Karl-Henrik Larsson

List of Publications by Year
in descending order

82 papers	17,621 citations	94433 37 h-index	58581 82 g-index
82 all docs	82 docs citations	82 times ranked	16120 citing authors

#	Article	IF	Citations
1	Towards a unified paradigm for sequenceâ€based identification of fungi. Molecular Ecology, 2013, 22, 5271-5277.	3.9	2,997
2	Global diversity and geography of soil fungi. Science, 2014, 346, 1256688.	12.6	2,513
3	The UNITE database for molecular identification of fungi: handling dark taxa and parallel taxonomic classifications. Nucleic Acids Research, 2019, 47, D259-D264.	14.5	2,072
4	A higher-level phylogenetic classification of the Fungi. Mycological Research, 2007, 111, 509-547.	2.5	1,994
5	The UNITE database for molecular identification of fungi â€“ recent updates and future perspectives. New Phytologist, 2010, 186, 281-285.	7.3	1,563
6	UNITE: a database providing webâ€based methods for the molecular identification of ectomycorrhizal fungi. New Phytologist, 2005, 166, 1063-1068.	7.3	912
7	Taxonomic Reliability of DNA Sequences in Public Sequence Databases: A Fungal Perspective. PLoS ONE, 2006, 1, e59.	2.5	508
8	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. Fungal Diversity, 2020, 105, 1-16.	12.3	387
9	Fine scale distribution of ectomycorrhizal fungi and roots across substrate layers including coarse woody debris in a mixed forest. New Phytologist, 2003, 159, 153-165.	7.3	344
10	Finding Evolutionary Processes Hidden in Cryptic Species. Trends in Ecology and Evolution, 2018, 33, 153-163.	8.7	340
11	Re-thinking the classification of corticioid fungi. Mycological Research, 2007, 111, 1040-1063.	2.5	285
12	Phylogenetic and phylogenomic overview of the Polyporales. Mycologia, 2013, 105, 1350-1373.	1.9	259
13	High phylogenetic diversity among corticioid homobasidiomycetes. Mycological Research, 2004, 108, 983-1002.	2.5	250
14	Comparative Genomics of Early-Diverging Mushroom-Forming Fungi Provides Insights into the Origins of Lignocellulose Decay Capabilities. Molecular Biology and Evolution, 2016, 33, 959-970.	8.9	213
15	PlutoFâ€”a Web Based Workbench for Ecological and Taxonomic Research, with an Online Implementation for Fungal ITS Sequences. Evolutionary Bioinformatics, 2010, 6, EBO.S6271.	1.2	203
16	A revised family-level classification of the Polyporales (Basidiomycota). Fungal Biology, 2017, 121, 798-824.	2.5	190
17	Global diversity and distribution of macrofungi. Biodiversity and Conservation, 2007, 16, 37-48.	2.6	184
18	Amylocorticiales ord. nov. and Jaapiales ord. nov.: Early diverging clades of Agaricomycetidae dominated by corticioid forms. Mycologia, 2010, 102, 865-880.	1.9	165

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19	Hymenochaetales: a molecular phylogeny for the hymenochaetoid clade. Mycologia, 2006, 98, 926-936.	1.9	164
20	Phylogenetic relationships of russuloid basidiomycetes with emphasis on aphyllophoralean taxa. Mycologia, 2003, 95, 1037-1065.	1.9	140
21	The cantharelloid clade: dealing with incongruent gene trees and phylogenetic reconstruction methods. Mycologia, 2006, 98, 937-948.	1.9	135
22	Hymenochaetales: a molecular phylogeny for the hymenochaetoid clade. Mycologia, 2006, 98, 926-936.	1.9	126
23	Improving ITS sequence data for identification of plant pathogenic fungi. Fungal Diversity, 2014, 67, 11-19.	12.3	123
24	The Taxon Hypothesis Paradigmâ€"On the Unambiguous Detection and Communication of Taxa. Microorganisms, 2020, 8, 1910.	3.6	114
25	Wood-inhabiting fungi in stems of Fraxinus excelsior in declining ash stands of northern Lithuania, with particular reference to Armillaria cepistipes. Scandinavian Journal of Forest Research, 2005, 20, 337-346.	1.4	103
26	Identifying wood-inhabiting fungi with 454 sequencing â€“ what is the probability that BLAST gives the correct species?. Fungal Ecology, 2010, 3, 274-283.	1.6	97
27	Species associations during the succession of wood-inhabiting fungal communities. Fungal Ecology, 2014, 11, 17-28.	1.6	91
28	Perspectives in the new Russulales. Mycologia, 2006, 98, 960-970.	1.9	90
29	Towards standardization of the description and publication of nextâ€generation sequencing datasets of fungal communities. New Phytologist, 2011, 191, 314-318.	7.3	85
30	Comprehensive taxon sampling reveals unaccounted diversity and morphological plasticity in a group of dimitic polypores (Polyporales, Basidiomycota). Cladistics, 2012, 28, 251-270.	3.3	78
31	Sidera, a new genus in Hymenochaetales with poroid and hydnoid species. Mycological Progress, 2011, 10, 131-141.	1.4	55
32	Legacies from natural forest dynamics: Different effects of forest management on wood-inhabiting fungi in pine and spruce forests. Forest Ecology and Management, 2011, 261, 1707-1721.	3.2	54
33	Tidying Up International Nucleotide Sequence Databases: Ecological, Geographical and Sequence Quality Annotation of ITS Sequences of Mycorrhizal Fungi. PLoS ONE, 2011, 6, e24940.	2.5	51
34	Basidiospore dispersal in the oldâ€growth forest fungus Phlebia centrifuga (Basidiomycetes). Nordic Journal of Botany, 2000, 20, 215-219.	0.5	49
35	Stipitate stereoid basidiocarps have evolved multiple times. Mycologia, 2012, 104, 1046-1055.	1.9	45
36	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. IMA Fungus, 2018, 9, 167-175.	3.8	45

