Jan Stenlid

List of Publications by Citations

280 papers	15,657 citations	60 h-index	115 g-index
286 ext. papers	18,221 ext. citations	4.8 avg, IF	6.41 L-index

#	Paper	IF	Citations
280	The Paleozoic origin of enzymatic lignin decomposition reconstructed from 31 fungal genomes. *Science*, **2012**, 336, 1715-9	33.3	1129
279	New primers to amplify the fungal ITS2 region--evaluation by 454-sequencing of artificial and natural communities. *FEMS Microbiology Ecology*, **2012**, 82, 666-77	4.3	985
278	Roots and associated fungi drive long-term carbon sequestration in boreal forest. *Science*, **2013**, 339, 1615-8	33.3	866
277	Spatial separation of litter decomposition and mycorrhizal nitrogen uptake in a boreal forest. *New Phytologist*, **2007**, 173, 611-620	9.8	658
276	Fungal community analysis by high-throughput sequencing of amplified markers--a user's guide. *New Phytologist*, **2013**, 199, 288-299	9.8	601
275	The plant cell wall-decomposing machinery underlies the functional diversity of forest fungi. *Science*, **2011**, 333, 762-5	33.3	417
274	Biogeographical patterns and determinants of invasion by forest pathogens in Europe. *New Phytologist*, **2013**, 197, 238-250	9.8	351
273	Carbon sequestration is related to mycorrhizal fungal community shifts during long-term succession in boreal forests. *New Phytologist*, **2015**, 205, 1525-1536	9.8	339
272	Population structure of Heterobasidion annosum as determined by somatic incompatibility, sexual incompatibility, and isoenzyme patterns. *Canadian Journal of Botany*, **1985**, 63, 2268-2273		289
271	Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5458-63	11.5	225
270	Widespread Phytophthora infestations in European nurseries put forest, semi-natural and horticultural ecosystems at high risk of Phytophthora diseases. *Forest Pathology*, **2016**, 46, 134-163	1.2	187
269	Conifer root and butt rot caused by Heterobasidion annosum (Fr.) Bref. s.l. *Molecular Plant Pathology*, **2005**, 6, 395-409	5.7	183
268	Intraspecific genetic variation in Heterobasidion annosum revealed by amplification of minisatellite DNA. *Mycological Research*, **1994**, 98, 57-63		171
267	Insight into trade-off between wood decay and parasitism from the genome of a fungal forest pathogen. *New Phytologist*, **2012**, 194, 1001-1013	9.8	168
266	Size, distribution and biomass of genets in populations of Suillus bovinus (L.: Fr.) Roussel revealed by somatic incompatibility. *New Phytologist*, **1994**, 128, 225-234	9.8	158
265	Population structure and dynamics in Suillus bovinus as indicated by spatial distribution of fungal clones. *New Phytologist*, **1990**, 115, 487-493	9.8	150
264	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. *Ecology Letters*, **2017**, 20, 1414-1426	10	149

263	Diversity and abundance of resupinate thelephoroid fungi as ectomycorrhizal symbionts in Swedish boreal forests. *Molecular Ecology*, **2000**, 9, 1985-96	5.7	148
262	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. *Perspectives in Plant Ecology, Evolution and Systematics*, **2013**, 15, 281-291	3	143
261	Biotic homogenization can decrease landscape-scale forest multifunctionality. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 3557-62	11.5	134
260	Emerging pathogens: fungal host jumps following anthropogenic introduction. *Trends in Ecology and Evolution*, **2005**, 20, 420-1	10.9	129
259	Translocation of 32P between interacting mycelia of a wood-decomposing fungus and ectomycorrhizal fungi in microcosm systems. *New Phytologist*, **1999**, 144, 183-193	9.8	129
258	Patterns of fungal communities among and within decaying logs, revealed by 454 sequencing. *Molecular Ecology*, **2012**, 21, 4514-32	5.7	128
257	Replacing monocultures with mixed-species stands: Ecosystem service implications of two production forest alternatives in Sweden. *Ambio*, **2016**, 45 Suppl 2, 124-39	6.5	125
