootâ€associated fungal communities along a primary succession gradient analysed by 454 pyrosequencing. Molecular Ecology, 2012, 21, 1897-1908.	3.9	172

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91	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. Molecular Ecology, 2012, 21, 1821-1833.	3.9	259
92	Multiple cryptic species with divergent substrate affinities in the Serpula himantioides species complex. Fungal Biology, 2011, 115, 54-61.	2.5	33
93	Towards standardization of the description and publication of nextâ€generation sequencing datasets of fungal communities. New Phytologist, 2011, 191, 314-318.	7.3	85
94	Evolutionary history of Serpulaceae (Basidiomycota): molecular phylogeny, historical biogeography and evidence for a single transition of nutritional mode. BMC Evolutionary Biology, 2011, 11, 230.	3.2	64
95	Mushroom's spore size and time of fruiting are strongly related: is moisture important?. Biology Letters, 2011, 7, 273-276.	2.3	58
96	The Plant Cell Wallâ€"Decomposing Machinery Underlies the Functional Diversity of Forest Fungi. Science, 2011, 333, 762-765.	12.6	512
97	ITS as an environmental DNA barcode for fungi: an in silico approach reveals potential PCR biases. BMC Microbiology, 2010, 10, 189.	3.3	792
98	High diversity of root associated fungi in both alpine and arctic Dryas octopetala. BMC Plant Biology, 2010, 10, 244.	3.6	109
99	High variability in a mating type linked region in the dry rot fungus Serpula lacrymans caused by frequency-dependent selection?. BMC Genetics, 2010, 11, 64.	2.7	7
100	Two invasive populations of the dry rot fungus<i>Serpula lacrymans</i>show divergent population genetic structures. Molecular Ecology, 2010, 19, 706-715.	3.9	17
101	Climate change and spring-fruiting fungi. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1169-1177.	2.6	81
102	Microsatellite markers show decreasing diversity but unchanged level of clonality in<i>Dryas octopetala</i>(Rosaceae) with increasing latitude. American Journal of Botany, 2010, 97, 988-997.	1.7	16
103	Fungal biomass associated with the phyllosphere of bryophytes and vascular plants. Mycological Research, 2009, 113, 1254-1260.	2.5	62
104	Modelling and predicting fungal distribution patterns using herbarium data. Journal of Biogeography, 2008, 35, 2298-2310.	3.0	102
105	Relationship between basidiospore size, shape and life history characteristics: a comparison of polypores. Fungal Ecology, 2008, 1, 19-23.	1.6	49
106	Mushroom fruiting and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3811-3814.	7.1	166
107	High diversity of fungi associated with living parts of boreal forest bryophytes. Botany, 2008, 86, 1326-1333.	1.0	74
108	Multilocus sequencing reveals multiple geographically structured lineages of Coniophora arida and C. olivacea (Boletales) in North America. Mycologia, 2007, 99, 705-713.	1.9	12

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109	Multilocus sequencing reveals multiple geographically structured lineages of Coniophora arida and C. olivacea (Boletales) in North America. Mycologia, 2007, 99, 705-713.	1.9	17
110	Asian origin and rapid global spread of the destructive dry rot fungus <i>Serpula lacrymans</i>. Molecular Ecology, 2007, 16, 3350-3360.	3.9	60
111	Analysis of Environmental 18S Ribosomal RNA Sequences reveals Unknown Diversity of the Cosmopolitan Phylum Telonemia. Protist, 2007, 158, 173-180.	1.5	34
112	Accelerated nrDNA evolution and profound AT bias in the medicinal fungus Cordyceps sinensis. Mycological Research, 2007, 111, 409-415.	2.5	31
113	Pronounced ecological separation between two closely related lineages of the polyporous fungus Gloeoporus taxicola. Mycological Research, 2007, 111, 778-786.	2.5	14
114	Genetics of self/nonself recognition in Serpula lacrymans. Fungal Genetics and Biology, 2006, 43, 503-510.	2.1	32
115	Isolation and characterization of 15 polymorphic microsatellite markers for the devastating dry rot fungus, Serpula lacrymans. Molecular Ecology Notes, 2006, 6, 1022-1024.	1.7	9
116	Hybridization among cryptic species of the cellar fungus Coniophora puteana (Basidiomycota). Molecular Ecology, 2006, 16, 389-399.	3.9	54
117	Molecular characterization of airborne fungal spores in boreal forests of contrasting human disturbance. Mycologia, 2005, 97, 1215-1224.	1.9	21
118	GalerinaEarle: A polyphyletic genus in the consortium of dark-spored agarics. Mycologia, 2005, 97, 823-837.	1.9	19
119	Multiple gene genealogies and AFLPs suggest cryptic speciation and long-distance dispersal in the basidiomycete Serpula himantioides (Boletales). Molecular Ecology, 2005, 15, 421-431.	3.9	55
120	Molecular characterization of airborne fungal spores in boreal forests of contrasting human disturbance. Mycologia, 2005, 97, 1215-1224.	1.9	33
121	Galerina Earle: A polyphyletic genus in the consortium of dark-spored agarics. Mycologia, 2005, 97, 823-837.	1.9	40
122	Widespread Vegetative Compatibility Groups in the Dry-Rot Fungus Serpula lacrymans. Mycologia, 2004, 96, 232.	1.9	14
123	Molecular phylogenetics suggest a North American link between the anthropogenic dry rot fungus Serpula lacrymans and its wild relative S. himantioides. Molecular Ecology, 2004, 13, 3137-3146.	3.9	23
124	Extremely low AFLP variation in the European dry rot fungus (Serpula lacrymans): implications for self/nonself-recognition. Mycological Research, 2004, 108, 1264-1270.	2.5	18
125	Phellinus nigrolimitatusâ€”a wood-decomposing fungus highly influenced by forestry. Forest Ecology and Management, 2004, 187, 333-343.	3.2	61
126	Widespread vegetative compatibility groups in the dry-rot fungusSerpula lacrymans. Mycologia, 2004, 96, 232-239.	1.9	19

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127	Widespread vegetative compatibility groups in the dry-rot fungus Serpula lacrymans. Mycologia, 2004, 96, 232-9.	1.9	4
128	Genetic structure of Fennoscandian populations of the threatened wood-decay fungus Fomitopsis rosea (Basidiomycota). Mycological Research, 2003, 107, 155-163.	2.5	25
129	Ribosomal DNA variation, recombination and inheritance in the basidiomycete Trichaptum abietinum: implications for reticulate evolution. Heredity, 2003, 91, 163-172.	2.6	33
130	Regional and local population structure of the pioneer wood-decay fungus Trichaptum abietinum. Mycologia, 2003, 95, 416-25.	1.9	3
131	Population structure of the endangered wood decay fungus Phellinus nigrolimitatus (Basidiomycota). Canadian Journal of Botany, 2002, 80, 597-606.	1.1	21
132	Outcrossing or inbreeding: DNA markers provide evidence for type of reproductive mode in Phellinus nigrolimitatus (Basidiomycota). Mycological Research, 2001, 105, 676-683.	2.5	71