

# Alessandra Zambonelli

## List of Publications by Year in descending order

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64  
papers

2,684  
citations

201674

27  
h-index

189892

50  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorization of Hazelnut Shells as Growing Substrate for Edible and Medicinal Mushrooms. Horticulturae, 2022, 8, 214.	2.8	13
2	Truffles: Biodiversity, Ecological Significances, and Biotechnological Applications. Fungal Biology, 2021, , 107-146.	0.6	3
3	Comparison of Two Schizophyllum commune Strains in Production of Acetylcholinesterase Inhibitors and Antioxidants from Submerged Cultivation. Journal of Fungi (Basel, Switzerland), 2021, 7, 115.	3.5	13
4	Co-occurrence of true truffle mycelia in Tuber magnatum fruiting sites. Mycorrhiza, 2021, 31, 389-394.	2.8	5
5	Effect of slug mycophagy on Tuber aestivum spores. Fungal Biology, 2021, 125, 796-805.	2.5	10
6	Enhancing White Truffle (Tuber magnatum Picco and T. borchii Vittad.) Cultivation Through Biotechnology Innovation. , 2021, , 505-532.		7
7	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.	3.8	16
8	Degradative Ability of Mushrooms Cultivated on Corn Silage Digestate. Molecules, 2020, 25, 3020.	3.8	7
9	<i>Tuber iranicum</i> , sp. nov., a truffle species belonging to the Excavatum clade. Mycologia, 2020, 112, 932-940.	1.9	5
10	Effects of biogenerated ferric hydroxides nanoparticles on truffle mycorrhized plants. Mycorrhiza, 2020, 30, 211-219.	2.8	3
11	Truffles and Morels: Two Different Evolutionary Strategies of Fungal-Plant Interactions in the Pezizales. , 2019, , 69-93.		3
12	Bacteria-produced ferric exopolysaccharide nanoparticles as iron delivery system for truffles (Tuber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.6	8
13	Pezizomycetes genomes reveal the molecular basis of ectomycorrhizal truffle lifestyle. Nature Ecology and Evolution, 2018, 2, 1956-1965.	7.8	95
14	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.	4.3	17
15	Draft Genome Sequence of Tuber borchii Vittad., a Whitish Edible Truffle. Genome Announcements, 2018, 6, .	0.8	20
16	Microbial and pigment profile of the reddish patch occurring within Tuber magnatum ascomata. Fungal Biology, 2018, 122, 1134-1141.	2.5	15
17	Morphological and functional changes in mycelium and mycorrhizas of Tuber borchii due to heat stress. Fungal Ecology, 2017, 29, 20-29.	1.6	21
18	Truffle Ecology: Genetic Diversity, Soil Interactions and Functioning. , 2017, , 231-252.		11

#	ARTICLE	IF	CITATIONS
19	Chapter 23 Mycophagy and Spore Dispersal by Vertebrates. <i>Mycology</i> , 2017, , 347-358.	0.5	9
20	ECOLOGICAL AND GENETIC ADVANCES IN THE CULTIVATION OF TUBER SPP.. <i>Revista Fitotecnia Mexicana</i> , 2017, 40, 371-377.	0.1	3
21	First evidence for truffle production from plants inoculated with mycelial pure cultures. <i>Mycorrhiza</i> , 2016, 26, 793-798.	2.8	36
22	The <i>Puberulum</i> Group <i>Sensu Lato</i> (Whitish Truffles). <i>Soil Biology</i> , 2016, , 105-124.	0.8	17
23	<i>Tuber melosporum</i> smooth spores: an anomalous feature in the genus <i>Tuber</i> . <i>Mycologia</i> , 2016, 108, 174-178.	1.9	3
24	Expanding the understanding of a forest ectomycorrhizal community by combining root tips and fruiting bodies: a case study of <i>Tuber magnatum</i> stands. <i>Turkish Journal of Botany</i> , 2015, 39, 527-534.	1.2	8
25	Spatio-Temporal Dynamic of <i>Tuber magnatum</i> Mycelium in Natural Truffle Grounds. <i>PLoS ONE</i> , 2014, 9, e115921.	2.5	31
26	Characterization of <i>Tuber borchii</i> and <i>Arbutus unedo</i> mycorrhizas. <i>Mycorrhiza</i> , 2014, 24, 481-486.	2.8	28
27	Viability and morphology of <i>Tuber aestivum</i> spores after passage through the gut of <i>Sus scrofa</i> . <i>Fungal Ecology</i> , 2014, 9, 52-60.	1.6	31
28	Historical Biogeography and Diversification of Truffles in the Tuberaceae and Their Newly Identified Southern Hemisphere Sister Lineage. <i>PLoS ONE</i> , 2013, 8, e52765.	2.5	175
29	The role of wild boars in spore dispersal of hypogeous fungi. <i>Acta Mycologica</i> , 2013, 47, 145-153.	0.3	22
30	Effect of 300 mT static and 50ÂHz 0.1 mT extremely low frequency magnetic fields on <i>Tuber borchii</i> mycelium. <i>Canadian Journal of Microbiology</i> , 2012, 58, 1174-1182.	1.7	18
31	Self/nonsel self recognition in <i>Tuber melanosporum</i> is not mediated by a heterokaryon incompatibility system. <i>Fungal Biology</i> , 2012, 116, 261-275.	2.5	34
32	Development and validation of a real-time PCR assay for detection and quantification of <i>Tuber magnatum</i> in soil. <i>BMC Microbiology</i> , 2012, 12, 93.	3.3	27
33	Laying the Foundations. <i>Soil Biology</i> , 2012, , 3-16.	0.8	16
34	Ectomycorrhizal Fungal Communities of Edible Ectomycorrhizal Mushrooms. <i>Soil Biology</i> , 2012, , 105-124.	0.8	15
35	Techniques for Host Plant Inoculation with Truffles and Other Edible Ectomycorrhizal Mushrooms. <i>Soil Biology</i> , 2012, , 145-161.	0.8	19
36	Multilocus phylogenetic and coalescent analyses identify two cryptic species in the Italian bianchetto truffle, <i>Tuber borchii</i> Vittad.. <i>Conservation Genetics</i> , 2010, 11, 1453-1466.	1.5	35