256	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. *Nature Communications*, **2016**, 7, 11109	17.4	120
255	The effect of fungal pathogens on the water and carbon economy of trees: implications for drought-induced mortality. *New Phytologist*, **2014**, 203, 1028-1035	9.8	117
254	Fungal communities in mycorrhizal roots of conifer seedlings in forest nurseries under different cultivation systems, assessed by morphotyping, direct sequencing and mycelial isolation. *Mycorrhiza*, **2005**, 16, 33-41	3.9	115
253	Investigations concerning the role of Chalara fraxinea in declining Fraxinus excelsior. *Plant Pathology*, **2009**, 58, 284-292	2.8	110
252	Controlling and predicting the spread of heterobasidion annosum from infected stumps and trees of picea abies. *Scandinavian Journal of Forest Research*, **1987**, 2, 187-198	1.7	106
251	Ecology and molecular characterization of dark septate fungi from roots, living stems, coarse and fine woody debris. *Mycological Research*, **2004**, 108, 965-73		100
250	Occurrence and pathogenicity of fungi in necrotic and non-symptomatic shoots of declining common ash (Fraxinus excelsior) in Sweden. *European Journal of Forest Research*, **2009**, 128, 51-60	2.7	84
249	Retracing the routes of introduction of invasive species: the case of the Sirex noctilio woodwasp. *Molecular Ecology*, **2012**, 21, 5728-44	5.7	83
248	Spatiotemporal patterns in ectomycorrhizal populations. *Canadian Journal of Botany*, **1995**, 73, 1222-1230		83
247	Population Dynamics of the Root Rot Fungus Heterobasidion annosum Following Thinning of Picea abies. *Oikos*, **1993**, 66, 247	4	83
246	The importance of inoculum size for the competitive ability of wood decomposing fungi. *FEMS Microbiology Ecology*, **1993**, 12, 169-176	4.3	83

245	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	1.7	80
244	Partial intersterility in Heterobasidion annosum. *Mycological Research*, **1991**, 95, 1153-1159		79
243	Plant pathogens. Mitochondrial control of fungal hybrid virulence. *Nature*, **2001**, 411, 438	50.4	78
242	Towards standardization of the description and publication of next-generation sequencing datasets of fungal communities. *New Phytologist*, **2011**, 191, 314-318	9.8	77
241	Evolution of family 18 glycoside hydrolases: diversity, domain structures and phylogenetic relationships. *Journal of Molecular Microbiology and Biotechnology*, **2009**, 16, 208-23	0.9	75
240	Effects of resource availability on mycelial interactions and 32P transfer between a saprotrophic and an ectomycorrhizal fungus in soil microcosms. *FEMS Microbiology Ecology*, **2001**, 38, 43-52	4.3	75
239	Species associations during the succession of wood-inhabiting fungal communities. *Fungal Ecology*, **2014**, 11, 17-28	4.1	73
238	Pathogenic fungal species hybrids infecting plants. *Microbes and Infection*, **2002**, 4, 1353-9	9.3	73
237	Initial fungal colonizer affects mass loss and fungal community development in Picea abies logs 6yr after inoculation. *Fungal Ecology*, **2011**, 4, 449-460	4.1	71
236	Emerging Diseases in European Forest Ecosystems and Responses in Society. *Forests*, **2011**, 2, 486-504	2.8	71
235	Wood-inhabiting fungal communities in woody debris of Norway spruce (Picea abies (L.) Karst.), as reflected by sporocarps, mycelial isolations and T-RFLP identification. *FEMS Microbiology Ecology*, **2006**, 55, 57-67	4.3	69
234	Spore deposition of wood-decaying fungi: importance of landscape composition. *Ecography*, **2004**, 27, 103-111	6.5	68
233	Transmission of double-stranded RNA in Heterobasidion annosum. *Fungal Genetics and Biology*, **2002**, 36, 147-54	3.9	68
232	Evolutionary history of the conifer root rot fungus Heterobasidion annosum sensu lato. *Molecular Ecology*, **2010**, 19, 4979-93	5.7	66
