

D Lee Taylor

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

7,098
citations

39
h-index

80
g-index

80
ext. papers

8,472
ext. citations

5.2
avg. IF

5.64
L-index

#	Paper	IF	Citations
78	Culturable root endophyte communities are shaped by both warming and plant host identity in the Rocky Mountains, USA. <i>Fungal Ecology</i> , 2021 , 49, 101002	4.1	3
77	Soil fungal composition changes with shrub encroachment in the northern Chihuahuan Desert. <i>Fungal Ecology</i> , 2021 , 53, 101096	4.1	2
76	Limited overall impacts of ectomycorrhizal inoculation on recruitment of boreal trees into Arctic tundra following wildfire belie species-specific responses. <i>PLoS ONE</i> , 2020 , 15, e0235932	3.7	1
75	Mycobiont contribution to tundra plant acquisition of permafrost-derived nitrogen. <i>New Phytologist</i> , 2020 , 226, 126-141	9.8	17
74	Plant Identity Influences Foliar Fungal Symbionts More Than Elevation in the Colorado Rocky Mountains. <i>Microbial Ecology</i> , 2019 , 78, 688-698	4.4	11
73	Altitudinal gradients fail to predict fungal symbiont responses to warming. <i>Ecology</i> , 2019 , 100, e02740	4.6	8
72	Fomitopsis mounceae and F. schrenkii-two new species from North America in the F. pinicola complex. <i>Mycologia</i> , 2019 , 111, 339-357	2.4	12
71	Phosphorus Mobilizing Enzymes of Alnus-Associated Ectomycorrhizal Fungi in an Alaskan Boreal Floodplain. <i>Forests</i> , 2019 , 10, 554	2.8	8
70	Below-ground plant traits influence tundra plant acquisition of newly thawed permafrost nitrogen. <i>Journal of Ecology</i> , 2019 , 107, 950-962	6	28
69	Rivers may constitute an overlooked avenue of dispersal for terrestrial fungi. <i>Fungal Ecology</i> , 2018 , 32, 72-79	4.1	9
68	Variable retention harvesting influences belowground plant-fungal interactions of seedlings in forests of southern Patagonia. <i>PeerJ</i> , 2018 , 6, e5008	3.1	7
67	The potential for mycobiont sharing between shrubs and seedlings to facilitate tree establishment after wildfire at Alaska arctic treeline. <i>Molecular Ecology</i> , 2017 , 26, 3826-3838	5.7	15
66	Change in soil fungal community structure driven by a decline in ectomycorrhizal fungi following a mountain pine beetle (<i>Dendroctonus ponderosae</i>) outbreak. <i>New Phytologist</i> , 2017 , 213, 864-873	9.8	37
65	Phylogeny of Fomitopsis pinicola: a species complex. <i>Mycologia</i> , 2016 , 108, 925-938	2.4	17
64	Getting to the root of the matter: landscape implications of plant-fungal interactions for tree migration in Alaska. <i>Landscape Ecology</i> , 2016 , 31, 895-911	4.3	11
63	Fire-severity effects on plant-fungal interactions after a novel tundra wildfire disturbance: implications for arctic shrub and tree migration. <i>BMC Ecology</i> , 2016 , 16, 25	2.7	17
62	Germination patterns in three terrestrial orchids relate to abundance of mycorrhizal fungi. <i>Journal of Ecology</i> , 2016 , 104, 744-754	6	35

61	Accurate Estimation of Fungal Diversity and Abundance through Improved Lineage-Specific Primers Optimized for Illumina Amplicon Sequencing. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 7217-7226	4.8	180
60	The Soil Fungi 2015 , 77-109		22
59	Rich and cold: diversity, distribution and drivers of fungal communities in patterned-ground ecosystems of the North American Arctic. <i>Molecular Ecology</i> , 2014 , 23, 3258-72	5.7	102
58	A first comprehensive census of fungi in soil reveals both hyperdiversity and fine-scale niche partitioning. <i>Ecological Monographs</i> , 2014 , 84, 3-20	9	223
57	Nitrogen deposition alters plant-fungal relationships: linking belowground dynamics to aboveground vegetation change. <i>Molecular Ecology</i> , 2014 , 23, 1364-78	5.7	51
56	Habitat preferences, distribution, and temporal persistence of a novel fungal taxon in Alaskan boreal forest soils. <i>Fungal Ecology</i> , 2014 , 12, 70-77	4.1	2
55	Towards a unified paradigm for sequence-based identification of fungi. <i>Molecular Ecology</i> , 2013 , 22, 5273-7	5.7	2019
54	Resilience of Arctic mycorrhizal fungal communities after wildfire facilitated by resprouting shrubs. <i>Ecoscience</i> , 2013 , 20, 296-310	1.1	22
53	Evaluation of the authenticity of a highly novel environmental sequence from boreal forest soil using ribosomal RNA secondary structure modeling. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 67, 234-45	4.1	15
52	Progress and Prospects for the Ecological Genetics of Mycoheterotrophs 2013 , 245-266		5
51	A narrowly endemic photosynthetic orchid is non-specific in its mycorrhizal associations. <i>Molecular Ecology</i> , 2013 , 22, 2341-54	5.7	41
50	Uncommon ectomycorrhizal networks: richness and distribution of <i>Alnus</i> -associating ectomycorrhizal fungal communities. <i>New Phytologist</i> , 2013 , 198, 978-980	9.8	10
49	Phylogeny and assemblage composition of <i>Frankia</i> in <i>Alnus tenuifolia</i> nodules across a primary successional sere in interior Alaska. <i>Molecular Ecology</i> , 2013 , 22, 3864-77	5.7	7
48	Ecosystem-level consequences of symbiont partnerships in an N-fixing shrub from interior Alaskan floodplains. <i>Ecological Monographs</i> , 2013 , 83, 177-194	9	18
47	Meeting report: fungal its workshop (october 2012). <i>Standards in Genomic Sciences</i> , 2013 , 8, 118-23		26
46	Archaeorhizomycetes: Patterns of Distribution and Abundance in Soil. <i>Soil Biology</i> , 2013 , 333-349	1	14
45	Limitations on orchid recruitment: not a simple picture. <i>Molecular Ecology</i> , 2012 , 21, 1511-23	5.7	103
44	Intercontinental divergence in the <i>Populus</i> -associated ectomycorrhizal fungus, <i>Tricholoma populinum</i> . <i>New Phytologist</i> , 2012 , 194, 548-560	9.8	23

