P Brandon Matheny

List of Publications by Year
in descending order

77 papers	7,071 citations	201674 27 h-index	74163 75 g-index
78 all docs	78 docs citations	78 times ranked	6883 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	Improving phylogenetic inference of mushrooms with RPB1 and RPB2 nucleotide sequences (Inocybe;) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	483
3	Major clades of Agaricales: a multilocus phylogenetic overview. Mycologia, 2006, 98, 982-995.	1.9	449
4	Using RPB1 sequences to improve phylogenetic inference among mushrooms (Inocybe,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.7	387
5	Contributions of rpb2 and tef1 to the phylogeny of mushrooms and allies (Basidiomycota, Fungi). Molecular Phylogenetics and Evolution, 2007, 43, 430-451.	2.7	341
6	Major clades of Agaricales: a multilocus phylogenetic overview. Mycologia, 2006, 98, 982-995.	1.9	268
7	Out of the Palaeotropics? Historical biogeography and diversification of the cosmopolitan ectomycorrhizal mushroom family Inocybaceae. Journal of Biogeography, 2009, 36, 577-592.	3.0	184
8	Amylocorticiales ord. nov. and Jaapiales ord. nov.: Early diverging clades of Agaricomycetidae dominated by corticioid forms. Mycologia, 2010, 102, 865-880.	1.9	165
9	How to know the fungi: combining field inventories and DNAâ€barcoding to document fungal diversity. New Phytologist, 2017, 214, 913-919.	7.3	118
10	Molecular phylogeny, morphology, pigment chemistry and ecology in Hygrophoraceae (Agaricales). Fungal Diversity, 2014, 64, 1-99.	12.3	108
11	Into and out of the tropics: global diversification patterns in a hyperdiverse clade of ectomycorrhizal fungi. Molecular Ecology, 2016, 25, 630-647.	3.9	108
12	The cantharelloid clade: dealing with incongruent gene trees and phylogenetic reconstruction methods. Mycologia, 2006, 98, 937-948.	1.9	89
13	An overview of the higher level classification of Pucciniomycotina based on combined analyses of nuclear large and small subunit rDNA sequences. Mycologia, 2006, 98, 896-905.	1.9	80
14	Asynchronous origins of ectomycorrhizal clades of Agaricales. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2003-2011.	2.6	77
15	Russulaceae: a new genomic dataset to study ecosystem function and evolutionary diversification of ectomycorrhizal fungi with their tree associates. New Phytologist, 2018, 218, 54-65.	7.3	71
16	A systematic, morphological and ecological overview of the Clavariaceae (Agaricales). Mycologia, 2013, 105, 896-911.	1.9	60
17	Evolution of the Toxins Muscarine and Psilocybin in a Family of Mushroom-Forming Fungi. PLoS ONE, 2013, 8, e64646.	2.5	52
18	Genera of Inocybaceae: New skin for the old ceremony. Mycologia, 2020, 112, 83-120.	1.9	48

