Mirco Iotti

List of Publications by Year in descending order

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Version: 2024-02-01

49 papers	1,775 citations	361045 20 h-index	276539 41 g-index
49 all docs	49 docs citations	49 times ranked	1915 citing authors

#	Article	IF	Citations
1	PÃ©rigord black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. Nature, 2010, 464, 1033-1038.	13.7	641
2	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. Nature Ecology and Evolution, 2018, 2, 1956-1965.	3.4	95
3	A quick and precise technique for identifying ectomycorrhizas by PCR. Mycological Research, 2006, 110, 60-65.	2.5	75
4	Morphological and molecular characterization of mycelia of some Tuber species in pure culture. New Phytologist, 2002, 155, 499-505.	3.5	66
5	Biochemical characterisation and antioxidant activity of mycelium of Ganoderma lucidum from Central Italy. Food Chemistry, 2009, 116, 143-151.	4.2	66
6	Assessment of ectomycorrhizal fungal communities in the natural habitats of Tuber magnatum (Ascomycota, Pezizales). Mycorrhiza, 2013, 23, 349-358.	1.3	55
7	The ectomycorrhizal community in naturalTuber borchiiâ€ƒgrounds. FEMS Microbiology Ecology, 2010, 72, 250-260.	1.3	54
8	Interactions between Tuber borchii and other ectomycorrhizal fungi in a field plantation. Mycological Research, 2000, 104, 698-702.	2.5	48
9	Effects of soil tillage on Tuber magnatum development in natural truffiÃ¨res. Mycorrhiza, 2014, 24, 79-87.	1.3	47
10	Soil fungal communities in a Castanea sativa (chestnut) forest producing large quantities of Boletus edulis sensu lato (porcini): where is the mycelium of porcini?. Environmental Microbiology, 2007, 9, 880-889.	1.8	42
11	First evidence for truffle production from plants inoculated with mycelial pure cultures. Mycorrhiza, 2016, 26, 793-798.	1.3	36
12	Multilocus phylogenetic and coalescent analyses identify two cryptic species in the Italian bianchetto truffle, Tuber borchii Vittad.. Conservation Genetics, 2010, 11, 1453-1466.	0.8	35
13	Self/nonself recognition in Tuber melanosporum is not mediated by a heterokaryon incompatibility system. Fungal Biology, 2012, 116, 261-275.	1.1	34
14	Selection of a set of specific primers for the identification ofTuber rufum: a truffle species with high genetic variability. FEMS Microbiology Letters, 2007, 277, 223-231.	0.7	33
15	Spatio-Temporal Dynamic of Tuber magnatum Mycelium in Natural Truffle Grounds. PLoS ONE, 2014, 9, e115921.	1.1	31
16	Viability and morphology of Tuber aestivum spores after passage through the gut of Sus scrofa. Fungal Ecology, 2014, 9, 52-60.	0.7	31
17	Characterization of Tuber borchii and Arbutus unedo mycorrhizas. Mycorrhiza, 2014, 24, 481-486.	1.3	28
18	Development and validation of a real-time PCR assay for detection and quantification of Tuber magnatum in soil. BMC Microbiology, 2012, 12, 93.	1.3	27