231	Evolutionary significance of imbalanced nuclear ratios within heterokaryons of the basidiomycete fungus Heterobasidion parviporum. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 2279-96	3.8	65
230	Functional analysis of glycoside hydrolase family 18 and 20 genes in Neurospora crassa. *Fungal Genetics and Biology*, **2012**, 49, 717-30	3.9	64
229	Molecular markers reveal genetic isolation and phylogeography of the S and F intersterility groups of the wood-decay fungus Heterobasidion annosum. *Molecular Phylogenetics and Evolution*, **2003**, 29, 94-101	4.1	64
228	Transcriptional analysis of Pinus sylvestris roots challenged with the ectomycorrhizal fungus Laccaria bicolor. *BMC Plant Biology*, **2008**, 8, 19	5.3	63

227	Global diversity and taxonomy of the Inonotus linteus complex (Hymenochaetales, Basidiomycota): Sanghuangporus gen. nov., Tropicoporus excentrodendri and T. guanacastensis gen. et spp. nov., and 17 new combinations. *Fungal Diversity*, **2016**, 77, 335-347	17.6	62
226	Chemical and transcriptional responses of Norway spruce genotypes with different susceptibility to Heterobasidion spp. infection. *BMC Plant Biology*, **2011**, 11, 154	5.3	62
225	Competitive Hierarchies of Wood Decomposing Basidiomycetes in Artificial Systems Based on Variable Inoculum Sizes. *Oikos*, **1997**, 79, 77	4	62
224	Abundance and viability of fungal spores along a forestry gradient responses to habitat loss and isolation?. *Oikos*, **2004**, 104, 35-42	4	62
223	Global geographic distribution and host range of Dothistroma species: a comprehensive review. *Forest Pathology*, **2016**, 46, 408-442	1.2	61
222	Wood-decay fungi in fine living roots of conifer seedlings. *New Phytologist*, **2007**, 174, 441-446	9.8	61
221	Nuclear reassortment between vegetative mycelia in natural populations of the basidiomycete Heterobasidion annosum. *Fungal Genetics and Biology*, **2004**, 41, 563-70	3.9	61
220	Variable response of different functional groups of saproxylic beetles to substrate manipulation and forest management: Implications for conservation strategies. *Forest Ecology and Management*, **2007**, 242, 496-510	3.9	59
219	Habitat generalists and specialists in microbial communities across a terrestrial-freshwater gradient. *Scientific Reports*, **2016**, 6, 37719	4.9	58
218	Molecular identification of wood-inhabiting fungi in an unmanaged Picea abies forest in Sweden. *Forest Ecology and Management*, **1999**, 115, 203-211	3.9	58
217	Differential growth of S- and P-isolates of Heterobasidion annosum in Picea abies and Pinus sylvestris. *Transactions of the British Mycological Society*, **1988**, 90, 209-213		58
216	Utilizing ITS1 and ITS2 to study environmental fungal diversity using pyrosequencing. *FEMS Microbiology Ecology*, **2013**, 84, 165-75	4.3	57
215	Stump removal to control root disease in Canada and Scandinavia: A synthesis of results from long-term trials. *Forest Ecology and Management*, **2013**, 290, 5-14	3.9	57
214	Selective replacement between species of wood-rotting basidiomycetes, a laboratory study. *Mycological Research*, **1997**, 101, 714-720		57
213	Fungi in decayed roots of conifer seedlings in forest nurseries, afforested clear-cuts and abandoned farmland. *Plant Pathology*, **2006**, 55, 117-129	2.8	57
212	Comparative evolutionary histories of the fungal chitinase gene family reveal non-random size expansions and contractions due to adaptive natural selection. *Evolutionary Bioinformatics*, **2008**, 4, 47-60	1.9	56
211	A genome-wide association study identifies genomic regions for virulence in the non-model organism Heterobasidion annosum s.s. *PLoS ONE*, **2013**, 8, e53525	3.7	56
210	Friend or foe? Biological and ecological traits of the European ash dieback pathogen Hymenoscyphus fraxineus in its native environment. *Scientific Reports*, **2016**, 6, 21895	4.9	55

