

Mauro Tretiach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2647908/publications.pdf>

Version: 2024-02-01

70
papers

2,293
citations

218677

26
h-index

233421

45
g-index

70
all docs

70
docs citations

70
times ranked

3004
citing authors

#	ARTICLE	IF	CITATIONS
1	Photobiont Diversity in Lichen Symbioses From Extreme Environments. <i>Frontiers in Microbiology</i> , 2022, 13, 809804.	3.5	11
2	Is airborne graphene oxide a possible hazard for the sexual reproduction of wind-pollinated plants?. <i>Science of the Total Environment</i> , 2022, 830, 154625.	8.0	5
3	How dry is dry? Molecular mobility in relation to thallus water content in a lichen. <i>Journal of Experimental Botany</i> , 2021, 72, 1576-1588.	4.8	24
4	Element accumulation performance of living and dead lichens in a large-scale transplant application. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16214-16226.	5.3	10
5	Influence of secondary metabolites on surface chemistry and metal adsorption of a devitalized lichen biomonitor. <i>Environmental Pollution</i> , 2021, 273, 116500.	7.5	3
6	The lichens of the Majella National Park (Central Italy): an annotated checklist. <i>Mycology</i> , 2021, 78, 119-168.	1.9	1
7	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
8	The Interaction of Graphene Oxide with the Pollen- σ Stigma System: In Vivo Effects on the Sexual Reproduction of <i>Cucurbita pepo</i> L.. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6150.	2.5	6
9	Graphene environmental biodegradation: Wood degrading and saprotrophic fungi oxidize few-layer graphene. <i>Journal of Hazardous Materials</i> , 2021, 414, 125553.	12.4	17
10	New insight on element bioaccumulation performance of two lichen biomonitors: When morpho-chemical details mark the difference. <i>Science of the Total Environment</i> , 2021, 782, 146360.	8.0	2
11	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
12	Effects of Few-Layer Graphene on the Sexual Reproduction of Seed Plants: An In Vivo Study with <i>Cucurbita pepo</i> L.. <i>Nanomaterials</i> , 2020, 10, 1877.	4.1	5
13	Environmental DNA assessment of airborne plant and fungal seasonal diversity. <i>Science of the Total Environment</i> , 2020, 738, 140249.	8.0	44
14	Abundance and Extracellular Release of Phytohormones in Aero-terrestrial Microalgae (<i>Trebouxiophyceae</i> , <i>Chlorophyta</i>) As a Potential Chemical Signaling Source 1. <i>Journal of Phycology</i> , 2020, 56, 1295-1307.	2.3	19
15	Beyond graphene oxide acidity: Novel insights into graphene related materials effects on the sexual reproduction of seed plants. <i>Journal of Hazardous Materials</i> , 2020, 393, 122380.	12.4	14
16	Validation of particulate dispersion models by native lichens as point receptors: a case study from NE Italy. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13384-13395.	5.3	1
17	Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga <i>Trebouxia gelatinosa</i> . <i>Nanotoxicology</i> , 2019, 13, 492-509.	3.0	12
18	Congruence Evaluation of Mercury Pollution Patterns Around a Waste Incinerator over a 16-Year-Long Period Using Different Biomonitors. <i>Atmosphere</i> , 2019, 10, 183.	2.3	9

