Fabio Candotto Carniel

List of Publications by Year
in descending order

28 papers	946 citations	566801 15 h-index	500791 28 g-index
28 all docs	28 docs citations	28 times ranked	1483 citing authors

#	Article	IF	Citations
1	Is airborne graphene oxide a possible hazard for the sexual reproduction of wind-pollinated plants?. Science of the Total Environment, 2022, 830, 154625.	3.9	5
2	How dry is dry? Molecular mobility in relation to thallus water content in a lichen. Journal of Experimental Botany, 2021, 72, 1576-1588.	2.4	24
3	Enhanced culturing techniques for the mycobiont isolated from the lichen Xanthoria parietina. Mycological Progress, 2021, 20, 797-808.	0.5	7
4	The Interaction of Graphene Oxide with the Pollenâ"Stigma System: In Vivo Effects on the Sexual Reproduction of Cucurbita pepo L.. Applied Sciences (Switzerland), 2021, 11, 6150.	1.3	6
5	Graphene environmental biodegradation: Wood degrading and saprotrophic fungi oxidize few-layer graphene. Journal of Hazardous Materials, 2021, 414, 125553.	6.5	17
6	Phytohormone release by three isolated lichen mycobionts and the effects of indole-3-acetic acid on their compatible photobionts. Symbiosis, 2020, 82, 95-108.	1.2	7
7	Effects of Few-Layer Graphene on the Sexual Reproduction of Seed Plants: An In Vivo Study with Cucurbita pepo L.. Nanomaterials, 2020, 10, 1877.	1.9	5
8	Abundance and Extracellular Release of Phytohormones in Aeroâ€terrestrial Microalgae (Trebouxiophyceae, Chlorophyta) As a Potential Chemical Signaling Source 1. Journal of Phycology, 2020, 56, 1295-1307.	1.0	19
9	Beyond graphene oxide acidity: Novel insights into graphene related materials effects on the sexual reproduction of seed plants. Journal of Hazardous Materials, 2020, 393, 122380.	6.5	14
10	Graphene-based materials do not impair physiology, gene expression and growth dynamics of the aeroterrestrial microalga Trebouxia gelatinosa. Nanotoxicology, 2019, 13, 492-509.	1.6	12
11	Congruence Evaluation of Mercury Pollution Patterns Around a Waste Incinerator over a 16-Year-Long Period Using Different Biomonitors. Atmosphere, 2019, 10, 183.	1.0	9
12	Background element content in the lichen Pseudevernia furfuracea: a comparative analysis of digestion methods. Environmental Monitoring and Assessment, 2019, 191, 260.	1.3	8
13	Background element content of the lichen Pseudevernia furfuracea: A supra-national state of art implemented by novel field data from Italy. Science of the Total Environment, 2018, 622-623, 282-292.	3.9	16
14	Ozone and desiccation tolerance in chlorolichens are intimately connected: a case study based on two species with different ecology. Environmental Science and Pollution Research, 2018, 25, 8089-8103.	2.7	10
15	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	7.3	438
16	Graphene oxide impairs the pollen performance of Nicotiana tabacum and Corylus avellana suggesting potential negative effects on the sexual reproduction of seed plants. Environmental Science: Nano, 2018, 5, 1608-1617.	2.2	18
17	Relation between water status and desiccation-affected genes in the lichen photobiont Trebouxia gelatinosa. Plant Physiology and Biochemistry, 2018, 129, 189-197.	2.8	28
18	Biomagnetic monitoring and element content of lichen transplants in a mixed land use area of NE Italy. Science of the Total Environment, 2017, 595, 858-867.	3.9	17

#	Article	IF	Citations
19	Infraspecific variability in baseline element composition of the epiphytic lichen Pseudevernia furfuracea in remote areas: implications for biomonitoring of air pollution. Environmental Science and Pollution Research, 2017, 24, 8004-8016.	2.7	18
20	Acetone washing for the removal of lichen substances affects membrane permeability. Lichenologist, 2017, 49, 387-395.	0.5	11
21	New features of desiccation tolerance in the lichen photobiont Trebouxia gelatinosa are revealed by a transcriptomic approach. Plant Molecular Biology, 2016, 91, 319-339.	2.0	69
22	Desiccation tolerance and lichenization: a case study with the aeroterrestrial microalga Trebouxia sp. (Chlorophyta). Planta, 2015, 242, 493-505.	1.6	36
23	Seasonal variations of PAHs content and distribution patterns in a mixed land use area: A case study in NE Italy with the transplanted lichen Pseudevernia furfuracea. Atmospheric Environment, 2015, 113, 255-263.	1.9	34
24	Ozone tolerance in lichens: A possible explanation from biochemical to physiological level using Flavoparmelia caperata as test organism. Journal of Plant Physiology, 2014, 171, 1514-1523.	1.6	12
25	Seasonal acclimation in the epiphytic lichen Parmelia sulcata is influenced by change in photobiont population density. Oecologia, 2013, 173, 649-663.	0.9	18
26	Devitalization of poikilohydric lithobionts of open-air monuments by heat shock treatments: A new case study centred on bryophytes. International Biodeterioration and Biodegradation, 2013, 84, 44-53.	1.9	17
27	Heat Shock Treatments: A New Safe Approach against Lichen Growth on Outdoor Stone Surfaces. Environmental Science & Technology, 2012, 46, 6851-6859.	4.6	30
28	Lichen transplants as a suitable tool to identify mercury pollution from waste incinerators: a case study from NE Italy. Environmental Monitoring and Assessment, 2011, 175, 589-600.	1.3	41