209	Population structure of Hymenoscyphus pseudoalbidus and its genetic relationship to Hymenoscyphus albidus. *Fungal Ecology*, **2012**, 5, 147-153	4.1	54
208	Transcript profiling of a conifer pathosystem: response of Pinus sylvestris root tissues to pathogen (Heterobasidion annosum) invasion. *Tree Physiology*, **2007**, 27, 1441-58	4.2	54
207	Pectic isozyme profiles of intersterility groups in Heterobasidion annosum. *Mycological Research*, **1991**, 95, 531-536		51
206	Socio-ecological implications of modifying rotation lengths in forestry. *Ambio*, **2016**, 45 Suppl 2, 109-23	6.5	50
205	Estimating the frequency of stem rot in Picea abies using an increment borer. *Scandinavian Journal of Forest Research*, **1986**, 1, 303-308	1.7	50
204	Susceptibility of conifer and broadleaf seedlings to Swedish S and P strains of Heterobasidion annosum. *Plant Pathology*, **1995**, 44, 73-79	2.8	49
203	Genetic control of somatic incompatibility in the root-rotting basidiomycete Heterobasidion annosum. *Mycological Research*, **1993**, 97, 1229-1233		49
202	Stump removal to control root rot in forest stands. A literature study. *Silva Fennica*, **2008**, 42,	1.9	49
201	Nitrogen and carbon reallocation in fungal mycelia during decomposition of boreal forest litter. *PLoS ONE*, **2014**, 9, e92897	3.7	48
200	Comparative analysis of transcript abundance in Pinus sylvestris after challenge with a saprotrophic, pathogenic or mutualistic fungus. *Tree Physiology*, **2008**, 28, 885-97	4.2	48
199	Expressed sequences from the basidiomycetous tree pathogen Heterobasidion annosum during early infection of scots pine. *Fungal Genetics and Biology*, **2003**, 39, 51-9	3.9	47
198	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. *Ecology Letters*, **2018**, 21, 31-42	10	47
197	Diverse ecological roles within fungal communities in decomposing logs of Picea abies. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	46
196	Light and scanning electron microscopy studies of the early infection stages of Hymenoscyphus pseudoalbidus on Fraxinus excelsior. *Plant Pathology*, **2013**, 62, 1294-1301	2.8	46
195	Comparative molecular evolution of trichoderma chitinases in response to mycoparasitic interactions. *Evolutionary Bioinformatics*, **2010**, 6, 1-26	1.9	46
194	Fungi inhabiting stems of Picea abies in a managed stand in Lithuania. *Forest Ecology and Management*, **1998**, 109, 119-126	3.9	46
193	Modeling infection and spread of Heterobasidion annosum in even-aged Fennoscandian conifer stands. *Canadian Journal of Forest Research*, **2005**, 35, 74-84	1.9	46
192	Growing evidence for facultative biotrophy in saprotrophic fungi: data from microcosm tests with 201 species of wood-decay basidiomycetes. *New Phytologist*, **2017**, 215, 747-755	9.8	45

191	Modelling root rot incidence in Sweden using tree, site and stand variables. *Scandinavian Journal of Forest Research*, **2005**, 20, 165-176	1.7	45
190	Persistence and long-term impact of Rotstop biological control agent on mycodiversity in Picea abies stumps. *Biological Control*, **2005**, 32, 295-304	3.8	45
189	Planting Betula pendula on pine sites infested by Heterobasidion annosum: disease transfer, silvicultural evaluation, and community of wood-inhabiting fungi. *Canadian Journal of Forest Research*, **2004**, 34, 120-130	1.9	44
188	Heterobasidion annosum infection of Picea abies following manual or mechanized stump treatment. *Scandinavian Journal of Forest Research*, **2005**, 20, 154-164	1.7	44
187	Long-term reduction in the diameter growth of butt rot affected Norway spruce, Picea abies. *Forest Ecology and Management*, **1995**, 74, 239-243	3.9	44
186	Somatic incompatibility and nuclear reassortment in Heterobasidion annosum. *Mycological Research*, **1993**, 97, 1223-1228		44
