

Sergi Garcia-Barreda

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

346
citations

933447

10
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888059

17
g-index

27
all docs

27
docs citations

27
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Black truffle cultivation: a global reality. <i>Forest Systems</i> , 2014, 23, 317.	0.3	85
2	Screening of bioactive compounds in truffles and evaluation of pressurized liquid extractions (PLE) to obtain fractions with biological activities. <i>Food Research International</i> , 2020, 132, 109054.	6.2	29
3	Multi-platform metabolomic approach to discriminate ripening markers of black truffles (<i>Tuber</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 8.2 24	8.2	24
4	Below-ground ectomycorrhizal community in natural <i>Tuber melanosporum</i> truffle grounds and dynamics after canopy opening. <i>Mycorrhiza</i> , 2012, 22, 361-369.	2.8	19
5	Agro-climatic zoning of Spanish forests naturally producing black truffle. <i>Agricultural and Forest Meteorology</i> , 2019, 269-270, 231-238.	4.8	19
6	Supercritical CO2 extraction method of aromatic compounds from truffles. <i>LWT - Food Science and Technology</i> , 2021, 150, 111954.	5.2	19
7	Long-term soil alteration in historical charcoal hearths affects <i>Tuber melanosporum</i> mycorrhizal development and environmental conditions for fruiting. <i>Mycorrhiza</i> , 2017, 27, 603-609.	2.8	15
8	Effects of gamma irradiation on the shelf-life and bioactive compounds of <i>Tuber aestivum</i> truffles packaged in passive modified atmosphere. <i>International Journal of Food Microbiology</i> , 2020, 332, 108774.	4.7	14
9	Variability and trends of black truffle production in Spain (1970-2017): Linkages to climate, host growth, and human factors. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107951.	4.8	14
10	Edaphic and temporal patterns of <i>Tuber melanosporum</i> fruitbody traits and effect of localised peat-based amendment. <i>Scientific Reports</i> , 2020, 10, 4422.	3.3	12
11	Black Truffle Harvesting in Spanish Forests: Trends, Current Policies and Practices, and Implications on its Sustainability. <i>Environmental Management</i> , 2018, 61, 535-544.	2.7	10
12	Reproductive phenology determines the linkages between radial growth, fruit production and climate in four Mediterranean tree species. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108493.	4.8	10
13	Response of <i>Tuber melanosporum</i> fruiting to canopy opening in a <i>Pinus-Quercus</i> forest. <i>Ecological Engineering</i> , 2013, 53, 54-60.	3.6	9
14	Cultivation of <i>Tuber melanosporum</i> in firebreaks: Short-term persistence of the fungus and effect of seedling age and soil treatment. <i>Fungal Biology</i> , 2013, 117, 783-790.	2.5	8
15	Reducing the infectivity and richness of ectomycorrhizal fungi in a calcareous <i>Quercus ilex</i> forest through soil preparations for truffle plantation establishment: A bioassay study. <i>Fungal Biology</i> , 2015, 119, 1137-1143.	2.5	8
16	Glyphosate treatments for weed control affect early stages of root colonization by <i>Tuber melanosporum</i> but not secondary colonization. <i>Mycorrhiza</i> , 2020, 30, 725-733.	2.8	8
17	Tree ring and water deficit indices as indicators of drought impact on black truffle production in Spain. <i>Forest Ecology and Management</i> , 2020, 475, 118438.	3.2	8
18	Application of Pressurized Liquid Extractions to Obtain Bioactive Compounds from <i>Tuber aestivum</i> and <i>Terfezia clavaryi</i> . <i>Foods</i> , 2022, 11, 298.	4.3	8

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19	Fertilisation of <i>Quercus</i> seedlings inoculated with <i>Tuber melanosporum</i> : effects on growth and mycorrhization of two host species and two inoculation methods. <i>IForest</i> , 2017, 10, 267-272.	1.4	7
20	Effect of Bacterial Strains Isolated from Stored Shiitake (<i>Lentinula edodes</i>) on Mushroom Biodeterioration and Mycelial Growth. <i>Agronomy</i> , 2020, 10, 898.	3.0	5
21	Lack of Linkages among Fruiting Depth, Weight, and Maturity in Irrigated Truffle Fungi Marks the Complexity of Relationships among Morphogenetic Stages. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 102.	3.5	4
22	Short-term dynamics of <i>Quercus ilex</i> advance regeneration in a <i>Pinus nigra</i> plantation after the creation of small canopy gaps. <i>Forest Systems</i> , 2013, 22, 179.	0.3	4
23	First report of <i>Pulvinula constellatio</i> in Spanish nurseries producing truffle seedlings. <i>Journal of Plant Pathology</i> , 2020, 102, 593-594.	1.2	2
24	Soil Moisture and Black Truffle Production Variability in the Iberian Peninsula. <i>Forests</i> , 2022, 13, 819.	2.1	2
25	Sex and tree rings: Females neither grow less nor are less water-use efficient than males in four dioecious tree species. <i>Dendrochronologia</i> , 2022, 73, 125944.	2.2	1
26	Biodeterioro microbiológico en shiitake (<i>Lentinula edodes</i>). , 2019, , .		0