#	ARTICLE	IF	CITATIONS
19	New Interpretative Scales for Lichen Bioaccumulation Data: The Italian Proposal. <i>Atmosphere</i> , 2019, 10, 136.	2.3	30
20	Beyond ozone-tolerance: Effects of ozone fumigation on trace element and PAH enriched thalli of the lichen biomonitor <i>Pseudevernia furfuracea</i> . <i>Atmospheric Environment</i> , 2019, 210, 132-142.	4.1	3
21	Background element content in the lichen <i>Pseudevernia furfuracea</i> : a comparative analysis of digestion methods. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 260.	2.7	8
22	Background element content of the lichen <i>Pseudevernia furfuracea</i> : A supra-national state of art implemented by novel field data from Italy. <i>Science of the Total Environment</i> , 2018, 622-623, 282-292.	8.0	16
23	Ozone and desiccation tolerance in chlorolichens are intimately connected: a case study based on two species with different ecology. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8089-8103.	5.3	10
24	Relationships between water status and photosystem functionality in a chlorolichen and its isolated photobiont. <i>Planta</i> , 2018, 247, 705-714.	3.2	10
25	Effects of site-specific climatic conditions on the radial growth of the lichen biomonitor <i>Xanthoria parietina</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 34017-34026.	5.3	12
26	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. <i>ACS Nano</i> , 2018, 12, 10582-10620.	14.6	438
27	Graphene oxide impairs the pollen performance of <i>Nicotiana tabacum</i> and <i>Corylus avellana</i> suggesting potential negative effects on the sexual reproduction of seed plants. <i>Environmental Science: Nano</i> , 2018, 5, 1608-1617.	4.3	18
28	Relation between water status and desiccation-affected genes in the lichen photobiont <i>Trebouxia gelatinosa</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 129, 189-197.	5.8	28
29	DNA metabarcoding uncovers fungal diversity of mixed airborne samples in Italy. <i>PLoS ONE</i> , 2018, 13, e0194489.	2.5	62
30	Biomagnetic monitoring and element content of lichen transplants in a mixed land use area of NE Italy. <i>Science of the Total Environment</i> , 2017, 595, 858-867.	8.0	17
31	Intraspecific variability in baseline element composition of the epiphytic lichen <i>Pseudevernia furfuracea</i> in remote areas: implications for biomonitoring of air pollution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8004-8016.	5.3	18
32	Melanization Affects the Content of Selected Elements in Parmelioid Lichens. <i>Journal of Chemical Ecology</i> , 2017, 43, 1086-1096.	1.8	14
33	Acetone washing for the removal of lichen substances affects membrane permeability. <i>Lichenologist</i> , 2017, 49, 387-395.	0.8	11
34	Heat shock treatments for the control of lithobionts: A case study with epilithic green microalgae. <i>International Biodeterioration and Biodegradation</i> , 2017, 123, 236-243.	3.9	18
35	Drought versus heat: What's the major constraint on Mediterranean green roof plants?. <i>Science of the Total Environment</i> , 2016, 566-567, 753-760.	8.0	35
36	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

#	ARTICLE	IF	CITATIONS
37	Desiccation tolerance and lichenization: a case study with the aeroterrestrial microalga <i>Trebouxia</i> sp. (Chlorophyta). <i>Planta</i> , 2015, 242, 493-505.	3.2	36
38	Does shallow substrate improve water status of plants growing on green roofs? Testing the paradox in two sub-Mediterranean shrubs. <i>Ecological Engineering</i> , 2015, 84, 292-300.	3.6	19
39	Seasonal variations of PAHs content and distribution patterns in a mixed land use area: A case study in NE Italy with the transplanted lichen <i>Pseudevernia furfuracea</i> . <i>Atmospheric Environment</i> , 2015, 113, 255-263.	4.1	34
40	<i>Porina pseudohibernica</i> sp. nov., an isidiate, epiphytic lichen from central and south-eastern Europe. <i>Lichenologist</i> , 2014, 46, 617-625.	0.8	10
41	Ozone tolerance in lichens: A possible explanation from biochemical to physiological level using <i>Flavoparmelia caperata</i> as test organism. <i>Journal of Plant Physiology</i> , 2014, 171, 1514-1523.	3.5	12
42	Patterns of traffic polycyclic aromatic hydrocarbon pollution in mountain areas can be revealed by lichen biomonitoring: A case study in the Dolomites (Eastern Italian Alps). <i>Science of the Total Environment</i> , 2014, 475, 90-96.	8.0	43
43	Classification Framework for Graphene-Based Materials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7714-7718.	13.8	369
44	Seasonal acclimation in the epiphytic lichen <i>Parmelia sulcata</i> is influenced by change in photobiont population density. <i>Oecologia</i> , 2013, 173, 649-663.	2.0	18
45	Why lichens are bad biomonitors of ozone pollution?. <i>Ecological Indicators</i> , 2013, 34, 391-397.	6.3	12
46	Water relation parameters of six <i>Peltigera</i> species correlate with their habitat preferences. <i>Fungal Ecology</i> , 2013, 6, 397-407.	1.6	18
47	Devitalization of poikilohydric lithobionts of open-air monuments by heat shock treatments: A new case study centred on bryophytes. <i>International Biodeterioration and Biodegradation</i> , 2013, 84, 44-53.	3.9	17
48	Hydrogen sulphide inhibits PSII of lichen photobionts. <i>Lichenologist</i> , 2013, 45, 101-113.	0.8	12
49	Heat Shock Treatments: A New Safe Approach against Lichen Growth on Outdoor Stone Surfaces. <i>Environmental Science & Technology</i> , 2012, 46, 6851-6859.	10.0	30
50	Water availability modifies tolerance to photo-oxidative pollutants in transplants of the lichen <i>Flavoparmelia caperata</i> . <i>Oecologia</i> , 2012, 168, 589-599.	2.0	22
51	Effects of the urban environmental conditions on the chlorophyll a fluorescence emission in transplants of three ecologically distinct lichens. <i>Environmental and Experimental Botany</i> , 2011, 73, 102-107.	4.2	30
52	Lichen transplants as a suitable tool to identify mercury pollution from waste incinerators: a case study from NE Italy. <i>Environmental Monitoring and Assessment</i> , 2011, 175, 589-600.	2.7	41
53	Photosynthesis in chlorolichens: the influence of the habitat light regime. <i>Journal of Plant Research</i> , 2010, 123, 763-775.	2.4	28
54	Chlorophyll a fluorescence as a practical tool for checking the effects of biocide treatments on endolithic lichens. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 452-460.	3.9	26

