

P Brandon Matheny

List of Publications by Year in descending order

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77
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7,071
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201674

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6883
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#	ARTICLE	IF	CITATIONS
1	Evolutionary transition to the ectomycorrhizal habit in the genomes of a hyperdiverse lineage of mushroom-forming fungi. <i>New Phytologist</i> , 2022, 233, 2294-2309.	7.3	21
2	Comparative transcriptomics of fungal endophytes in co-culture with their moss host <i>Dicranum scoparium</i> reveals fungal trophic lability and moss unchanged to slightly increased growth rates. <i>New Phytologist</i> , 2022, 234, 1832-1847.	7.3	5
3	Systematic revision of the Roseinae clade of <i>Russula</i> , with a focus on eastern North American taxa. <i>Mycologia</i> , 2022, 114, 270-302.	1.9	3
4	A phylogenetic assessment of Pholiota and the new genus Pyrrhulomyces. <i>Mycologia</i> , 2021, 113, 146-167.	1.9	10
5	The genus <i>Dermoloma</i> is more diverse than expected and forms a monophyletic lineage in the Tricholomataceae. <i>Mycological Progress</i> , 2021, 20, 11-25.	1.4	2
6	(2793) Proposal to conserve the name <i>Hebeloma velutipes</i> against <i>H. bakeri</i> (<i>Fungi</i> , <i>Agaricales</i> , <i>Hymenogastraceae</i>). <i>Taxon</i> , 2021, 70, 202-203.	0.7	1
7	Four new species of sequestrate <i>Inocybe</i> from Chilean Nothofagaceae forests. <i>Mycologia</i> , 2021, 113, 629-642.	1.9	6
8	<i>Mallocybe africana</i> (<i>Inocybaceae</i> , <i>Fungi</i>), the first species of <i>Mallocybe</i> described from Africa. <i>Phytotaxa</i> , 2021, 478, 49-60.	0.3	8
9	Where are they hiding? Testing the body snatchers hypothesis in pyrophilous fungi. <i>Fungal Ecology</i> , 2020, 43, 100870.	1.6	32
10	Cortinarius section Thaumasti in South American Nothofagaceae forests. <i>Mycologia</i> , 2020, 112, 329-341.	1.9	5
11	Genera of <i>Inocybaceae</i> : New skin for the old ceremony. <i>Mycologia</i> , 2020, 112, 83-120.	1.9	48
12	A compendium of generic names of agarics and Agaricales. <i>Taxon</i> , 2020, 69, 425-447.	0.7	38
13	Two new species of <i>Deconica</i> (<i>Agaricales</i> , <i>Basidiomycota</i>) from Australia and Mexico. <i>Mycological Progress</i> , 2020, 19, 1317-1328.	1.4	1
14	Pyrophilous fungi detected after wildfires in the Great Smoky Mountains National Park expand known species ranges and biodiversity estimates. <i>Mycologia</i> , 2020, 112, 677-698.	1.9	25
15	Secret lifestyles of pyrophilous fungi in the genus <i>Sphaerosporella</i> . <i>American Journal of Botany</i> , 2020, 107, 876-885.	1.7	10
16	Coalescent-based delimitation and species-tree estimations reveal Appalachian origin and Neogene diversification in <i>Russula</i> subsection Roseinae. <i>Molecular Phylogenetics and Evolution</i> , 2020, 147, 106787.	2.7	15
17	<i>Pulverulina</i> , a New Genus of Agaricales for <i>Clitocybe ulmicola</i> . <i>Southeastern Naturalist</i> , 2020, 19, 447.	0.4	3
18	Molecular and morphological evidence place <i>Pholiota psathyrelloides</i> from Patagonia within the ectomycorrhizal genus <i>Psathyroma</i> (<i>Agaricales</i>). <i>New Zealand Journal of Botany</i> , 2019, 57, 261-270.	1.1	0