43	Frequent circumarctic and rare transequatorial dispersals in the lichenised agaric genus <i>Lichenomphalia</i> (Hygrophoraceae, Basidiomycota). <i>Fungal Biology</i> , 2012 , 116, 388-400	2.8	37
42	Peeking through a frosty window: molecular insights into the ecology of Arctic soil fungi. <i>Fungal Ecology</i> , 2012 , 5, 419-429	4.1	59
41	An arctic community of symbiotic fungi assembled by long-distance dispersers: phylogenetic diversity of ectomycorrhizal basidiomycetes in Svalbard based on soil and sporocarp DNA. <i>Journal of Biogeography</i> , 2012 , 39, 74-88	4.1	119
40	A bioinformatics pipeline for sequence-based analyses of fungal biodiversity. <i>Methods in Molecular Biology</i> , 2011 , 722, 141-55	1.4	22
39	Mycorrhizal specificity in the fully mycoheterotrophic <i>Hexalectris</i> Raf. (Orchidaceae: Epidendroideae). <i>Molecular Ecology</i> , 2011 , 20, 1303-16	5.7	41
38	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. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3351-9	4.8	50
37	Microsatellite loci development in mycoheterotrophic <i>Corallorhiza maculata</i> (Orchidaceae) with amplification in <i>C. mertensiana</i> . <i>American Journal of Botany</i> , 2011 , 98, e253-5	2.7	5
36	Phylogenetic and ecological analyses of soil and sporocarp DNA sequences reveal high diversity and strong habitat partitioning in the boreal ectomycorrhizal genus <i>Russula</i> (Russulales; Basidiomycota). <i>New Phytologist</i> , 2010 , 187, 494-507	9.8	40
35	Surviving climate changes: high genetic diversity and transoceanic gene flow in two arctic/alpine lichens, <i>Flavocetraria cucullata</i> and <i>F. nivalis</i> (Parmeliaceae, Ascomycota). <i>Journal of Biogeography</i> , 2010 , 37, 1529	4.1	53
34	Rangewide analysis of fungal associations in the fully mycoheterotrophic <i>Corallorhiza striata</i> complex (Orchidaceae) reveals extreme specificity on ectomycorrhizal <i>Tomentella</i> (Thelephoraceae) across North America. <i>American Journal of Botany</i> , 2010 , 97, 628-43	2.7	38
33	Resilience of Alaska's boreal forest to climatic change This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 1360-1370	1.9	109
32	Direct amplification of DNA from fresh and preserved ectomycorrhizal root tips. <i>Journal of Microbiological Methods</i> , 2010 , 80, 206-8	2.8	10
31	Phylogeographic Analyses of a Boreal-Temperate Ectomycorrhizal Basidiomycete, <i>Amanita Muscaria</i> , Suggest Forest Refugia in Alaska During the Last Glacial Maximum 2010 , 173-186		4
30	Structure and resilience of fungal communities in Alaskan boreal forest soils This article is one of a selection of papers from The Dynamics of Change in Alaska's Boreal Forests: Resilience and Vulnerability in Response to Climate Warming.. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 1288-1301	1.9	78
29	Host species and habitat affect nodulation by specific <i>Frankia</i> genotypes in two species of <i>Alnus</i> in interior Alaska. <i>Oecologia</i> , 2009 , 160, 619-30	2.9	25
28	Molecular phylogenetic biodiversity assessment of arctic and boreal ectomycorrhizal <i>Lactarius Pers.</i> (Russulales; Basidiomycota) in Alaska, based on soil and sporocarp DNA. <i>Molecular Ecology</i> , 2009 , 18, 2213-27	5.7	56
27	Abundance and distribution of <i>Corallorhiza odontorhiza</i> reflect variations in climate and ectomycorrhizae. <i>Ecological Monographs</i> , 2009 , 79, 619-635	9	57
26	Stable isotope fingerprinting: a novel method for identifying plant, fungal, or bacterial origins of amino acids. <i>Ecology</i> , 2009 , 90, 3526-35	4.6	140

