D Lee Taylor

List of Publications by Citations

78	7,098	39	80
papers	citations	h-index	g-index
80	8,472	5.2	5.64
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
78	Towards a unified paradigm for sequence-based identification of fungi. *Molecular Ecology*, **2013**, 22, 5271-7	5.7	2019
77	Community structure of ectomycorrhizal fungi in a Pinus muricata forest: minimal overlap between the mature forest and resistant propagule communities. *Molecular Ecology*, **1999**, 8, 1837-50	5.7	339
76	A sequence database for the identification of ectomycorrhizal basidiomycetes by phylogenetic analysis. *Molecular Ecology*, **1998**, 7, 257-272	5.7	253
75	Independent, specialized invasions of ectomycorrhizal mutualism by two nonphotosynthetic orchids. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 4510-5	11.5	226
74	A first comprehensive census of fungi in soil reveals both hyperdiversity and fine-scale niche partitioning. *Ecological Monographs*, **2014**, 84, 3-20	9	223
73	Internal transcribed spacer primers and sequences for improved characterization of basidiomycetous orchid mycorrhizas. *New Phytologist*, **2008**, 177, 1020-1033	9.8	202
72	Host specificity in ectomycorrhizal communities: what do the exceptions tell us?. *Integrative and Comparative Biology*, **2002**, 42, 352-9	2.8	187
71	Accurate Estimation of Fungal Diversity and Abundance through Improved Lineage-Specific Primers Optimized for Illumina Amplicon Sequencing. *Applied and Environmental Microbiology*, **2016**, 82, 7217-7226	4.8	180
70	Detection of forest stand-level spatial structure in ectomycorrhizal fungal communities. *FEMS Microbiology Ecology*, **2004**, 49, 319-32	4.3	178
69	Symbiotic germination and development of the myco-heterotrophic orchid Neottia nidus-avis in nature and its requirement for locally distributed Sebacina spp.. *New Phytologist*, **2002**, 154, 233-247	9.8	178
68	An empirical test of partner choice mechanisms in a wild legume-rhizobium interaction. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 77-81	4.4	146
67	Stable isotope fingerprinting: a novel method for identifying plant, fungal, or bacterial origins of amino acids. *Ecology*, **2009**, 90, 3526-35	4.6	140
66	Population, habitat and genetic correlates of mycorrhizal specialization in the 'cheating' orchids corallorhiza maculata and C. mertensiana. *Molecular Ecology*, **1999**, 8, 1719-32	5.7	139
65	High specificity generally characterizes mycorrhizal association in rare lady's slipper orchids, genus Cypripedium. *Molecular Ecology*, **2005**, 14, 613-26	5.7	135
64	Symbiotic germination and development of myco-heterotrophic plants in nature: ontogeny of Corallorhiza trifida and characterization of its mycorrhizal fungi. *New Phytologist*, **2000**, 145, 523-537	9.8	129
63	Partner choice in nitrogen-fixation mutualisms of legumes and rhizobia. *Integrative and Comparative Biology*, **2002**, 42, 369-80	2.8	127
62	Divergence in mycorrhizal specialization within Hexalectris spicata (Orchidaceae), a nonphotosynthetic desert orchid. *American Journal of Botany*, **2003**, 90, 1168-79	2.7	125