185	Changes in fungal community of Scots pine (Pinus sylvestris) needles along a latitudinal gradient in Sweden. *Fungal Ecology*, **2015**, 17, 126-139	4.1	43
184	Glucose and ammonium additions affect needle decomposition and carbon allocation by the litter degrading fungus Mycena epipterygia. *Soil Biology and Biochemistry*, **2008**, 40, 995-999	7.5	43
183	Population structure of the wood decay fungus Fomitopsis pinicola. *Heredity*, **1999**, 83 (Pt 3), 354-60	3.6	43
182	Fungi vectored by the bark beetle Ips typographus following hibernation under the bark of standing trees and in the forest litter. *Microbial Ecology*, **2009**, 58, 651-9	4.4	41
181	Impact of biological (Rotstop) and chemical (urea) treatments on fungal community structure in freshly cut Picea abies stumps. *Biological Control*, **2004**, 31, 405-413	3.8	41
180	Population structure and responses to disturbance of the basidiomycete Resinicium bicolor. *Oecologia*, **1990**, 85, 178-184	2.9	40
179	A Picea abies linkage map based on SNP markers identifies QTLs for four aspects of resistance to Heterobasidion parviporum infection. *PLoS ONE*, **2014**, 9, e101049	3.7	39
178	Population structure and mating system in Marasmius androsaceus Fr. *New Phytologist*, **1991**, 119, 307-314	3.8	39
177	Afforestation of abandoned farmland with conifer seedlings inoculated with three ectomycorrhizal fungi - impact on plant performance and ectomycorrhizal community. *Mycorrhiza*, **2007**, 17, 337-348	3.9	38
176	Effects of clear-cutting, thinning, and wood moisture content on the susceptibility of Norway spruce stumps to Heterobasidion annosum. *Canadian Journal of Forest Research*, **1998**, 28, 759-765	1.9	38
175	Phenotypic interactions between tree hosts and invasive forest pathogens in the light of globalization and climate change. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	38
174	Identification of Norway Spruce MYB-bHLH-WDR Transcription Factor Complex Members Linked to Regulation of the Flavonoid Pathway. *Frontiers in Plant Science*, **2017**, 8, 305	6.2	35

173	Intronic and plasmid-derived regions contribute to the large mitochondrial genome sizes of Agaricomycetes. *Current Genetics*, **2014**, 60, 303-13	2.9	35
172	Clonality and genetic variation in Amylostereum areolatum and A. chailletii from northern Europe. *New Phytologist*, **1998**, 139, 751-758	9.8	35
171	Urea treatment reduced Heterobasidion annosum s.l. root rot in Picea abies after 15 years. *Forest Ecology and Management*, **2008**, 255, 2876-2882	3.9	35
170	Identifying the tree species compositions that maximize ecosystem functioning in European forests. *Journal of Applied Ecology*, **2019**, 56, 733-744	5.8	35
169	Bark beetles have a decisive impact on fungal communities in Norway spruce stem sections. *Fungal Ecology*, **2014**, 7, 47-58	4.1	34
168	Do bark beetles facilitate the establishment of rot fungi in Norway spruce?. *Fungal Ecology*, **2011**, 4, 262-269	4.1	34
167	Fungal C translocation restricts N-mineralization in heterogeneous environments. *Functional Ecology*, **2010**, 24, 454-459	5.6	34
166	Calcium concentrations of soil affect suppressiveness against Aphanomyces root rot of pea. *Soil Biology and Biochemistry*, **2007**, 39, 2222-2229	7.5	34
165	Molecular and morphological investigation of Daldinia in northern Europe. *Mycological Research*, **2000**, 104, 275-280		34
164	Population genetics of Fomitopsis rosea□a wood-decay fungus of the old-growth European taiga. *Molecular Ecology*, **1999**, 8, 703-710	5.7	34
163	Root rot, associated fungi and their impact on health condition of declining Fraxinus excelsior stands in Lithuania. *Scandinavian Journal of Forest Research*, **2011**, 26, 128-135	1.7	33
162	Differential gene expression during interactions between Heterobasidion annosum and Physisporinus sanguinolentus. *FEMS Microbiology Letters*, **2004**, 241, 79-85	2.9	33