25	Internal transcribed spacer primers and sequences for improved characterization of basidiomycetous orchid mycorrhizas. <i>New Phytologist</i> , 2008 , 177, 1020-1033	9.8	202
24	Increasing ecological inference from high throughput sequencing of fungi in the environment through a tagging approach. <i>Molecular Ecology Resources</i> , 2008 , 8, 742-52	8.4	41
23	Isolation and characterization of new polymorphic microsatellite loci in the mixotrophic orchid <i>Limodorum abortivum</i> L. Swartz (Orchidaceae). <i>Molecular Ecology Resources</i> , 2008 , 8, 1117-20	8.4	4
22	Molecular diversity assessment of arctic and boreal <i>Agaricus</i> taxa. <i>Mycologia</i> , 2008 , 100, 577-89	2.4	39
21	Evidence for strong inter- and intracontinental phylogeographic structure in <i>Amanita muscaria</i> , a wind-dispersed ectomycorrhizal basidiomycete. <i>Molecular Phylogenetics and Evolution</i> , 2008 , 48, 694-701	4.1	102
20	Increasing ecological inference from high throughput sequencing of fungi in the environment through a tagging approach. <i>Molecular Ecology Resources</i> , 2008 , 080310190901533-???	8.4	
19	TOPO TA is A-OK: a test of phylogenetic bias in fungal environmental clone library construction. <i>Environmental Microbiology</i> , 2007 , 9, 1329-34	5.2	58
18	The evolutionary history of mycorrhizal specificity among lady's slipper orchids. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 1380-90	3.8	115
17	An empirical test of partner choice mechanisms in a wild legume-rhizobium interaction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 77-81	4.4	146
16	Beringian origins and cryptic speciation events in the fly agaric (<i>Amanita muscaria</i>). <i>Molecular Ecology</i> , 2006 , 15, 225-39	5.7	124
15	High specificity generally characterizes mycorrhizal association in rare lady's slipper orchids, genus <i>Cypripedium</i> . <i>Molecular Ecology</i> , 2005 , 14, 613-26	5.7	135
14	Evidence for mycorrhizal races in a cheating orchid. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 35-43	4.4	81
13	Myco-heterotroph-fungus marriages - is fidelity over-rated?. <i>New Phytologist</i> , 2004 , 163, 217-221	9.8	17
12	Detection of forest stand-level spatial structure in ectomycorrhizal fungal communities. <i>FEMS Microbiology Ecology</i> , 2004 , 49, 319-32	4.3	178
11	Divergence in mycorrhizal specialization within <i>Hexalectris spicata</i> (Orchidaceae), a nonphotosynthetic desert orchid. <i>American Journal of Botany</i> , 2003 , 90, 1168-79	2.7	125
10	Symbiotic germination and development of the myco-heterotrophic orchid <i>Neottia nidus-avis</i> in nature and its requirement for locally distributed <i>Sebacina</i> spp.. <i>New Phytologist</i> , 2002 , 154, 233-247	9.8	178
9	Host specificity in ectomycorrhizal communities: what do the exceptions tell us?. <i>Integrative and Comparative Biology</i> , 2002 , 42, 352-9	2.8	187
8	Partner choice in nitrogen-fixation mutualisms of legumes and rhizobia. <i>Integrative and Comparative Biology</i> , 2002 , 42, 369-80	2.8	127

7	Identification of mycorrhizal fungi from single pellets of <i>Dactylorhiza majalis</i> (Orchidaceae) using single-strand conformation polymorphism and mitochondrial ribosomal large subunit DNA sequences. <i>Molecular Ecology</i> , 2001 , 10, 2089-93	5.7	74
6	Symbiotic germination and development of myco-heterotrophic plants in nature: ontogeny of <i>Corallorhiza trifida</i> and characterization of its mycorrhizal fungi. <i>New Phytologist</i> , 2000 , 145, 523-537	9.8	129
5	A new dawn in the ecological genetics of mycorrhizal fungi. <i>New Phytologist</i> , 2000 , 147, 236-239	9.8	14
4	Population, habitat and genetic correlates of mycorrhizal specialization in the 'cheating' orchids <i>Corallorhiza maculata</i> and <i>C. mertensiana</i> . <i>Molecular Ecology</i> , 1999 , 8, 1719-32	5.7	139
3	Community structure of ectomycorrhizal fungi in a <i>Pinus muricata</i> forest: minimal overlap between the mature forest and resistant propagule communities. <i>Molecular Ecology</i> , 1999 , 8, 1837-50	5.7	339
2	A sequence database for the identification of ectomycorrhizal basidiomycetes by phylogenetic analysis. <i>Molecular Ecology</i> , 1998 , 7, 257-272	5.7	253
1	Independent, specialized invasions of ectomycorrhizal mutualism by two nonphotosynthetic orchids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 4510-5 ^{11.5}	11.5	226