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19	Hypogeous fungi in Mediterranean maquis, arid and semi-arid forests. Plant Biosystems, 2014, 148, 392-401.	0.8	24
20	Biochemical Characterization and Antioxidant and Antiproliferative Activities of Different <i>Ganoderma </i>Collections. Journal of Molecular Microbiology and Biotechnology, 2015, 25, 16-25.	1.0	23
21	The role of wild boars in spore dispersal of hypogeous fungi. Acta Mycologica, 2013, 47, 145-153.	0.3	22
22	Morphological and functional changes in mycelium and mycorrhizas of Tuber borchii due to heat stress. Fungal Ecology, 2017, 29, 20-29.	0.7	21
23	Draft Genome Sequence of Tuber borchii Vittad., a Whitish Edible Truffle. Genome Announcements, 2018, 6, .	0.8	20
24	Techniques for Host Plant Inoculation with Truffles and Other Edible Ectomycorrhizal Mushrooms. Soil Biology, 2012, , 145-161.	0.6	19
25	Crested porcupines (Hystrix cristata): mycophagist spore dispersers of the ectomycorrhizal truffle Tuber aestivum. Mycorrhiza, 2018, 28, 561-565.	1.3	18
26	The Puberulum Group Sensu Lato (Whitish Truffles). Soil Biology, 2016, , 105-124.	0.6	17
27	Effect of summer soil moisture and temperature on the vertical distribution of Tuber magnatum mycelium in soil. Biology and Fertility of Soils, 2018, 54, 707-716.	2.3	17
28	Ascoma genotyping and mating type analyses of mycorrhizas and soil mycelia of Tuber borchii in a truffle orchard established by mycelial inoculated plants. Environmental Microbiology, 2020, 22, 964-975.	1.8	16
29	Ectomycorrhizal Fungal Communities of Edible Ectomycorrhizal Mushrooms. Soil Biology, 2012, , 105-124.	0.6	15
30	Effects of fungicides on Tuber borchii and Hebeloma sinapizans ectomycorrhizas. Mycological Research, 2001, 105, 611-614.	2.5	14
31	Genetic structure and phylogeny of Italian and Czech populations of the cucurbit powdery mildew fungus Golovinomyces orontii inferred by multilocus sequence typing. Plant Pathology, 2016, 65, 959-967.	1.2	12
32	Effect of slug mycophagy on Tuber aestivum spores. Fungal Biology, 2021, 125, 796-805.	1.1	10
33	Morphological and Molecular Modifications Induced by Different Carbohydrate Sources in <i>Tuber borchii</i>. Journal of Molecular Microbiology and Biotechnology, 2010, 18, 120-128.	1.0	8
34	Genetic Resources and Mycelial Characteristics of Several Medicinal Polypore Mushrooms (Polyporales, Basidiomycetes). International Journal of Medicinal Mushrooms, 2015, 17, 371-384.	0.9	8
35	Expanding the understanding of a forest ectomycorrhizal community by combining root tips and fruiting bodies: a case study of Tuber magnatum stands. Turkish Journal of Botany, 2015, 39, 527-534.	0.5	8
36	Bacteria-produced ferric exopolysaccharide nanoparticles as iron delivery system for truffles (Tuber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	8

#	Article	IF	Citations
37	Synthesis and ultrastructural observation of arbutoid mycorrhizae of black truffles (Tuber) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.3	7
38	Enhancing White Truffle (Tuber magnatum Picco and T. borchii Vittad.) Cultivation Through Biotechnology Innovation. , 2021, , 505-532.		7
39	Mycoviruses Infecting True Truffles. Soil Biology, 2016, , 333-349.	0.6	6
40	Tuber iranicum, sp. nov., a truffle species belonging to the Excavatum clade. Mycologia, 2020, 112, 932-940.	0.8	5
41	Co-occurrence of true truffle mycelia in Tuber magnatum fruiting sites. Mycorrhiza, 2021, 31, 389-394.	1.3	5
42	Typification of the Four Most Investigated and Valuable Truffles: Tuber aestivum Vittad., T. borchii Vittad., T. magnatum Picco and T. melanosporum Vittad.. Cryptogamie, Mycologie, 2021, 42, .	0.2	4
43	Tuber melosporum smooth spores: an anomalous feature in the genus Tuber. Mycologia, 2016, 108, 174-178.	0.8	3
44	Truffles and Morels: Two Different Evolutionary Strategies of Fungal-Plant Interactions in the Pezizales. , 2019, , 69-93.		3
45	Effects of biogenerated ferric hydroxides nanoparticles on truffle mycorrhized plants. Mycorrhiza, 2020, 30, 211-219.	1.3	3
46	Truffles: Biodiversity, Ecological Significances, and Biotechnological Applications. Fungal Biology, 2021, , 107-146.	0.3	3
47	Values and challenges in the assessment of coprophilous fungi according to the IUCN Red List criteria: the case study of Poronia punctata (Xylariales, Ascomycota). Plant Biosystems, 2021, 155, 199-203.	0.8	2
48	Ultra-Low Freezing to Preserve the Lingzhi or Reishi Medicinal Mushroom Ganoderma lucidum (Agaricomycetes). International Journal of Medicinal Mushrooms, 2018, 20, 677-683.	0.9	2
49	Multilocus Phylogeography of the Tuber mesentericum Complex Unearths Three Highly Divergent Cryptic Species. Journal of Fungi (Basel, Switzerland), 2021, 7, 1090.	1.5	1