

Lucia Muggia

List of Publications by Year in descending order

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76
papers

3,055
citations

159585

30
h-index

175258

52
g-index

77
all docs

77
docs citations

77
times ranked

2337
citing authors

#	ARTICLE	IF	CITATIONS
1	Chloroplast morphology and pyrenoid ultrastructural analyses reappraise the diversity of the lichen phycobiont genus <i>Trebouxia</i> (Chlorophyta). <i>Algal Research</i> , 2022, 61, 102561.	4.6	16
2	Should we hail the Red King? Evolutionary consequences of a mutualistic lifestyle in genomes of lichenized ascomycetes. <i>Ecology and Evolution</i> , 2022, 12, e8471.	1.9	4
3	Photobiont Diversity in Lichen Symbioses From Extreme Environments. <i>Frontiers in Microbiology</i> , 2022, 13, 809804.	3.5	11
4	Contrasting Patterns of Climatic Niche Divergence in <i>Trebouxia</i> A Clade of Lichen-Forming Algae. <i>Frontiers in Microbiology</i> , 2022, 13, 791546.	3.5	13
5	Large differences in carbohydrate degradation and transport potential among lichen fungal symbionts. <i>Nature Communications</i> , 2022, 13, 2634.	12.8	24
6	Integrated eDNA metabarcoding and morphological analyses assess spatio-temporal patterns of airborne fungal spores. <i>Ecological Indicators</i> , 2021, 121, 107032.	6.3	14
7	Thallus Growth Stage and Geographic Origin Shape Microalgal Diversity in <i>Ramalina farinacea</i> Lichen Holobionts. <i>Journal of Phycology</i> , 2021, 57, 975-987.	2.3	23
8	Macroecological diversification and convergence in a clade of keystone symbionts. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	14
9	Enhanced culturing techniques for the mycobiont isolated from the lichen <i>Xanthoria parietina</i> . <i>Mycological Progress</i> , 2021, 20, 797-808.	1.4	7
10	Sequence data from isolated lichen-associated melanized fungi enhance delimitation of two new lineages within Chaetothyriomycetidae. <i>Mycological Progress</i> , 2021, 20, 911-927.	1.4	11
11	Refining the picture: new records to the lichen biota of Italy. <i>MycKeys</i> , 2021, 82, 97-137.	1.9	4
12	<i>Antarctolichenia onofrii</i> gen. nov. sp. nov. from Antarctic Endolithic Communities Untangles the Evolution of Rock-Inhabiting and Lichenized Fungi in Arthoniomycetes. <i>Journal of Fungi (Basel)</i> , 2021, 7, 107032.	1.9	10
13	Invasion at the Edge: The Case of <i>Rosa rugosa</i> (Rosaceae) in Italy. <i>Diversity</i> , 2021, 13, 645.	1.7	1
14	Relevance of plant and fungal DNA metabarcoding in aerobiology. <i>Aerobiologia</i> , 2020, 36, 9-23.	1.7	23
15	Characterizing the ribosomal tandem repeat and its utility as a DNA barcode in lichen-forming fungi. <i>BMC Evolutionary Biology</i> , 2020, 20, 2.	3.2	16
16	Metagenomic data reveal diverse fungal and algal communities associated with the lichen symbiosis. <i>Symbiosis</i> , 2020, 82, 133-147.	2.3	34
17	The beauty and the yeast: can the microalgae <i>Dunaliella</i> form a borderline lichen with <i>Hortaea werneckii</i> ?. <i>Symbiosis</i> , 2020, 82, 123-131.	2.3	5
18	Phytohormone release by three isolated lichen mycobionts and the effects of indole-3-acetic acid on their compatible photobionts. <i>Symbiosis</i> , 2020, 82, 95-108.	2.3	7