61	Beringian origins and cryptic speciation events in the fly agaric (Amanita muscaria). *Molecular Ecology*, **2006**, 15, 225-39	5.7	124
60	An arctic community of symbiotic fungi assembled by long-distance dispersers: phylogenetic diversity of ectomycorrhizal basidiomycetes in Svalbard based on soil and sporocarp DNA. *Journal of Biogeography*, **2012**, 39, 74-88	4.1	119
59	The evolutionary history of mycorrhizal specificity among lady's slipper orchids. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 1380-90	3.8	115
58	Resilience of Alaska□ boreal forest to climatic changeThis article is one of a selection of papers from The Dynamics of Change in Alaska□ Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. *Canadian Journal of Forest Research*, **2010**, 40, 1360-1370	1.9	109
57	Limitations on orchid recruitment: not a simple picture. *Molecular Ecology*, **2012**, 21, 1511-23	5.7	103
56	Rich and cold: diversity, distribution and drivers of fungal communities in patterned-ground ecosystems of the North American Arctic. *Molecular Ecology*, **2014**, 23, 3258-72	5.7	102
55	Evidence for strong inter- and intracontinental phylogeographic structure in Amanita muscaria, a wind-dispersed ectomycorrhizal basidiomycete. *Molecular Phylogenetics and Evolution*, **2008**, 48, 694-701	4.1	102
54	Evidence for mycorrhizal races in a cheating orchid. *Proceedings of the Royal Society B: Biological Sciences*, **2004**, 271, 35-43	4.4	81
53	Structure and resilience of fungal communities in Alaskan boreal forest soilsThis article is one of a selection of papers from The Dynamics of Change in Alaska□ Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. *Canadian Journal of Forest Research*, **2010**, 40, 1288-1301	1.9	78
52	Identification of mycorrhizal fungi from single pelotons of Dactylorhiza majalis (Orchidaceae) using single-strand conformation polymorphism and mitochondrial ribosomal large subunit DNA sequences. *Molecular Ecology*, **2001**, 10, 2089-93	5.7	74
51	Peeking through a frosty window: molecular insights into the ecology of Arctic soil fungi. *Fungal Ecology*, **2012**, 5, 419-429	4.1	59
50	TOPO TA is A-OK: a test of phylogenetic bias in fungal environmental clone library construction. *Environmental Microbiology*, **2007**, 9, 1329-34	5.2	58
49	Abundance and distribution of Corallorhiza odontorhiza reflect variations in climate and ectomycorrhizae. *Ecological Monographs*, **2009**, 79, 619-635	9	57
48	Molecular phylogenetic biodiversity assessment of arctic and boreal ectomycorrhizal Lactarius Pers. (Russulales; Basidiomycota) in Alaska, based on soil and sporocarp DNA. *Molecular Ecology*, **2009**, 18, 2213-27	5.7	56
47	Surviving climate changes: high genetic diversity and transoceanic gene flow in two arctic□lpine lichens, Flavocetraria cucullata and F. nivalis (Parmeliaceae, Ascomycota). *Journal of Biogeography*, **2010**, 37, 1529	4.1	53
46	Nitrogen deposition alters plant-fungal relationships: linking belowground dynamics to aboveground vegetation change. *Molecular Ecology*, **2014**, 23, 1364-78	5.7	51
45	Root-associated ectomycorrhizal fungi shared by various boreal forest seedlings naturally regenerating after a fire in interior alaska and correlation of different fungi with host growth responses. *Applied and Environmental Microbiology*, **2011**, 77, 3351-9	4.8	50
44	A narrowly endemic photosynthetic orchid is non-specific in its mycorrhizal associations. *Molecular Ecology*, **2013**, 22, 2341-54	5.7	41

43	Mycorrhizal specificity in the fully mycoheterotrophic Hexalectris Raf. (Orchidaceae: Epidendroideae). *Molecular Ecology*, **2011**, 20, 1303-16	5.7	41
42	Increasing ecological inference from high throughput sequencing of fungi in the environment through a tagging approach. *Molecular Ecology Resources*, **2008**, 8, 742-52	8.4	41
41	Phylogenetic and ecological analyses of soil and sporocarp DNA sequences reveal high diversity and strong habitat partitioning in the boreal ectomycorrhizal genus Russula (Russulales; Basidiomycota). *New Phytologist*, **2010**, 187, 494-507	9.8	40
40	Molecular diversity assessment of arctic and boreal Agaricus taxa. *Mycologia*, **2008**, 100, 577-89	2.4	39
39	Rangewide analysis of fungal associations in the fully mycoheterotrophic Corallorhiza striata complex (Orchidaceae) reveals extreme specificity on ectomycorrhizal Tomentella (Thelephoraceae) across North America. *American Journal of Botany*, **2010**, 97, 628-43	2.7	38
38	Change in soil fungal community structure driven by a decline in ectomycorrhizal fungi following a mountain pine beetle (Dendroctonus ponderosae) outbreak. *New Phytologist*, **2017**, 213, 864-873	9.8	37
37	Frequent circumarctic and rare transequatorial dispersals in the lichenised agaric genus Lichenomphalia (Hygrophoraceae, Basidiomycota). *Fungal Biology*, **2012**, 116, 388-400	2.8	37
36	Germination patterns in three terrestrial orchids relate to abundance of mycorrhizal fungi. *Journal of Ecology*, **2016**, 104, 744-754	6	35
35	Below-ground plant traits influence tundra plant acquisition of newly thawed permafrost nitrogen. *Journal of Ecology*, **2019**, 107, 950-962	6	28
34	Meeting report: fungal its workshop (october 2012). *Standards in Genomic Sciences*, **2013**, 8, 118-23		26
33	Host species and habitat affect nodulation by specific Frankia genotypes in two species of Alnus in interior Alaska. *Oecologia*, **2009**, 160, 619-30	2.9	25
32	Intercontinental divergence in the Populus-associated ectomycorrhizal fungus, Tricholoma populinum. *New Phytologist*, **2012**, 194, 548-560	9.8	23
31	Resilience of Arctic mycorrhizal fungal communities after wildfire facilitated by resprouting shrubs. *Ecoscience*, **2013**, 20, 296-310	1.1	22
30	The Soil Fungi **2015**, 77-109		22
29	A bioinformatics pipeline for sequence-based analyses of fungal biodiversity. *Methods in Molecular Biology*, **2011**, 722, 141-55	1.4	22
28	Ecosystem-level consequences of symbiont partnerships in an N-fixing shrub from interior Alaskan floodplains. *Ecological Monographs*, **2013**, 83, 177-194	9	18
27	Phylogeny of Fomitopsis pinicola: a species complex. *Mycologia*, **2016**, 108, 925-938	2.4	17
26	Fire-severity effects on plant-fungal interactions after a novel tundra wildfire disturbance: implications for arctic shrub and tree migration. *BMC Ecology*, **2016**, 16, 25	2.7	17