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19	Not all ectomycorrhizal fungal lineages are equal. <i>New Phytologist</i> , 2019, 222, 1670-1672.	7.3	3
20	New species of <i>Inocybe</i> (Inocybaceae) from eastern North America ¹ . <i>Journal of the Torrey Botanical Society</i> , 2019, 146, 213.	0.3	26
21	Russulaceae: a new genomic dataset to study ecosystem function and evolutionary diversification of ectomycorrhizal fungi with their tree associates. <i>New Phytologist</i> , 2018, 218, 54-65.	7.3	71
22	The <i>Inocybe geophylla</i> group in North America: a revision of the lilac species surrounding <i>I. lilacina</i> . <i>Mycologia</i> , 2018, 110, 618-634.	1.9	12
23	Revision of pyrophilous taxa of <i>Pholiota</i> described from North America reveals four species— <i>P. brunnescens</i> , <i>P. castanea</i> , <i>P. highlandensis</i> , and <i>P. molesta</i> . <i>Mycologia</i> , 2018, 110, 997-1016.	1.9	16
24	New species of <i>Cortinarius</i> sect. <i>Austroamericani</i> , sect. nov., from South American Nothofagaceae forests. <i>Mycologia</i> , 2018, 110, 1127-1144.	1.9	8
25	Stable isotope analyses reveal previously unknown trophic mode diversity in the Hymenochaetales. <i>American Journal of Botany</i> , 2018, 105, 1869-1887.	1.7	19
26	Six new species and reports of <i>Hydnum</i> (Cantharellales) from eastern North America. <i>MycKeys</i> , 2018, 42, 35-72.	1.9	15
27	How to know the fungi: combining field inventories and DNA barcoding to document fungal diversity. <i>New Phytologist</i> , 2017, 214, 913-919.	7.3	118
28	Circumscription of species in the <i>Hodophilus foetens</i> complex (Clavariaceae, Agaricales) in Europe. <i>Mycological Progress</i> , 2017, 16, 47-62.	1.4	9
29	First report of the post-fire morel <i>Morchella exuberans</i> in eastern North America. <i>Mycologia</i> , 2017, 109, 1-5.	1.9	6
30	<i>Hodophilus</i> (Clavariaceae, Agaricales) species with dark dots on the stipe: more than one species in Europe. <i>Mycological Progress</i> , 2017, 16, 811-821.	1.4	8
31	New species of <i>Auritella</i> (Inocybaceae) from Cameroon, with a worldwide key to the known species. <i>IMA Fungus</i> , 2017, 8, 287-298.	3.8	8
32	Dating the emergence of truffle-like fungi in Australia, by using an augmented meta-analysis. <i>Australian Systematic Botany</i> , 2016, 29, 284.	0.9	8
33	A new species of <i>Inocybe</i> representing the <i>Nothocybe</i> lineage. <i>Phytotaxa</i> , 2016, 267, 40.	0.3	9
34	Circumscription of species of <i>Hodophilus</i> (Clavariaceae, Agaricales) in North America with naphthalene odours. <i>Botany</i> , 2016, 94, 941-956.	1.0	13
35	Multilocus phylogenetic reconstruction of the Clavariaceae (Agaricales) reveals polyphyly of agaricoid members. <i>Mycologia</i> , 2016, 108, 860-868.	1.9	20
36	Into and out of the tropics: global diversification patterns in a hyperdiverse clade of ectomycorrhizal fungi. <i>Molecular Ecology</i> , 2016, 25, 630-647.	3.9	108

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37	New and noteworthy species of <i>Inocybe</i> (Agaricales) from tropical India. <i>Mycological Progress</i> , 2016, 15, 1.	1.4	20
38	The genus <i>Inocybe</i> (Inocybaceae, Agaricales, Basidiomycota) in Thailand and Malaysia. <i>Phytotaxa</i> , 2015, 230, 201.	0.3	27
39	Six simple guidelines for introducing new genera of fungi. <i>IMA Fungus</i> , 2015, 6, A65-A68.	3.8	44
40	Long-distance dispersal and speciation of Australasian and American species of <i>Cortinarius</i> sect. <i>Cortinarius</i> . <i>Mycologia</i> , 2015, 107, 697-709.	1.9	22
41	<i>Crassisporium</i> and <i>Romagnesiella</i> : two new genera of dark-spored Agaricales. <i>Systematics and Biodiversity</i> , 2015, 13, 28-41.	1.2	28
42	Deconstructing the Tricholomataceae (Agaricales) and introduction of the new genera <i>Albomagister</i> , <i>Corneriella</i> , <i>Pogonoloma</i> and <i>Pseudotricholoma</i> . <i>Taxon</i> , 2014, 63, 993-1007.	0.7	46
43	Molecular phylogeny, morphology, pigment chemistry and ecology in Hygrophoraceae (Agaricales). <i>Fungal Diversity</i> , 2014, 64, 1-99.	12.3	108
44	Two new species of <i>Inocybe</i> from Australia and North America that include novel secotioid forms. <i>Botany</i> , 2014, 92, 9-22.	1.0	21
45	Towards a unified paradigm for sequence-based identification of fungi. <i>Molecular Ecology</i> , 2013, 22, 5271-5277.	3.9	2,997
46	A systematic, morphological and ecological overview of the Clavariaceae (Agaricales). <i>Mycologia</i> , 2013, 105, 896-911.	1.9	60
47	A common new species of <i>Inocybe</i> in the Pacific Northwest with a diagnostic PDAB reaction. <i>Mycologia</i> , 2013, 105, 436-446.	1.9	10
48	<i>Inocybe</i> section <i>Rimosae</i> in Utah: phylogenetic affinities and new species. <i>Mycologia</i> , 2013, 105, 728-747.	1.9	29
49	Phylogenetic inference and trait evolution of the psychedelic mushroom genus <i>Psilocybe</i> sensu lato (Agaricales). <i>Botany</i> , 2013, 91, 573-591.	1.0	27
50	Evolution of the Toxins Muscarine and Psilocybin in a Family of Mushroom-Forming Fungi. <i>PLoS ONE</i> , 2013, 8, e64646.	2.5	52
51	Asynchronous origins of ectomycorrhizal clades of Agaricales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2003-2011.	2.6	77
52	<i>Auritella foveata</i> , a new species of Inocybaceae (Agaricales) from tropical India. <i>Kew Bulletin</i> , 2012, 67, 119-125.	0.9	12
53	A Re-Evaluation of Gasteroid and Cyphelloid Species of Entolomataceae from Eastern North America. <i>Harvard Papers in Botany</i> , 2011, 16, 293-310.	0.2	45
54	Amylocorticiales ord. nov. and Jaapiales ord. nov.: Early diverging clades of Agaricomycetidae dominated by corticioid forms. <i>Mycologia</i> , 2010, 102, 865-880.	1.9	165