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19	Eva Barreno Rodr�guez at 70: the person and the professional. <i>Symbiosis</i> , 2020, 82, 3-7.	2.3	0
20	Introduction to the Festschrift dedicated to Professor Eva Barreno. <i>Symbiosis</i> , 2020, 82, 1-2.	2.3	1
21	A re-evaluation of the Chaetothyriales using criteria of comparative biology. <i>Fungal Diversity</i> , 2020, 103, 47-85.	12.3	43
22	An Overview of Genomics, Phylogenomics and Proteomics Approaches in Ascomycota. <i>Life</i> , 2020, 10, 356.	2.4	12
23	Shed Light in the DaRk LineagES of the Fungal Tree of Life��STRES. <i>Life</i> , 2020, 10, 362.	2.4	16
24	Environmental DNA assessment of airborne plant and fungal seasonal diversity. <i>Science of the Total Environment</i> , 2020, 738, 140249.	8.0	44
25	Abundance and Extracellular Release of Phytohormones in Aero��terrestrial Microalgae (Trebouxiophyceae, Chlorophyta) As a Potential Chemical Signaling Source 1. <i>Journal of Phycology</i> , 2020, 56, 1295-1307.	2.3	19
26	PLANiTS: a curated sequence reference dataset for plant ITS DNA metabarcoding. <i>Database: the Journal of Biological Databases and Curation</i> , 2020, 2020, .	3.0	68
27	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.	2.7	51
28	Extremotolerant Black Fungi from Rocks and Lichens. , 2019, , 119-143.		6
29	Cross Taxon Congruence Between Lichens and Vascular Plants in a Riparian Ecosystem. <i>Diversity</i> , 2019, 11, 133.	1.7	6
30	Genome-scale data resolve ancestral rock-inhabiting lifestyle in Dothideomycetes (Ascomycota). <i>IMA Fungus</i> , 2019, 10, 19.	3.8	17
31	Bacterial communities in an optional lichen symbiosis are determined by substrate, not algal photobionts. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	13
32	Reproductive and dispersal strategies shape the diversity of mycobiont-photobiont association in <i>Cladonia</i> lichens. <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 226-237.	2.7	33
33	Phylogenetic relationships of rock-inhabiting black fungi belonging to the widespread genera <i>Lichenothelia</i> and <i>Saxomyces</i> . <i>Mycologia</i> , 2019, 111, 127-160.	1.9	13
34	<i>Muellerella</i> , a lichenicolous fungal genus recovered as polyphyletic within Chaetothyriomycetidae (Eurotiomycetes, Ascomycota). <i>Plant and Fungal Systematics</i> , 2019, 64, 367-381.	0.5	8
35	ITS2 metabarcoding analysis complements lichen mycobiome diversity data. <i>Mycological Progress</i> , 2018, 17, 1049-1066.	1.4	46
36	The hidden diversity of lichenised Trebouxiophyceae (Chlorophyta). <i>Phycologia</i> , 2018, 57, 503-524.	1.4	45

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37	Fungal Diversity in Lichens: From Extremotolerance to Interactions with Algae. <i>Life</i> , 2018, 8, 15.	2.4	63
38	Enforced fungal-algal symbioses in alginate spheres. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	6
39	The complexity of symbiotic interactions influences the ecological amplitude of the host: A case study in <i>Stereocaulon</i> (lichenized Ascomycota). <i>Molecular Ecology</i> , 2018, 27, 3016-3033.	3.9	59
40	DNA metabarcoding uncovers fungal diversity of mixed airborne samples in Italy. <i>PLoS ONE</i> , 2018, 13, e0194489.	2.5	62
41	Symbioses of Lichen-Forming Fungi with Trentepohlialean Algae. , 2017, , 85-110.		7
42	The Lichen Photobiont <i>Trebouxia</i> : Towards and Appreciation of Species Diversity and Molecular Studies. , 2017, , 111-146.		5
43	The next generation fungal diversity researcher. <i>Fungal Biology Reviews</i> , 2017, 31, 124-130.	4.7	10
44	A standardized approach for co-culturing dothidealean rock-inhabiting fungi and lichen photobionts in vitro. <i>Symbiosis</i> , 2017, 73, 35-44.	2.3	18
45	<sc>ITS</sc> 1 metabarcoding highlights low specificity of lichen mycobiomes at a local scale. <i>Molecular Ecology</i> , 2017, 26, 4811-4830.	3.9	66
46	Molecular analyses uncover the phylogenetic placement of the lichenized hyphomycetous genus <i>Cheiromycina</i> . <i>Mycologia</i> , 2017, 109, 1-13.	1.9	5
47	Effects of Growth Media on the Diversity of Culturable Fungi from Lichens. <i>Molecules</i> , 2017, 22, 824.	3.8	47
48	Unexpected associated microalgal diversity in the lichen <i>Ramalina farinacea</i> is uncovered by pyrosequencing analyses. <i>PLoS ONE</i> , 2017, 12, e0175091.	2.5	85
49	<i>Schizoxylon</i> as an experimental model for studying interkingdom symbiosis. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw165.	2.7	8
50	Resolving evolutionary relationships in lichen-forming fungi using diverse phylogenomic datasets and analytical approaches. <i>Scientific Reports</i> , 2016, 6, 22262.	3.3	42
51	New features of desiccation tolerance in the lichen photobiont <i>Trebouxia gelatinosa</i> are revealed by a transcriptomic approach. <i>Plant Molecular Biology</i> , 2016, 91, 319-339.	3.9	69
52	Extremotolerant fungi from alpine rock lichens and their phylogenetic relationships. <i>Fungal Diversity</i> , 2016, 76, 119-142.	12.3	69
53	Community Analyses Uncover High Diversity of Lichenicolous Fungi in Alpine Habitats. <i>Microbial Ecology</i> , 2015, 70, 348-360.	2.8	31
54	Phylogenetic placement of the lichenicolous, anamorphic genus <i>Lichenodiplis</i> and its connection to <i>Muellerella</i> -like teleomorphs. <i>Fungal Biology</i> , 2015, 119, 1115-1128.	2.5	22

