

Matthew Paul Nelsen

List of Publications by Year in descending order

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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	Contrasting Patterns of Climatic Niche Divergence in <i>Trebouxia</i> —A Clade of Lichen-Forming Algae. <i>Frontiers in Microbiology</i> , 2022, 13, 791546.	1.5	13
2	What to Do with <i>Prototaxites</i> ?. <i>International Journal of Plant Sciences</i> , 2022, 183, 556-565.	0.6	6
3	Sharing and double-dating in the lichen world. <i>Molecular Ecology</i> , 2021, 30, 1751-1754.	2.0	5
4	Macroecological diversification and convergence in a clade of keystone symbionts. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	14
5	No support for the emergence of lichens prior to the evolution of vascular plants. <i>Geobiology</i> , 2020, 18, 3-13.	1.1	48
6	The macroevolutionary dynamics of symbiotic and phenotypic diversification in lichens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21495-21503.	3.3	39
7	A data-driven evaluation of lichen climate change indicators in Central Europe. <i>Biodiversity and Conservation</i> , 2020, 29, 3959-3971.	1.2	4
8	Cophylogenetic patterns in algal symbionts correlate with repeated symbiont switches during diversification and geographic expansion of lichen-forming fungi in the genus <i>Sticta</i> (Ascomycota). <i>Trends in Microbiology</i> , 2020, 28, 101-110.	1.1	10
9	Formally described species woefully underrepresent phylogenetic diversity in the common lichen photobiont genus <i>Trebouxia</i> (Trebouxiophyceae, Chlorophyta): An impetus for developing an integrated taxonomy. <i>Molecular Phylogenetics and Evolution</i> , 2020, 149, 106821.	1.2	51
10	FungalTraits: a user-friendly traits database of fungi and fungus-like stramenopiles. <i>Fungal Diversity</i> , 2020, 105, 1-16.	4.7	387
11	Accelerated diversifications in three diverse families of morphologically complex lichen-forming fungi link to major historical events. <i>Scientific Reports</i> , 2019, 9, 8518.	1.6	10
12	Ant-plant interactions evolved through increasing interdependence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12253-12258.	3.3	71
13	Ediacarans, Protolichens, and Lichen-Derived <i>Penicillium</i> . <i>Journal of Fungi</i> , 2018, 4, 551-590.	0.1	29
14	Multiple, Distinct Intercontinental Lineages but Isolation of Australian Populations in a Cosmopolitan Lichen-Forming Fungal Taxon, <i>Psora decipiens</i> (Psoraceae, Ascomycota). <i>Frontiers in Microbiology</i> , 2018, 9, 283.	1.5	17
15	Lichen indices assess local climate and air quality status in the Mid-Atlantic Region, U.S.A.. <i>Bryologist</i> , 2018, 121, 461.	0.1	5
16	Assessing the phylogenetic placement and redundancy of <i>Aspidotheliaceae</i> (Ascomycota), an orphaned family of lichen-forming fungi. <i>Systematics and Biodiversity</i> , 2017, 15, 63-73.	0.5	5
17	A pot-pourri of new species of <i>Trypetheliaceae</i> resulting from molecular phylogenetic studies. <i>Lichenologist</i> , 2016, 48, 639-660.	0.5	17
18	A phylogenetic framework for reassessing generic concepts and species delimitation in the lichenized family <i>Trypetheliaceae</i> (Ascomycota: Dothideomycetes). <i>Lichenologist</i> , 2016, 48, 739-762.	0.5	31