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19	Deconstructing the Tricholomataceae (Agaricales) and introduction of the new genera Albomagister, Corneriella, Pogonoloma and Pseudotricholoma. Taxon, 2014, 63, 993-1007.	0.7	46
20	A Re-Evaluation of Gasteroid and Cyphelloid Species of Entolomataceae from Eastern North America. Harvard Papers in Botany, 2011, 16, 293-310.	0.2	45
21	Six simple guidelines for introducing new genera of fungi. IMA Fungus, 2015, 6, A65-A68.	3.8	44
22	The new genus Auritella from Africa and Australia (Inocybaceae, Agaricales): molecular systematics, taxonomy and historical biogeography. Mycological Progress, 2006, 5, 2-17.	1.4	42
23	A compendium of generic names of agarics and Agaricales. Taxon, 2020, 69, 425-447.	0.7	38
24	Tubariomyces, a new genus of Inocybaceae from the Mediterranean region. Mycologia, 2010, 102, 1389-1397.	1.9	35
25	New species of Inocybe from Dicymbe forests of Guyana. Mycological Research, 2003, 107, 495-505.	2.5	32
26	Where are they hiding? Testing the body snatchers hypothesis in pyrophilous fungi. Fungal Ecology, 2020, 43, 100870.	1.6	32
27	Cleistocybe, a new genus of Agaricales. Mycoscience, 2007, 48, 282-289.	0.8	31
28	Inocybe section Rimosae in Utah: phylogenetic affinities and new species. Mycologia, 2013, 105, 728-747.	1.9	29
29	CrassisporiumandRomagnesiella: two new genera of dark-spored Agaricales. Systematics and Biodiversity, 2015, 13, 28-41.	1.2	28
30	Phylogenetic inference and trait evolution of the psychedelic mushroom genusPsilocybesensu lato (Agaricales). Botany, 2013, 91, 573-591.	1.0	27
31	The genus Inocybe (Inocybaceae, Agaricales, Basidiomycota) in Thailand and Malaysia. Phytotaxa, 2015, 230, 201.	0.3	27
32	Ingestion of a newly described North American mushroom species from Michigan resulting in chronic renal failure:Cortinarius orellanosus. Clinical Toxicology, 2010, 48, 545-549.	1.9	26
33	New species of Inocybe (Inocybaceae) from eastern North America1. Journal of the Torrey Botanical Society, 2019, 146, 213.	0.3	26
34	Pyrophilous fungi detected after wildfires in the Great Smoky Mountains National Park expand known species ranges and biodiversity estimates. Mycologia, 2020, 112, 677-698.	1.9	25
35	Phylogenetic taxonomy of theInocybe splendensgroup and evolution of supersection â€œMarginataeâ€• Mycologia, 2010, 102, 560-573.	1.9	22
36	Long-distance dispersal and speciation of Australasian and American species of Cortinarius sect. Cortinarius. Mycologia, 2015, 107, 697-709.	1.9	22

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37	Two new species of Inocybe from Australia and North America that include novel secotioid forms. Botany, 2014, 92, 9-22.	1.0	21
38	Evolutionary transition to the ectomycorrhizal habit in the genomes of a hyperdiverse lineage of mushroomâ€forming fungi. New Phytologist, 2022, 233, 2294-2309.	7.3	21
39	Multilocus phylogenetic reconstruction of the Clavariaceae (Agaricales) reveals polyphyly of agaricoid members. Mycologia, 2016, 108, 860-868.	1.9	20
40	New and noteworthy species of Inocybe (Agaricales) from tropical India. Mycological Progress, 2016, 15, 1.	1.4	20
41	Stable isotope analyses reveal previously unknown trophic mode diversity in the Hymenochaetales. American Journal of Botany, 2018, 105, 1869-1887.	1.7	19
42	Mycoparasitism between Squamanita paradoxa and Cystoderma amianthinum (Cystodermateae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	17
43	Revision of pyrophilous taxa ofPholiotadescribed from North America reveals four speciesâ€"P. brunnescens, P. castanea, P. highlandensis, andP. molesta. Mycologia, 2018, 110, 997-1016.	1.9	16
44	Coalescent-based delimitation and species-tree estimations reveal Appalachian origin and Neogene diversification in Russula subsection Roseinae. Molecular Phylogenetics and Evolution, 2020, 147, 106787.	2.7	15
45	Six new species and reports of Hydnum (Cantharellales) from eastern North America. MycoKeys, 2018, 42, 35-72.	1.9	15
46	Basidiospore homoplasy and variation in theInocybe chelanensisgroup in North America. Mycologia, 2004, 96, 295-309.	1.9	13
47	Craterellus fallax, a Black Trumpet mushroom from eastern North America with a broad host range. Mycorrhiza, 2010, 20, 569-575.	2.8	13
48	Circumscription of species of Hodophilus (Clavariaceae, Agaricales) in North America with naphthalene odours. Botany, 2016, 94, 941-956.	1.0	13
49	Taxonomy of displaced species of Tubaria. Mycologia, 2007, 99, 569-585.	1.9	12
50	Phylogenetic relationships of Auriculoscypha based on ultrastructural and molecular studies. Mycological Research, 2007, 111, 268-274.	2.5	12
51	Auritella foveata, a new species of Inocybaceae (Agaricales) from tropical India. Kew Bulletin, 2012, 67, 119-125.	0.9	12
52	TheInocybe geophyllagroup in North America: a revision of the lilac species surroundingI. lilacina. Mycologia, 2018, 110, 618-634.	1.9	12
53	A common new species ofInocybein the Pacific Northwest with a diagnostic PDAB reaction. Mycologia, 2013, 105, 436-446.	1.9	10
54	Secret lifestyles of pyrophilous fungi in the genus Sphaerosporella. American Journal of Botany, 2020, 107, 876-885.	1.7	10

