

# Roberta Saltarelli

## List of Publications by Year in descending order

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36  
papers

1,078  
citations

471061

17  
h-index

414034

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and diversity of bacterial communities in <i>Tuber magnatum</i> during truffle maturation. <i>Environmental Microbiology</i> , 2007, 9, 2234-2246.	1.8	120
2	New evidence for bacterial diversity in the ascoma of the ectomycorrhizal fungus <i>Tuber borchii</i> Vittad.. <i>FEMS Microbiology Letters</i> , 2005, 247, 23-35.	0.7	114
3	New evidence for nitrogen fixation within the Italian white truffle <i>Tuber magnatum</i> . <i>Fungal Biology</i> , 2010, 114, 936-942.	1.1	95
4	Effect of storage on biochemical and microbiological parameters of edible truffle species. <i>Food Chemistry</i> , 2008, 109, 8-16.	4.2	75
5	Geographical traceability of Italian white truffle ( <i>Tuber magnatum</i> Pico) by the analysis of volatile organic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3147-3153.	0.7	68
6	Biochemical characterisation and antioxidant activity of mycelium of <i>Ganoderma lucidum</i> from Central Italy. <i>Food Chemistry</i> , 2009, 116, 143-151.	4.2	66
7	Hexose uptake in the plant symbiotic ascomycete <i>Tuber borchii</i> Vittadini: biochemical features and expression pattern of the transporter TBHXT1. <i>Fungal Genetics and Biology</i> , 2007, 44, 187-198.	0.9	51
8	Genomic profiling of carbohydrate metabolism in the ectomycorrhizal fungus <i>Tuber melanosporum</i> . <i>New Phytologist</i> , 2011, 189, 751-764.	3.5	51
9	Biochemical and morphological modifications during the growth of <i>Tuber borchii</i> mycelium. <i>Mycological Research</i> , 1998, 102, 403-409.	2.5	47
10	Possible involvement of <i>Pseudomonas fluorescens</i> and Bacillaceae in structural modifications of <i>Tuber borchii</i> fruit bodies. <i>Canadian Journal of Microbiology</i> , 2001, 47, 264-268.	0.8	42
11	Phytochemical composition, antioxidant and antiproliferative activities and effects on nuclear DNA of ethanolic extract from an Italian mycelial isolate of <i>Ganoderma lucidum</i> . <i>Journal of Ethnopharmacology</i> , 2019, 231, 464-473.	2.0	29
12	Effects of a Home-Based Lifestyle Intervention Program on Cardiometabolic Health in Breast Cancer Survivors during the COVID-19 Lockdown. <i>Journal of Clinical Medicine</i> , 2021, 10, 2678.	1.0	26
13	Possible involvement of <i>Pseudomonas fluorescens</i> and Bacillaceae in structural modifications of <i>Tuber borchii</i> fruit bodies. <i>Canadian Journal of Microbiology</i> , 2001, 47, 264-268.	0.8	25
14	Carbohydrate and amino acid metabolism in <i>Tuber borchii</i> mycelium during glucose utilization: a <sup>13</sup> C NMR study. <i>Fungal Genetics and Biology</i> , 2003, 39, 168-175.	0.9	23
15	Biochemical Characterization and Antioxidant and Antiproliferative Activities of Different <i>Ganoderma</i> Collections. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2015, 25, 16-25.	1.0	23
16	Identification and characterization of the <i>Tuber borchii</i> d-mannitol dehydrogenase which defines a new subfamily within the polyol-specific medium chain dehydrogenases. <i>Fungal Genetics and Biology</i> , 2007, 44, 965-978.	0.9	20
17	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.	0.8	18
18	Role of Dehydroascorbate in Rabbit Erythrocyte Hexokinase Inactivation Induced by Ascorbic Acid/Fe(II). <i>Archives of Biochemistry and Biophysics</i> , 1996, 334, 357-361.	1.4	17

