Matthew Paul Nelsen

List of Publications by Year
in descending order

59 papers	2,988 citations	186209 28 h-index	175177 52 g-index
60 all docs	60 docs citations	60 times ranked	2435 citing authors

#	Article	IF	Citations
1	Families of Dothideomycetes. Fungal Diversity, 2013, 63, 1-313.	4.7	509
2	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. Fungal Diversity, 2020, 105, 1-16.	4.7	387
3	Naming and outline of Dothideomycetesâ€“2014 including proposals for the protection or suppression of generic names. Fungal Diversity, 2014, 69, 1-55.	4.7	216
4	Revisiting photobiont diversity in the lichen family Verrucariaceae (Ascomycota). European Journal of Phycology, 2011, 46, 399-415.	0.9	148
5	Dissociation and horizontal transmission of codispersing lichen symbionts in the genus Lepraria (Lecanorales: Stereocaulaceae). New Phytologist, 2008, 177, 264-275.	3.5	107
6	Delayed fungal evolution did not cause the Paleozoic peak in coal production. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2442-2447.	3.3	107
7	Fungal specificity and selectivity for algae play a major role in determining lichen partnerships across diverse ecogeographic regions in the lichenâ€forming family Parmeliaceae (Ascomycota). Molecular Ecology, 2015, 24, 3779-3797.	2.0	94
8	PHYLOGENETIC DIVERSITY OF TRENTEPOHLIALEAN ALGAE ASSOCIATED WITH LICHEN-FORMING FUNGI1. Journal of Phycology, 2011, 47, 282-290.	1.0	84
9	Molecular phylogeny and symbiotic selectivity of the green algal genus Dictyochloropsis s.l. (Trebouxiophyceae): a polyphyletic and widespread group forming photobiontâ€mediated guilds in the lichen family Lobariaceae. New Phytologist, 2014, 202, 455-470.	3.5	77
10	Antâ€“plant interactions evolved through increasing interdependence. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12253-12258.	3.3	71
11	New insights into relationships of lichen-forming Dothideomycetes. Fungal Diversity, 2011, 51, 155-162.	4.7	67
12	Symbiont flexibility in Thamnolia vermicularis (Pertusariales: Icmadophilaceae). Bryologist, 2009, 112, 404-417.	0.1	55
13	A Tale of Two Hyper-diversities: Diversification dynamics of the two largest families of lichenized fungi. Scientific Reports, 2015, 5, 10028.	1.6	52
14	Formally described species woefully underrepresent phylogenetic diversity in the common lichen photobiont genus Trebouxia (Trebouxiophyceae, Chlorophyta): An impetus for developing an integrated taxonomy. Molecular Phylogenetics and Evolution, 2020, 149, 106821.	1.2	51
15	Phylogenetic placement of lichenicolous Phoma species in the Phaeosphaeriaceae (Pleosporales,) Tj ETQq1 1 0.784314 rgBT /Overloc	4.7	50
16	How Do You Solve a Problem like Letharia? A New Look at Cryptic Species in Lichen-Forming Fungi Using Bayesian Clustering and SNPs from Multilocus Sequence Data. PLoS ONE, 2014, 9, e97556.	1.1	48
17	No support for the emergence of lichens prior to the evolution of vascular plants. Geobiology, 2020, 18, 3-13.	1.1	48
18	Cryptic diversity and symbiont interactions in rock-posy lichens. Molecular Phylogenetics and Evolution, 2016, 99, 261-274.	1.2	45

#	Article	IF	Citations
19	The cetrarioid core group revisited (Lecanorales: Parmeliaceae). Lichenologist, 2011, 43, 537-551.	0.5	40
20	Ten new species of lichenized Basidiomycota in the genera Dictyonema and Cora (Agaricales:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 2013, 139, 1.	0.1	39
21	The macroevolutionary dynamics of symbiotic and phenotypic diversification in lichens. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21495-21503.	3.3	39
22	Elucidating phylogenetic relationships and genusâ€level classification within the fungal family Trypetheliaceae (Ascomycota: Dothideomycetes). Taxon, 2014, 63, 974-992.	0.4	37
23	Symbiont flexibility in subalpine rock shield lichen communities in the Southwestern USA. Bryologist, 2013, 116, 149.	0.1	34
24	Hidden diversity in the morphologically variable script lichen (Graphis scripta) complex (Ascomycota,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	32
25	Evaluation of traditionally circumscribed species in the lichen-forming genus Usnea, section Usnea (Parmeliaceae, Ascomycota) using a six-locus dataset. Organisms Diversity and Evolution, 2016, 16, 497-524.	0.7	32
26	A phylogenetic framework for reassessing generic concepts and species delimitation in the lichenized family Trypetheliaceae (Ascomycota: Dothideomycetes). Lichenologist, 2016, 48, 739-762.	0.5	31
27	Multiclavula ichthyiformis (Fungi: Basidiomycota: Cantharellales: Clavulinaceae), a remarkable new basidiolichen from Costa Rica. American Journal of Botany, 2007, 94, 1289-1296.	0.8	29
28	Assessing clonality and chemotype monophyly in Thamnolia (Icmadophilaceae). Bryologist, 2009, 112, 42-53.	0.1	29
29	Ediacarans, Protolichens, and Lichen-Derived Penicillium. , 2018, , 551-590.		29
30	Actin type I introns offer potential for increasing phylogenetic resolution in Asterochloris (Chlorophyta: Trebouxiophyceae). Lichenologist, 2006, 38, 435-440.	0.5	28
31	A first assessment of the Ticolichen biodiversity inventory in Costa Rica: the genus Gyalideopsis and its segregates (Ostropales: Gomphillaceae), with a world-wide key and name status checklist. Lichenologist, 2006, 38, 131-160.	0.5	25
32	Further evidence for the polyphyly of Lepraria (Lecanorales: Stereocaulaceae). Nova Hedwigia, 2008, 87, 361-371.	0.2	24
33	Heiomasia, a new genus in the lichen-forming family Graphidaceae (Ascomycota: Lecanoromycetes:) Tj ETQq1 1 0.784314 rgBT /Over 2010, 113, 742-751.	0.1	24
34	The obligately lichenicolous genus Lichenoconium represents a novel lineage in the Dothideomycetes. Fungal Biology, 2011, 115, 176-187.	1.1	23
35	Heveochlorella (Trebouxiophyceae): a littleâ€known genus of unicellular green algae outside the Trebouxiales emerges unexpectedly as a major clade of lichen photobionts in foliicolous communities. Journal of Phycology, 2016, 52, 840-853.	1.0	22
36	Phylogenetic distribution and evolution of secondary metabolites in the lichenized fungal genus Lepraria (Lecanorales: Stereocaulaceae). Nova Hedwigia, 2008, 86, 115-131.	0.2	19