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37	Species richness and community composition of mat-forming ectomycorrhizal fungi in old- and second-growth Douglas-fir forests of the HJ Andrews Experimental Forest, Oregon, USA. Mycorrhiza, 2007, 17, 633-645.	2.8	39
38	Fruiting body-guided molecular identification of root-tip mantle mycelia provides strong indications of ectomycorrhizal associations in two species of Sistotrema (Basidiomycota). Mycological Research, 2006, 110, 1426-1432.	2.5	38
39	Molecular phylogeny of Hyphoderma and the reinstatement of Peniophorella. Mycological Research, 2007, 111, 186-195.	2.5	34
40	Poroid species in Trechispora and the use of calcium oxalate crystals for species identification. Mycological Research, 1994, 98, 1153-1172.	2.5	31
41	Airborne fungal colonisation of coarse woody debris in North Temperate Picea abies forest: impact of season and local spatial scale. Mycological Research, 2005, 109, 487-496.	2.5	31
42	Survey of corticioid fungi in North American pinaceous forests reveals hyperdiversity, underpopulated sequence databases, and species that are potentially ectomycorrhizal. Mycologia, 2017, 109, 115-127.	1.9	31
43	Molecular analyses confirm Brevicellicium in Trechisporales. IMA Fungus, 2013, 4, 21-28.	3.8	23
44	Additions to the taxonomy of Lagarobasidium and Xylodon (Hymenochaetales, Basidiomycota). MycoKeys, 2018, 41, 65-90.	1.9	21
45	Cryptic Species â€“ More Than Terminological Chaos: A Reply to Heethoff. Trends in Ecology and Evolution, 2018, 33, 310-312.	8.7	20
46	Genus revisions and new combinations of some North European polypores. Karstenia, 2005, 45, 75-80.	0.4	16
47	New species and combinations in Trechispora (Corticiaceae, Basidiomycotina). Nordic Journal of Botany, 1996, 16, 83-98.	0.5	14
48	Morphology, anatomy, and molecular studies of the ectomycorrhiza formed axenically by the fungus Sistotrema sp. (Basidiomycota). Mycological Progress, 2012, 11, 817-826.	1.4	14
49	Studies in the Phaeotremella foliacea group (Tremellomycetes, Basidiomycota). Mycological Progress, 2018, 17, 451-466.	1.4	14
50	Additions to Trechispora and the status of Scytinopogon (Trechisporales, Basidiomycota). Mycological Progress, 2021, 20, 203-222.	1.4	14
51	Stereopsidales - A New Order of Mushroom-Forming Fungi. PLoS ONE, 2014, 9, e95227.	2.5	13
52	Tretomyces gen. novum, Byssocorticium caeruleum sp. nova, and New Combinations inDendrotheleandPseudomerulius(Basidiomycota). Annales Botanici Fennici, 2011, 48, 37-48.	0.1	12
53	Revision of Protohydnum (Auriculariales, Basidiomycota). Mycological Progress, 2018, 17, 805-814.	1.4	12
54	Morphological plasticity in brown-rot fungi: Antrodia is redefined to encompass both poroid and corticioid species. Mycologia, 2019, 111, 871-883.	1.9	12