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19	The intrinsically disordered E-domains regulate the IGF-1 prohormones stability, subcellular localisation and secretion. <i>Scientific Reports</i> , 2018, 8, 8919.	1.6	17
20	Hyphal and cytoskeleton polarization in <i>Tuber melanosporum</i> : A genomic and cellular analysis. <i>Fungal Genetics and Biology</i> , 2011, 48, 561-572.	0.9	16
21	Effects of different carbohydrate sources on the growth of <i>Tuber borchii</i> Vittad. mycelium strains in pure culture. <i>Molecular and Cellular Biochemistry</i> , 2001, 218, 65-70.	1.4	15
22	Sulfate metabolism in <i>Tuber borchii</i> : characterization of a putative sulfate transporter and the homocysteine synthase genes. <i>Current Genetics</i> , 2010, 56, 109-119.	0.8	14
23	Effects of acute aerobic, resistance and combined exercises on 24-h glucose variability and skeletal muscle signalling responses in type 1 diabetics. <i>European Journal of Applied Physiology</i> , 2020, 120, 2677-2691.	1.2	12
24	Hexokinase Inactivation Induced by Ascorbic Acid/Fe(II) in Rabbit Erythrocytes Is Independent of Glutathione-Reductive Processes and Appears to Be Mediated by Dehydroascorbic Acid. <i>Archives of Biochemistry and Biophysics</i> , 1997, 342, 191-196.	1.4	11
25	Strain differences in the mycelium of the ectomycorrhizal <i>Tuber borchii</i> . <i>Mycological Research</i> , 1999, 103, 1524-1528.	2.5	9
26	Cloning, Expression, and Characterization of the <i>hvk-1</i> Gene from the White Truffle <i>Tuber borchii</i> Vittad.: A First Step toward Understanding Sugar Metabolism. <i>Fungal Genetics and Biology</i> , 2001, 33, 15-23.	0.9	9
27	Altered muscle mitochondrial, inflammatory and trophic markers, and reduced exercise training adaptations in type 1 diabetes. <i>Journal of Physiology</i> , 2022, 600, 1405-1418.	1.3	9
28	Morphological and Molecular Modifications Induced by Different Carbohydrate Sources in <i>Tuber borchii</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2010, 18, 120-128.	1.0	8
29	Sugar transporters in the black truffle <i>Tuber melanosporum</i> : from gene prediction to functional characterization. <i>Fungal Genetics and Biology</i> , 2015, 81, 52-61.	0.9	8
30	Three different forms of hexokinase are identified during <i>Tuber borchii</i> mycelium growth. <i>Molecular and Cellular Biochemistry</i> , 1999, 194, 71-77.	1.4	7
31	A high concentration of glucose inhibits <i>Tuber borchii</i> mycelium growth: a biochemical investigation. <i>Mycological Research</i> , 2003, 107, 72-76.	2.5	7
32	Enolase from the ectomycorrhizal fungus <i>Tuber borchii</i> Vittad.: biochemical characterization, molecular cloning, and localization. <i>Fungal Genetics and Biology</i> , 2004, 41, 157-167.	0.9	7
33	Novel and simple high-performance liquid chromatographic method for determination of 3-hydroxy-3-methylglutaryl-coenzyme A reductase activity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 819, 307-313.	1.2	7
34	Characterization and mRNA expression profile of the <i>TbNre1</i> gene of the ectomycorrhizal fungus <i>Tuber borchii</i> . <i>Current Genetics</i> , 2009, 55, 59-68.	0.8	7
35	Defective IGF-1 prohormone N-glycosylation and reduced IGF-1 receptor signaling activation in congenital disorders of glycosylation. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 150.	2.4	3
36	A Proteomic View of Truffles: Aspects of Primary Metabolism and Molecular Processes During Their Life Cycle. <i>Soil Biology</i> , 2016, , 409-426.	0.6	2