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55	Mycoparasitism between <i>Squamanita paradoxa</i> and <i>Cystoderma amianthinum</i> (Cystodermataeae, Tj ETQq1 1 0.784314 rgBT /Overlock 17	0.8	17
56	<i>Craterellus fallax</i> , a Black Trumpet mushroom from eastern North America with a broad host range. Mycorrhiza, 2010, 20, 569-575.	2.8	13
57	Ingestion of a newly described North American mushroom species from Michigan resulting in chronic renal failure: <i>Cortinarius orellanosus</i> . Clinical Toxicology, 2010, 48, 545-549.	1.9	26
58	Phylogenetic taxonomy of the <i>Inocybe splendens</i> group and evolution of supersection "Marginatae". Mycologia, 2010, 102, 560-573.	1.9	22
59	<i>Tubariomyces</i> , a new genus of Inocybaceae from the Mediterranean region. Mycologia, 2010, 102, 1389-1397.	1.9	35
60	A rare and unusual lignicolous species of <i>Inocybe</i> (Agaricales) from eastern North America. Brittonia, 2009, 61, 163-171.	0.2	7
61	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
62	Taxonomy of displaced species of <i>Tubaria</i> . Mycologia, 2007, 99, 569-585.	1.9	9
63	Taxonomy of displaced species of <i>Tubaria</i> . Mycologia, 2007, 99, 569-585.	1.9	12
64	Contributions of <i>rpb2</i> and <i>tef1</i> to the phylogeny of mushrooms and allies (Basidiomycota, Fungi). Molecular Phylogenetics and Evolution, 2007, 43, 430-451.	2.7	341
65	Phylogenetic relationships of <i>Auriculosocypha</i> based on ultrastructural and molecular studies. Mycological Research, 2007, 111, 268-274.	2.5	12
66	<i>Cleistocybe</i> , a new genus of Agaricales. Mycoscience, 2007, 48, 282-289.	0.8	31
67	The cantharelloid clade: dealing with incongruent gene trees and phylogenetic reconstruction methods. Mycologia, 2006, 98, 937-948.	1.9	89
68	Major clades of Agaricales: a multilocus phylogenetic overview. Mycologia, 2006, 98, 982-995.	1.9	268
69	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
70	The new genus <i>Auritella</i> from Africa and Australia (Inocybaceae, Agaricales): molecular systematics, taxonomy and historical biogeography. Mycological Progress, 2006, 5, 2-17.	1.4	42
71	Major clades of Agaricales: a multilocus phylogenetic overview. Mycologia, 2006, 98, 982-995.	1.9	449
72	Improving phylogenetic inference of mushrooms with RPB1 and RPB2 nucleotide sequences (<i>Inocybe</i> ;) Tj ETQq0 0 0 rgBT /Overlock 10 T 483	2.7	483

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73	Basidiospore Homoplasmy and Variation in the <i>Inocybe chelanensis</i> Group in North America. <i>Mycologia</i> , 2004, 96, 295.	1.9	7
74	Basidiospore homoplasmy and variation in the <i>Inocybe chelanensis</i> group in North America. <i>Mycologia</i> , 2004, 96, 295-309.	1.9	13
75	New species of <i>Inocybe</i> from Dicymbe forests of Guyana. <i>Mycological Research</i> , 2003, 107, 495-505.	2.5	32
76	Using RPB1 sequences to improve phylogenetic inference among mushrooms (<i>Inocybe</i>), <i>Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 62</i>	1.7	387
77	Contemporary documentation of the rare eastern North American species <i>Inocybe insignis</i> (Inocybaceae, Agaricales). <i>Mycologia</i> , 0, 11, 23-31.	1.9	2