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19	Diversity of the <i>Trypethelium eluteriae</i> group in Thailand (Ascomycota, Trypetheliales). <i>Lichenologist</i> , 2016, 48, 53-60.	0.5	10
20	Cryptic diversity and symbiont interactions in rock-psy lichens. <i>Molecular Phylogenetics and Evolution</i> , 2016, 99, 261-274.	1.2	45
21	<i>Heveochlorella</i> (Trebouxiophyceae): a little-known genus of unicellular green algae outside the Trebouxiiales emerges unexpectedly as a major clade of lichen photobionts in foliicolous communities. <i>Journal of Phycology</i> , 2016, 52, 840-853.	1.0	22
22	Delayed fungal evolution did not cause the Paleozoic peak in coal production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2442-2447.	3.3	107
23	Evaluation of traditionally circumscribed species in the lichen-forming genus <i>Usnea</i> , section <i>Usnea</i> (Parmeliaceae, Ascomycota) using a six-locus dataset. <i>Organisms Diversity and Evolution</i> , 2016, 16, 497-524.	0.7	32
24	Fungal specificity and selectivity for algae play a major role in determining lichen partnerships across diverse ecogeographic regions in the lichen-forming family Parmeliaceae (Ascomycota). <i>Molecular Ecology</i> , 2015, 24, 3779-3797.	2.0	94
25	Hidden diversity in the morphologically variable script lichen (<i>Graphis scripta</i>) complex (Ascomycota). <i>Trends in Microbiology</i> , 2015, 23, 107-114.	0.7	32
26	Element analysis of two common macrolichens supports bioindication of air pollution and lichen response in rural midwestern U.S.A. <i>Bryologist</i> , 2015, 118, 371.	0.1	10
27	A Tale of Two Hyper-diversities: Diversification dynamics of the two largest families of lichenized fungi. <i>Scientific Reports</i> , 2015, 5, 10028.	1.6	52
28	How Do You Solve a Problem like <i>Letharia</i> ? A New Look at Cryptic Species in Lichen-Forming Fungi Using Bayesian Clustering and SNPs from Multilocus Sequence Data. <i>PLoS ONE</i> , 2014, 9, e97556.	1.1	48
29	Elucidating phylogenetic relationships and genus-level classification within the fungal family Trypetheliaceae (Ascomycota: Dothideomycetes). <i>Taxon</i> , 2014, 63, 974-992.	0.4	37
30	Naming and outline of Dothideomycetes 2014 including proposals for the protection or suppression of generic names. <i>Fungal Diversity</i> , 2014, 69, 1-55.	4.7	216
31	Molecular phylogeny and symbiotic selectivity of the green algal genus <i>Dictyochloropsis</i> s.l. (Trebouxiophyceae): a polyphyletic and widespread group forming photobiont-mediated guilds in the lichen family Lobariaceae. <i>New Phytologist</i> , 2014, 202, 455-470.	3.5	77
32	Molecular phylogeny reveals the true colours of Myeloconidaceae (Ascomycota: Ostropales). <i>Australian Systematic Botany</i> , 2014, 27, 38.	0.3	13
33	Families of Dothideomycetes. <i>Fungal Diversity</i> , 2013, 63, 1-313.	4.7	509
34	<i>Pyrenula sanguinea</i> (lichenized Ascomycota: Pyrenulaceae), a new species with unique, trypethelioid ascomata and complex pigment chemistry. <i>Bryologist</i> , 2013, 116, 350-357.	0.1	14
35	Symbiont flexibility in subalpine rock shield lichen communities in the Southwestern USA. <i>Bryologist</i> , 2013, 116, 149.	0.1	34
36	Further species diversity in Neotropical <i>Oropogon</i> (Lecanoromycetes: Parmeliaceae) in Central America. <i>Lichenologist</i> , 2013, 45, 553-564.	0.5	11