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55	A phylogenetic assessment of Pholiota and the new genus Pyrrhulomyces. Mycologia, 2021, 113, 146-167.	1.9	10
56	Taxonomy of displaced species of Tubaria. Mycologia, 2007, 99, 569-585.	1.9	9
57	A new species of Inocybe representing the Nothocybe lineage. Phytotaxa, 2016, 267, 40.	0.3	9
58	Circumscription of species in the Hodophilus foetens complex (Clavariaceae, Agaricales) in Europe. Mycological Progress, 2017, 16, 47-62.	1.4	9
59	Dating the emergence of truffle-like fungi in Australia, by using an augmented meta-analysis. Australian Systematic Botany, 2016, 29, 284.	0.9	8
60	Hodophilus (Clavariaceae, Agaricales) species with dark dots on the stipe: more than one species in Europe. Mycological Progress, 2017, 16, 811-821.	1.4	8
61	New species of Auritella (Inocybaceae) from Cameroon, with a worldwide key to the known species. IMA Fungus, 2017, 8, 287-298.	3.8	8
62	New species of Cortinarius sect. Austroamericani, sect. nov., from South American Nothofagaceae forests. Mycologia, 2018, 110, 1127-1144.	1.9	8
63	Mallocybe africana (Inocybaceae, Fungi), the first species of Mallocybe described from Africa . Phytotaxa, 2021, 478, 49-60.	0.3	8
64	Basidiospore Homoplasy and Variation in the Inocybe chelanensis Group in North America. Mycologia, 2004, 96, 295.	1.9	7
65	A rare and unusual lignicolous species of Inocybe (Agaricales) from eastern North America. Brittonia, 2009, 61, 163-171.	0.2	7
66	First report of the post-fire morel Morchella exuberans in eastern North America. Mycologia, 2017, 109, 1-5.	1.9	6
67	Four new species of sequestrate Inocybe from Chilean Nothofagaceae forests. Mycologia, 2021, 113, 629-642.	1.9	6
68	Cortinarius section Thaumasti in South American Nothofagaceae forests. Mycologia, 2020, 112, 329-341.	1.9	5
69	Comparative transcriptomics of fungal endophytes in coâ€culture with their moss host Dicranum scoparium reveals fungal trophic lability and moss unchanged to slightly increased growth rates. New Phytologist, 2022, 234, 1832-1847.	7.3	5
70	Not all ectomycorrhizal fungal lineages are equal. New Phytologist, 2019, 222, 1670-1672.	7.3	3
71	Pulverulina, a New Genus of Agaricales for Clitocybe ulmicola. Southeastern Naturalist, 2020, 19, 447.	0.4	3
72	Systematic revision of the Roseinae clade of Russula, with a focus on eastern North American taxa. Mycologia, 2022, 114, 270-302.	1.9	3

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73	The genus Dermoloma is more diverse than expected and forms a monophyletic lineage in the Tricholomataceae. Mycological Progress, 2021, 20, 11-25.	1.4	2
74	Contemporary documentation of the rare eastern North American species Inocybe insignis (Inocybaceae, Agaricales). MycoKeys, 0, 11, 23-31.	1.9	2
75	Two new species of Deconica (Agaricales, Basidiomycota) from Australia and Mexico. Mycological Progress, 2020, 19, 1317-1328.	1.4	1
76	(2793) Proposal to conserve the name Hebeloma velutipes against <scp>H. bakeri</scp> (Fungi, Agaricales, Hymenogastraceae). Taxon, 2021, 70, 202-203.	0.7	1
77	Molecular and morphological evidence place Pholiota psathyrelloides from Patagonia within the ectomycorrhizal genus Psathyloma (Agaricales). New Zealand Journal of Botany, 2019, 57, 261-270.	1.1	0