#	ARTICLE	IF	CITATIONS
55	Species delimitation in the <i>Lepraria isidiata</i> - <i>L. santosii</i> group: a population study in the Mediterranean-Macaronesian region. <i>Lichenologist</i> , 2009, 41, 1-15.	0.8	26
56	In vitro receptivity of carbonate rocks to endolithic lichen-forming aposymbionts. <i>Mycological Research</i> , 2009, 113, 1216-1227.	2.5	35
57	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
58	A combined molecular and morphological approach to species delimitation in black-fruited, endolithic <i>Caloplaca</i> : high genetic and low morphological diversity. <i>Mycological Research</i> , 2008, 112, 36-49.	2.5	46
59	Intrathalline Variation of Chlorophyll a Fluorescence Emission in The Epiphytic Lichen <i>Flavoparmelia Caperata</i> . <i>Bryologist</i> , 2008, 111, 455-462.	0.6	14
60	Seasonal variations of <i>F_o</i> , <i>F_m</i> , and <i>F_v/F_m</i> in an epiphytic population of the lichen <i>Punctelia subrudecta</i> (Nyl.) Krog. <i>Lichenologist</i> , 2007, 39, 555-565.	0.8	38
61	Effects of Ambient NO _x on Chlorophyll a Fluorescence in Transplanted <i>Flavoparmelia caperata</i> (Lichen). <i>Environmental Science & Technology</i> , 2007, 41, 2978-2984.	10.0	29
62	Efficacy of a biocide tested on selected lichens and its effects on their substrata. <i>International Biodeterioration and Biodegradation</i> , 2007, 59, 44-54.	3.9	33
63	<i>Caloplaca badioreagens</i> , a new calcicolous, endolithic lichen from Italy. <i>Lichenologist</i> , 2006, 38, 223-229.	0.8	17
64	A revision of the lichen genus <i>Lepraria</i> s.lat. in Italy. <i>Nova Hedwigia</i> , 2006, 83, 387-430.	0.4	19
65	<i>Isidia</i> ontogeny and its effect on the CO ₂ gas exchanges of the epiphytic lichen <i>Pseudevernia furfuracea</i> (L.) Zopf. <i>Lichenologist</i> , 2005, 37, 445-462.	0.8	39
66	Differential land snail damage to selected species of the lichen genus <i>Peltigera</i> . <i>Biochemical Systematics and Ecology</i> , 2004, 32, 127-138.	1.3	23
67	<i>Caloplaca erodens</i> [sect. <i>Pyrenodesmia</i>], a new lichen species from Italy with an unusual thallus type. <i>Mycological Progress</i> , 2003, 2, 127-136.	1.4	20
68	Determinant factors for the formation of the calcium oxalate minerals, weddellite and whewellite, on the surface of foliose lichens. <i>Lichenologist</i> , 2003, 35, 255-270.	0.8	60
69	Hydrogen Sulphide and Epiphytic Lichen Vegetation: a Case Study on Mt. Amiata (Central Italy). <i>Lichenologist</i> , 1999, 31, 163-181.	0.8	12
70	Ecophysiology of calcicolous endolithic lichens: progress and problems. <i>Giornale Botanico Italiano</i> (Florence, Italy: 1962), 1995, 129, 159-184.	0.0	27