25	Myco-heterotroph-fungus marriages - is fidelity over-rated?. *New Phytologist*, **2004**, 163, 217-221	9.8	17
24	Mycobiont contribution to tundra plant acquisition of permafrost-derived nitrogen. *New Phytologist*, **2020**, 226, 126-141	9.8	17
23	The potential for mycobiont sharing between shrubs and seedlings to facilitate tree establishment after wildfire at Alaska arctic treeline. *Molecular Ecology*, **2017**, 26, 3826-3838	5.7	15
22	Evaluation of the authenticity of a highly novel environmental sequence from boreal forest soil using ribosomal RNA secondary structure modeling. *Molecular Phylogenetics and Evolution*, **2013**, 67, 234-45	4.1	15
21	A new dawn —the ecological genetics of mycorrhizal fungi. *New Phytologist*, **2000**, 147, 236-239	9.8	14
20	Archaeorhizomycetes: Patterns of Distribution and Abundance in Soil. *Soil Biology*, **2013**, 333-349	1	14
19	Fomitopsis mounceae and F. schrenkii-two new species from North America in the F. pinicola complex. *Mycologia*, **2019**, 111, 339-357	2.4	12
18	Plant Identity Influences Foliar Fungal Symbionts More Than Elevation in the Colorado Rocky Mountains. *Microbial Ecology*, **2019**, 78, 688-698	4.4	11
17	Getting to the root of the matter: landscape implications of plant-fungal interactions for tree migration in Alaska. *Landscape Ecology*, **2016**, 31, 895-911	4.3	11
16	Uncommon ectomycorrhizal networks: richness and distribution of Alnus-associating ectomycorrhizal fungal communities. *New Phytologist*, **2013**, 198, 978-980	9.8	10
15	Direct amplification of DNA from fresh and preserved ectomycorrhizal root tips. *Journal of Microbiological Methods*, **2010**, 80, 206-8	2.8	10
14	Rivers may constitute an overlooked avenue of dispersal for terrestrial fungi. *Fungal Ecology*, **2018**, 32, 72-79	4.1	9
13	Altitudinal gradients fail to predict fungal symbiont responses to warming. *Ecology*, **2019**, 100, e02740	4.6	8
12	Phosphorus Mobilizing Enzymes of Alnus-Associated Ectomycorrhizal Fungi in an Alaskan Boreal Floodplain. *Forests*, **2019**, 10, 554	2.8	8
11	Phylogeny and assemblage composition of Frankia in Alnus tenuifolia nodules across a primary successional sere in interior Alaska. *Molecular Ecology*, **2013**, 22, 3864-77	5.7	7
10	Variable retention harvesting influences belowground plant-fungal interactions of seedlings in forests of southern Patagonia. *PeerJ*, **2018**, 6, e5008	3.1	7
9	Progress and Prospects for the Ecological Genetics of Mycoheterotrophs **2013**, 245-266		5
8	Microsatellite loci development in mycoheterotrophic Corallorhiza maculata (Orchidaceae) with amplification in C. mertensiana. *American Journal of Botany*, **2011**, 98, e253-5	2.7	5

7	Phylogeographic Analyses of a Boreal-Temperate Ectomycorrhizal Basidiomycete, Amanita Muscaria, Suggest Forest Refugia in Alaska During the Last Glacial Maximum **2010**, 173-186		4
6	Isolation and characterization of new polymorphic microsatellite loci in the mixotrophic orchid Limodorum abortivum L. Swartz (Orchidaceae). *Molecular Ecology Resources*, **2008**, 8, 1117-20	8.4	4
5	Culturable root endophyte communities are shaped by both warming and plant host identity in the Rocky Mountains, USA. *Fungal Ecology*, **2021**, 49, 101002	4.1	3
4	Habitat preferences, distribution, and temporal persistence of a novel fungal taxon in Alaskan boreal forest soils. *Fungal Ecology*, **2014**, 12, 70-77	4.1	2
3	Soil fungal composition changes with shrub encroachment in the northern Chihuahuan Desert. *Fungal Ecology*, **2021**, 53, 101096	4.1	2
2	Limited overall impacts of ectomycorrhizal inoculation on recruitment of boreal trees into Arctic tundra following wildfire belie species-specific responses. *PLoS ONE*, **2020**, 15, e0235932	3.7	1
1	Increasing ecological inference from high throughput sequencing of fungi in the environment through a tagging approach. *Molecular Ecology Resources*, **2008**, 080310190901533-???	8.4	