#	Article	IF	Citations
37	Dismantling Herpothallon Herpothallon antillarum (Arthoniomycetes: Arthoniaceae) is a member of the genus Diorygma (Lecanoromycetes: Graphidaceae). Bryologist, 2012, 115, 313.	0.1	18
38	A pot-pourri of new species of Trypetheliaceae resulting from molecular phylogenetic studies. Lichenologist, 2016, 48, 639-660.	0.5	17
39	Multiple, Distinct Intercontinental Lineages but Isolation of Australian Populations in a Cosmopolitan Lichen-Forming Fungal Taxon, Psora decipiens (Psoraceae, Ascomycota). Frontiers in Microbiology, 2018, 9, 283.	1.5	17
40	Cophylogenetic patterns in algal symbionts correlate with repeated symbiont switches during diversification and geographic expansion of lichen-forming fungi in the genus Sticta (Ascomycota,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	16
41	Ascospore ontogeny and discharge in megalosporousTrypetheliaceaeandGraphidaceae(Ascomycota: Dothideomycetes and) Tj ETQq1 1 0.784314 rgBT /Overlock 44, 277-296.	0.5	15
42	Pyrenula sanguinea(lichenized Ascomycota: Pyrenulaceae), a new species with unique, trypethelioid ascomata and complex pigment chemistry. Bryologist, 2013, 116, 350-357.	0.1	14
43	Macroecological diversification and convergence in a clade of keystone symbionts. FEMS Microbiology Ecology, 2021, 97, .	1.3	14
44	Molecular phylogeny reveals the true colours of Myeloconidaceae (Ascomycota: Ostropales). Australian Systematic Botany, 2014, 27, 38.	0.3	13
45	Contrasting Patterns of Climatic Niche Divergence in Trebouxiaâ€"A Clade of Lichen-Forming Algae. Frontiers in Microbiology, 2022, 13, 791546.	1.5	13
46	Further species diversity in Neotropical Oropogon (Lecanoromycetes: Parmeliaceae) in Central America. Lichenologist, 2013, 45, 553-564.	0.5	11
47	A first assessment of the Ticolichen biodiversity inventory in Costa Rica: the genus Haematomma (Lecanorales: Lecanoraceae). Lichenologist, 2006, 38, 251-262.	0.5	10
48	Element analysis of two common macrolichens supports bioindication of air pollution and lichen response in rural midwestern U.S.A. Bryologist, 2015, 118, 371.	0.1	10
49	Diversity of the Trypethelium eluteriae group in Thailand (Ascomycota, Trypetheliales). Lichenologist, 2016, 48, 53-60.	0.5	10
50	Accelerated diversifications in three diverse families of morphologically complex lichen-forming fungi link to major historical events. Scientific Reports, 2019, 9, 8518.	1.6	10
51	What to Do with Prototaxites?. International Journal of Plant Sciences, 2022, 183, 556-565.	0.6	6
52	Assessing the phylogenetic placement and redundancy of Aspidotheliaceae (Ascomycota), an orphaned family of lichen-forming fungi. Systematics and Biodiversity, 2017, 15, 63-73.	0.5	5
53	Sharing and doubleâ€dating in the lichen world. Molecular Ecology, 2021, 30, 1751-1754.	2.0	5
54	Lichen indices assess local climate and air quality status in the Mid-Atlantic Region, U.S.A.. Bryologist, 2018, 121, 461.	0.1	5

#	Article	IF	Citations
55	One-Hundred Years of Change in the Corticolous Macrolichens of Madison, Wisconsin. Evansia, 2007, 24, 108-112.	0.1	4
56	Porina squamulifera(Lichenized Ascomycota: Porinaceae), a New Species from Tropical Rainforest in Costa Rica With Unique Thallus Morphology. Herzogia, 2013, 26, 223-230.	0.1	4
57	A data-driven evaluation of lichen climate change indicators in Central Europe. Biodiversity and Conservation, 2020, 29, 3959-3971.	1.2	4
58	A reappraisal of Masonhalea (Parmeliaceae, Lecanorales) based on molecular and morphological data. Lichenologist, 2013, 45, 729-738.	0.5	3
59	How Have Wisconsin's Lichen Communities Changed?. , 0, , 135-150.		3