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37	The ectomycorrhizal community in natural <i>Tuber borchii</i> grounds. FEMS Microbiology Ecology, 2010, 72, 250-260.	2.7	54
38	Original black truffle genome uncovers evolutionary origins and mechanisms of symbiosis. Nature, 2010, 464, 1033-1038.	27.8	641
39	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
40	New evidence for nitrogen fixation within the Italian white truffle <i>Tuber magnatum</i> . Fungal Biology, 2010, 114, 936-942.	2.5	95
41	Biochemical characterisation and antioxidant activity of mycelium of <i>Ganoderma lucidum</i> from Central Italy. Food Chemistry, 2009, 116, 143-151.	8.2	66
42	Soil fungal communities in a <i>Castanea sativa</i> (chestnut) forest producing large quantities of <i>Boletus edulis sensu lato</i> (porcini): where is the mycelium of porcini?. Environmental Microbiology, 2007, 9, 880-889.	3.8	42
43	Occurrence and diversity of bacterial communities in <i>Tuber magnatum</i> during truffle maturation. Environmental Microbiology, 2007, 9, 2234-2246.	3.8	120
44	Selection of a set of specific primers for the identification of <i>Tuber rufum</i> : a truffle species with high genetic variability. FEMS Microbiology Letters, 2007, 277, 223-231.	1.8	33
45	Molecular identification of <i>Tuber magnatum</i> ectomycorrhizae in the field. Microbiological Research, 2006, 161, 59-64.	5.3	42
46	A quick and precise technique for identifying ectomycorrhizas by PCR. Mycological Research, 2006, 110, 60-65.	2.5	75
47	New evidence for bacterial diversity in the ascoma of the ectomycorrhizal fungus <i>Tuber borchii</i> Vittad.. FEMS Microbiology Letters, 2005, 247, 23-35.	1.8	114
48	Solid-phase microextraction gas chromatography/mass spectrometry: a new method for species identification of truffles. Rapid Communications in Mass Spectrometry, 2005, 19, 2365-2370.	1.5	60
49	Cultivation of Edible Ectomycorrhizal Fungi by in Vitro Mycorrhizal Synthesis. , 2005, , 253-267.		22
50	Chemical Composition and Fungicidal Activity of Commercial Essential Oils of <i>Thymus vulgaris</i> L.. Journal of Essential Oil Research, 2004, 16, 69-74.	2.7	56
51	Determination of specific volatile organic compounds synthesised during <i>Tuber borchii</i> fruit body development by solid-phase microextraction and gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 199-205.	1.5	74
52	Molecular approaches for the detection of truffle species in processed food products. Journal of the Science of Food and Agriculture, 2002, 82, 1391-1397.	3.5	18
53	Identification of putative genes involved in the development of <i>Tuber borchii</i> fruit body by mRNA differential display in agarose gel. Current Genetics, 2002, 42, 161-168.	1.7	37
54	Effects of different carbohydrate sources on the growth of <i>Tuber borchii</i> Vittad. mycelium strains in pure culture. Molecular and Cellular Biochemistry, 2001, 218, 65-70.	3.1	15

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55	Morphological and molecular characterisation Of <i>Pulvinula constellatio</i> ectomycorrhizae. <i>FEMS Microbiology Letters</i> , 2001, 194, 121-125.	1.8	29
56	Effects of fungicides on <i>Tuber borchii</i> and <i>Hebeloma sinapizans</i> ectomycorrhizas. <i>Mycological Research</i> , 2001, 105, 611-614.	2.5	14
57	Multiplex PCR for the identification of white Tuber species. <i>FEMS Microbiology Letters</i> , 2000, 189, 265-269.	1.8	32
58	Interactions between <i>Tuber borchii</i> and other ectomycorrhizal fungi in a field plantation. <i>Mycological Research</i> , 2000, 104, 698-702.	2.5	48
59	Molecular Phylogeny of Truffles (Pezizales: Terfeziaceae, Tuberaceae) Derived from Nuclear rDNA Sequence Analysis. <i>Molecular Phylogenetics and Evolution</i> , 1999, 13, 169-180.	2.7	85
60	Restriction fragment length polymorphism species-specific patterns in the identification of white truffles. <i>FEMS Microbiology Letters</i> , 1998, 164, 397-401.	1.8	23
61	Ultrastructural Studies of the Effects of <i>Allium sativum</i> on Phytopathogenic Fungi in vitro. <i>Plant Disease</i> , 1997, 81, 1241-1246.	1.4	60
62	<sup>137</sup> Cs Content in the Fruit Bodies of Various Tuber Species. <i>Health Physics</i> , 1996, 71, 956-959.	0.5	6
63	Synthesis of mycorrhizas on <i>Quercus suber</i> using <i>Hebeloma sinapizans</i> and <i>Paxillus involutus</i> . <i>Agriculture, Ecosystems and Environment</i> , 1990, 28, 35-40.	5.3	3
64	Mycorrhizal synthesis of <i>Tuber albidum</i> pico with <i>Castanea sativa</i> mill., <i>Quercus suber</i> L. and <i>Alnus cordata</i> loisel. <i>Agriculture, Ecosystems and Environment</i> , 1990, 28, 563-567.	5.3	13