161	Diffuse competition for heterogeneous substrate in soil among six species of wood-decomposing basidiomycetes. *Oecologia*, **1996**, 106, 531-538	2.9	33
160	Butt rot incidence, causal fungi, and related yield loss in Picea abies stands of Latvia. *Canadian Journal of Forest Research*, **2011**, 41, 2337-2345	1.9	32
159	Fungal disease incidence along tree diversity gradients depends on latitude in European forests. *Ecology and Evolution*, **2016**, 6, 2426-38	2.8	32
158	Biosynthesis of fomannoxin in the root rotting pathogen Heterobasidion occidentale. *Phytochemistry*, **2012**, 84, 31-9	4	31
157	Double-stranded RNA transmission through basidiospores of Heterobasidion annosum. *Mycological Research*, **2004**, 108, 149-53		31
156	Silvicultural and pathological evaluation of Scots pine afforestations mixed with deciduous trees to reduce the infections by Heterobasidion annosum s.s.. *Forest Ecology and Management*, **2004**, 201, 275-285	3.9	30

155	Diplodia Tip Blight on Its Way to the North: Drivers of Disease Emergence in Northern Europe. *Frontiers in Plant Science*, **2018**, 9, 1818	6.2	29
154	Understanding the role of sapwood loss and reaction zone formation on radial growth of Norway spruce (Picea abies) trees decayed by Heterobasidion annosum s.l.. *Forest Ecology and Management*, **2012**, 274, 201-209	3.9	29
153	Identification of quantitative trait loci affecting virulence in the basidiomycete Heterobasidion annosum s.l. *Current Genetics*, **2007**, 52, 35-44	2.9	29
152	An AFLP-markers based genetic linkage map of Heterobasidion annosum locating intersterility genes. *Fungal Genetics and Biology*, **2005**, 42, 519-27	3.9	29
151	Enniatins of Fusarium sp. strain F31 and their inhibition of Botrytis cinerea spore germination. *Journal of Natural Products*, **2004**, 67, 851-7	4.9	29
150	Spread of S and P group isolates of Heterobasidion annosum within and among Picea abies trees in central Lithuania. *Canadian Journal of Forest Research*, **1998**, 28, 961-966	1.9	29
149	Optimized metabarcoding with Pacific biosciences enables semi-quantitative analysis of fungal communities. *New Phytologist*, **2020**, 228,	9.8	28
148	Fungal communities in Norway spruce stumps along a latitudinal gradient in Sweden. *Forest Ecology and Management*, **2016**, 371, 50-58	3.9	28
147	The primary module in Norway spruce defence signalling against H. annosum s.l. seems to be jasmonate-mediated signalling without antagonism of salicylate-mediated signalling. *Planta*, **2013**, 237, 1037-45	4.7	28
146	Fungi in foliage and shoots of Fraxinus excelsior in eastern Ukraine: a first report on Hymenoscyphus pseudoalbidus. *Forest Pathology*, **2013**, 43, 462-467	1.2	28
145	QTL mapping of resistance to leaf rust in Salix. *Tree Genetics and Genomes*, **2011**, 7, 1219-1235	2.1	28
144	Heterobasidion annosum root rot in Picea abies: Modelling economic outcomes of stump treatment in Scandinavian coniferous forests. *Scandinavian Journal of Forest Research*, **2006**, 21, 414-423	1.7	28
143	Variation in spread of Heterobasidion annosum in clones of Picea abies grown at different vegetation phases under greenhouse conditions. *Scandinavian Journal of Forest Research*, **1996**, 11, 137-144	1.7	28
142	Population genetics of the wood-decay fungus Phlebia centrifuga P. Karst. in fragmented and continuous habitats. *Molecular Ecology*, **2007**, 16, 3326-33	5.7	27
141	Airborne fungal colonisation of coarse woody debris in North Temperate Picea abies forest: impact of season and local spatial scale. *Mycological Research*, **2005**, 109, 487-96		27
140	Comparison of five strains of Phlebiopsis gigantea and two Trichoderma formulations for treatment against natural Heterobasidion spore infections on Norway spruce stumps. *Scandinavian Journal of Forest Research*, **2005**, 20, 12-17	1.7	27