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55	Disentangling the complex of <i>Lichenothelia</i> species from rock communities in the desert. <i>Mycologia</i> , 2015, 107, 1233-1253.	1.9	23
56	Reassessing evolutionary relationships in the filamentous cyanolichen genus <i>Spilonema</i> (<i>Peltigerales</i> , <i>Lecanoromycetes</i>). <i>Lichenologist</i> , 2014, 46, 373-388.	0.8	14
57	Naming and outline of <i>Dothideomycetes</i> 2014 including proposals for the protection or suppression of generic names. <i>Fungal Diversity</i> , 2014, 69, 1-55.	12.3	216
58	Global assessment of genetic variation and phenotypic plasticity in the lichen-forming species <i>Tephromela atra</i> . <i>Fungal Diversity</i> , 2014, 64, 233-251.	12.3	57
59	Photobiont selectivity leads to ecological tolerance and evolutionary divergence in a polymorphic complex of lichenized fungi. <i>Annals of Botany</i> , 2014, 114, 463-475.	2.9	94
60	Families of <i>Dothideomycetes</i> . <i>Fungal Diversity</i> , 2013, 63, 1-313.	12.3	509
61	The symbiotic playground of lichen thalli - a highly flexible photobiont association in rock-inhabiting lichens. <i>FEMS Microbiology Ecology</i> , 2013, 85, 313-323.	2.7	87
62	The Lichen Connections of Black Fungi. <i>Mycopathologia</i> , 2013, 175, 523-535.	3.1	49
63	Localization of bacteria in lichens from Alpine soil crusts by fluorescence in situ hybridization. <i>Applied Soil Ecology</i> , 2013, 68, 20-25.	4.3	31
64	Niches and Adaptations of Polyextremotolerant Black Fungi. <i>Cellular Origin and Life in Extreme Habitats</i> , 2013, , 551-566.	0.3	10
65	Polyextremotolerant black fungi: oligotrophism, adaptive potential, and a link to lichen symbioses. <i>Frontiers in Microbiology</i> , 2012, 3, 390.	3.5	94
66	Alphaproteobacterial communities in geographically distant populations of the lichen <i>Cetraria aculeata</i> . <i>FEMS Microbiology Ecology</i> , 2012, 82, 316-325.	2.7	50
67	Revisiting photobiont diversity in the lichen family <i>Verrucariaceae</i> (<i>Ascomycota</i>). <i>European Journal of Phycology</i> , 2011, 46, 399-415.	2.0	148
68	Photobiont association and genetic diversity of the optionally lichenized fungus <i>Schizoxylon albescens</i> . <i>FEMS Microbiology Ecology</i> , 2011, 75, 255-272.	2.7	52
69	Convergent evolution of a symbiotic duet: The case of the lichen genus <i>Polychidium</i> (<i>Peltigerales</i> , <i>Ascomycota</i>). <i>American Journal of Botany</i> , 2011, 98, 1647-1656.	1.7	39
70	Morphological and phylogenetic study of algal partners associated with the lichen-forming fungus <i>Tephromela atra</i> from the Mediterranean region. <i>Symbiosis</i> , 2010, 51, 149-160.	2.3	49
71	Fungal composition of lichen thalli assessed by single strand conformation polymorphism. <i>Lichenologist</i> , 2010, 42, 461-473.	0.8	15
72	Phylogenetic placement of some morphologically unusual members of <i>Verrucariales</i> . <i>Mycologia</i> , 2010, 102, 835-846.	1.9	28

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73	Culture studies on the mycobiont isolated from <i>Parmotrema reticulatum</i> (Taylor) Choisy: metabolite production under different conditions. <i>Mycological Progress</i> , 2009, 8, 359-365.	1.4	23
74	Molecular data confirm the position of <i>Flakea papillata</i> in the Verrucariaceae. <i>Bryologist</i> , 2009, 112, 538-543.	0.6	8
75	Genetic diversity and photobiont associations in selected taxa of the <i>Tephromela atra</i> group (Lecanorales, lichenised Ascomycota). <i>Mycological Progress</i> , 2008, 7, 147-160.	1.4	64
76	The sterile microfilamentous lichenized fungi <i>Cystocoleus ebeneus</i> and <i>Racodium rupestre</i> are relatives of plant pathogens and clinically important dothidealean fungi. <i>Mycological Research</i> , 2008, 112, 50-56.	2.5	46