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37	<i>Porina squamulifera</i> (Lichenized Ascomycota: Porinaceae), a New Species from Tropical Rainforest in Costa Rica With Unique Thallus Morphology. <i>Herzogia</i> , 2013, 26, 223-230.	0.1	4
38	A reappraisal of <i>Masonhalea</i> (Parmeliaceae, Lecanorales) based on molecular and morphological data. <i>Lichenologist</i> , 2013, 45, 729-738.	0.5	3
39	Ten new species of lichenized Basidiomycota in the genera <i>Dictyonema</i> and <i>Cora</i> (Agaricales:) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 2013, 139, 1.	0.1	39
40	Dismantling <i>Herpothallon antillarum</i> (Arthoniomycetes: Arthoniaceae) is a member of the genus <i>Diorygma</i> (Lecanoromycetes: Graphidaceae). <i>Bryologist</i> , 2012, 115, 313.	0.1	18
41	Ascospore ontogeny and discharge in megalosporous <i>Trypetheliaceae</i> and <i>Graphidaceae</i> (Ascomycota: Dothideomycetes and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> 44, 277-296.	0.5	15
42	Phylogenetic placement of lichenicolous <i>Phoma</i> species in the Phaeosphaeriaceae (Pleosporales,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	4.7	50
43	The obligately lichenicolous genus <i>Lichenoconium</i> represents a novel lineage in the Dothideomycetes. <i>Fungal Biology</i> , 2011, 115, 176-187.	1.1	23
44	Revisiting photobiont diversity in the lichen family Verrucariaceae (Ascomycota). <i>European Journal of Phycology</i> , 2011, 46, 399-415.	0.9	148
45	PHYLOGENETIC DIVERSITY OF TRENTEPOHLIALEAN ALGAE ASSOCIATED WITH LICHEN-FORMING FUNGI1. <i>Journal of Phycology</i> , 2011, 47, 282-290.	1.0	84
46	New insights into relationships of lichen-forming Dothideomycetes. <i>Fungal Diversity</i> , 2011, 51, 155-162.	4.7	67
47	The cetrarioid core group revisited (<i>Lecanorales: Parmeliaceae</i>). <i>Lichenologist</i> , 2011, 43, 537-551.	0.5	40
48	<i>Heiomasia</i> , a new genus in the lichen-forming family Graphidaceae (Ascomycota: Lecanoromycetes:) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 2010, 113, 742-751.	0.1	24
49	Symbiont flexibility in <i>Thamnolia vermicularis</i> (Pertusariales: Icmadophilaceae). <i>Bryologist</i> , 2009, 112, 404-417.	0.1	55
50	Assessing clonality and chemotype monophyly in <i>Thamnolia</i> (Icmadophilaceae). <i>Bryologist</i> , 2009, 112, 42-53.	0.1	29
51	Dissociation and horizontal transmission of codispersing lichen symbionts in the genus <i>Lepraria</i> (Lecanorales: Stereocaulaceae). <i>New Phytologist</i> , 2008, 177, 264-275.	3.5	107
52	Further evidence for the polyphyly of <i>Lepraria</i> (Lecanorales: Stereocaulaceae). <i>Nova Hedwigia</i> , 2008, 87, 361-371.	0.2	24
53	Phylogenetic distribution and evolution of secondary metabolites in the lichenized fungal genus <i>Lepraria</i> (Lecanorales: Stereocaulaceae). <i>Nova Hedwigia</i> , 2008, 86, 115-131.	0.2	19
54	<i>Multiclavula ichthyiformis</i> (Fungi: Basidiomycota: Cantharellales: Clavulinaceae), a remarkable new basidiolichen from Costa Rica. <i>American Journal of Botany</i> , 2007, 94, 1289-1296.	0.8	29

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55	One-Hundred Years of Change in the Corticolous Macrolichens of Madison, Wisconsin. <i>Evansia</i> , 2007, 24, 108-112.	0.1	4
56	A first assessment of the Ticolichen biodiversity inventory in Costa Rica: the genus <i>Gyalideopsis</i> and its segregates (Ostropales: Gomphillaceae), with a world-wide key and name status checklist. <i>Lichenologist</i> , 2006, 38, 131-160.	0.5	25
57	Actin type I introns offer potential for increasing phylogenetic resolution in <i>Asterochloris</i> (Chlorophyta: Trebouxiophyceae). <i>Lichenologist</i> , 2006, 38, 435-440.	0.5	28
58	A first assessment of the Ticolichen biodiversity inventory in Costa Rica: the genus <i>Haematomma</i> (Lecanorales: Lecanoraceae). <i>Lichenologist</i> , 2006, 38, 251-262.	0.5	10
59	How Have Wisconsin's Lichen Communities Changed?. , 0, , 135-150.		3