139	Development of primer sets to amplify fragments of conserved genes for use in population studies of the fungus Daldinia loculata. *Molecular Ecology*, **2000**, 9, 375-8	5.7	27
138	Genetic differentiation in Fomitopsis pinicola (Schwarts: Fr.) Karst studied by means of arbitrary primed-PCR. *Molecular Ecology*, **1995**, 4, 675-80	5.7	27

137	Linking fungal communities to wood density loss after 12 years of log decay. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	26
136	Evolution of RNA interference proteins dicer and argonaute in Basidiomycota. *Mycologia*, **2013**, 105, 1489-98	2.4	26
135	Seed-borne Botryosphaeria spp. from native Prunus and Podocarpus trees in Ethiopia, with a description of the anamorph Diplodia rosulata sp. nov. *Mycological Research*, **2005**, 109, 1005-14		26
134	Pectinolytic activity and isozymes in European Armillaria species. *Canadian Journal of Botany*, **1991**, 69, 2732-2739		26
133	Do foliar fungal communities of Norway spruce shift along a tree species diversity gradient in mature European forests?. *Fungal Ecology*, **2016**, 23, 97-108	4.1	26
132	Sequence polymorphism and molecular characterization of laccase genes of the conifer pathogen Heterobasidion annosum. *Mycological Research*, **2004**, 108, 136-48		25
131	Vegetative compatibility groups of Amylostereum areolatum and A. chailletii from Sweden and Lithuania. *Mycological Research*, **1999**, 103, 824-829		25
130	Tansley Review No. 19 Environmental and endogenous controls of developmental pathways: variation and its significance in the forest pathogen, Heterobasidion annosum. *New Phytologist*, **1989**, 113, 245-258	9.8	25
129	Functional traits associated with the establishment of introduced Phytophthora spp. in Swedish forests. *Journal of Applied Ecology*, **2018**, 55, 1538-1552	5.8	24
128	Spread of Heterobasidion annosum s.s. and Heterobasidion parviporum in Picea abies 15 years after stump inoculation. *FEMS Microbiology Ecology*, **2011**, 75, 414-29	4.3	24
127	Butt rot incidence, yield and growth pattern in a tree species experiment in southwestern Sweden. *Forest Ecology and Management*, **1995**, 76, 87-93	3.9	24
126	Different Alleles of a Gene Encoding Leucoanthocyanidin Reductase (PaLAR3) Influence Resistance against the Fungus Heterobasidion parviporum in Picea abies. *Plant Physiology*, **2016**, 171, 2671-81	6.6	23
125	Long-term effects of mechanized stump treatment against Heterobasidion annosum root rot in Picea abies. *Canadian Journal of Forest Research*, **2010**, 40, 1020-1033	1.9	23
124	Foliar fungi of Betula pendula: impact of tree species mixtures and assessment methods. *Scientific Reports*, **2017**, 7, 41801	4.9	23
123	Patterns of nuclear migration and heterokaryosis in pairings between sibling homokaryons of Heterobasidion annosum. *Mycological Research*, **1991**, 95, 1275-1283		22
122	Fungal communities in organically grown winter wheat affected by plant organ and development stage. *European Journal of Plant Pathology*, **2016**, 146, 401-417	2.1	22
121	Reaction zone and periodic increment decrease in Picea abies trees infected by Heterobasidion annosum s.l.. *Forest Ecology and Management*, **2010**, 260, 692-698	3.9	21
120	Variation in growth of Heterobasidion parviporum in a full-sib family of Picea abies. *Scandinavian Journal of Forest Research*, **2010**, 25, 106-110	1.7	21

119	Distribution and evolution of het gene homologs in the basidiomycota. *Fungal Genetics and Biology*, **2014**, 64, 45-57	3.9	20
118	Occurrence and impact of the root-rot biocontrol agent Phlebiopsis gigantea on soil fungal communities in Picea abies forests of northern Europe. *FEMS Microbiology Ecology*, **2012**, 81, 438-45	4.3	20
117	Viridin-like steroids from Hymenoscyphus pseudoalbidus. *Phytochemistry*, **2013**, 86, 195-200	4	20
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