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55	Multigene phylogeny and taxonomic revision of Atheliales s.l.: Reinstatement of three families and one new family, Lobuliciaceae fam. nov.. Fungal Biology, 2021, 125, 239-255.	2.5	12
56	On the Hyphoderma praetermissum complex. Mycological Research, 1994, 98, 1012-1018.	2.5	11
57	Two new species in Hyphoderma. Nordic Journal of Botany, 1998, 18, 121-127.	0.5	11
58	Two new Trechispora species from La RÃ©union Island. Mycological Progress, 2015, 14, 1.	1.4	11
59	What is the type species of Phanerochaete (Polyporales, Basidiomycota)?. Mycological Progress, 2017, 16, 171-183.	1.4	11
60	Two new genera and six other novelties in Heterochaete sensu lato (Auriculariales, Basidiomycota). Botany, 2019, 97, 439-451.	1.0	11
61	On Protomerulius and Heterochaetella (Auriculariales, Basidiomycota). Mycological Progress, 2019, 18, 1079-1099.	1.4	11
62	Competing sexual-asexual generic names in Agaricomycotina (Basidiomycota) with recommendations for use. IMA Fungus, 2021, 12, 22.	3.8	11
63	Short-spored Subulicystidium (Trechisporales, Basidiomycota): high morphological diversity and only partly clear species boundaries. MycoKeys, 2018, 35, 41-99.	1.9	11
64	Reassessment of the generic limits for Hydnellum and Sarcodon (Thelephorales, Basidiomycota). MycoKeys, 2019, 54, 31-47.	1.9	11
65	On some forgotten species of Exidia and Myxarium (Auriculariales, Basidiomycota). Nordic Journal of Botany, 2018, 36, njb-01601.	0.5	10
66	A convolute diversity of the Auriculariales (Agaricomycetes , Basidiomycota) with sphaeropedunculate basidia. Nordic Journal of Botany, 2019, 37, .	0.5	10
67	Taxonomic novelties in Trechispora (Trechisporales, Basidiomycota) from Brazil. Mycological Progress, 2020, 19, 1403-1414.	1.4	10
68	Taxomomy, ecology and phylogenetic relationships of Bovista pusilla and B. limosa in North Europe. Mycological Progress, 2009, 8, 289-299.	1.4	8
69	New records of intrahymenial heterobasidiomycetes (Basidiomycota) in north Europe. Nordic Journal of Botany, 2016, 34, 475-477.	0.5	8
70	A note on the incidence of reverse complementary fungal ITS sequences in the public sequence databases and a software tool for their detection and reorientation. Mycoscience, 2011, 52, 278-282.	0.8	7
71	(1255) Proposal to reject the names Xylodon and Schizopora in favour of Hyphodontia , nom. cons. (Fungi, Corticiaceae). Taxon, 1996, 45, 685-686.	0.7	5
72	Studies in the Stypella vermiformis group (Auriculariales, Basidiomycota). Antonie Van Leeuwenhoek, 2019, 112, 753-764.	1.7	5

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73	Morphologically similar but not closely related: the long-spored species of Subulicystidium (Trechisporales, Basidiomycota). Mycological Progress, 2020, 19, 691-703.	1.4	5
74	Solving the taxonomic identity of Pseudotomentella tristis s.l. (Thelephorales, Basidiomycota) â€“ a multi-gene phylogeny and taxonomic review, integrating ecological and geographical data. MycoKeys, 2019, 50, 1-77.	1.9	5
75	On Craterocolla and Ditangium (Sebacinales, Basidiomycota). Mycological Progress, 2019, 18, 753-762.	1.4	4
76	Aphyllophoroid fungi in insular woodlands of eastern Ukraine. Biodiversity Data Journal, 2017, 5, e22426.	0.8	4
77	New and Noteworthy Species of Helicogloea (Atractiellomycetes, Basidiomycota) from Europe. Annales Botanici Fennici, 2020, 57, 1.	0.1	4
78	On Sistotremastrum and similar-looking taxa (Trechisporales, Basidiomycota). Mycological Progress, 2021, 20, 453-476.	1.4	3
79	Studies in Basidiodendron eyrei and similar-looking taxa (Auriculariales, Basidiomycota). Botany, 2020, 98, 623-638.	1.0	3
80	Allophlebia, a new genus to accomodate Phlebia ludoviciana (Agaricomycetes, Polyporales). Mycological Progress, 2022, 21, .	1.4	3
81	Taxonomy of Trechispora farinacea and proposed synonyms II. Species with a smooth hymenophore. Nordic Journal of Botany, 1996, 16, 73-82.	0.5	2
82	Pseudotomentella badjelanndana, Pseudotomentella sorjusensis and Tomentella viridibasidiaâ€”three new corticioid Thelephorales species from the Scandes Mountains . Phytotaxa, 2021, 497, 61-78.	0.3	1