Sergi Garcia-Barreda

List of Publications by Year
in descending order

26	346	933447 10	888059 17
papers	citations	h-index	g-index

27	27	27	326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of Pressurized Liquid Extractions to Obtain Bioactive Compounds from Tuber aestivum and Terfezia claveryi. Foods, 2022, 11, 298.	4.3	8
2	Sex and tree rings: Females neither grow less nor are less water-use efficient than males in four dioecious tree species. Dendrochronologia, 2022, 73, 125944.	2.2	1
3	Soil Moisture and Black Truffle Production Variability in the Iberian Peninsula. Forests, 2022, 13, 819.	2.1	2
4	Lack of Linkages among Fruiting Depth, Weight, and Maturity in Irrigated Truffle Fungi Marks the Complexity of Relationships among Morphogenetic Stages. Journal of Fungi (Basel, Switzerland), 2021, 7, 102.	3.5	4
5	Reproductive phenology determines the linkages between radial growth, fruit production and climate in four Mediterranean tree species. Agricultural and Forest Meteorology, 2021, 307, 108493.	4.8	10
6	Supercritical CO2 extraction method of aromatic compounds from truffles. LWT - Food Science and Technology, 2021, 150, 111954.	5.2	19
7	First report of Pulvinula constellatio in Spanish nurseries producing truffle seedlings. Journal of Plant Pathology, 2020, 102, 593-594.	1.2	2
8	Glyphosate treatments for weed control affect early stages of root colonization by Tuber melanosporum but not secondary colonization. Mycorrhiza, 2020, 30, 725-733.	2.8	8
9	Effects of gamma irradiation on the shelf-life and bioactive compounds of Tuber aestivum truffles packaged in passive modified atmosphere. International Journal of Food Microbiology, 2020, 332, 108774.	4.7	14
10	Tree ring and water deficit indices as indicators of drought impact on black truffle production in Spain. Forest Ecology and Management, 2020, 475, 118438.	3.2	8
11	Effect of Bacterial Strains Isolated from Stored Shiitake (Lentinula edodes) on Mushroom Biodeterioration and Mycelial Growth. Agronomy, 2020, 10, 898.	3.0	5
12	Multi-platform metabolomic approach to discriminate ripening markers of black truffles (Tuber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	8.2	24
13	Edaphic and temporal patterns of Tuber melanosporum fruitbody traits and effect of localised peat-based amendment. Scientific Reports, 2020, 10, 4422.	3.3	12
14	Variability and trends of black truffle production in Spain (1970-2017): Linkages to climate, host growth, and human factors. Agricultural and Forest Meteorology, 2020, 287, 107951.	4.8	14
15	Screening of bioactive compounds in truffles and evaluation of pressurized liquid extractions (PLE) to obtain fractions with biological activities. Food Research International, 2020, 132, 109054.	6.2	29
16	Agro-climatic zoning of Spanish forests naturally producing black truffle. Agricultural and Forest Meteorology, 2019, 269-270, 231-238.	4.8	19
17	Biodeterioro microbiolÃ³gico en shiitake (Lentinula edodes). , 2019, , .		0
18	Black Truffle Harvesting in Spanish Forests: Trends, Current Policies and Practices, and Implications on its Sustainability. Environmental Management, 2018, 61, 535-544.	2.7	10

#	Article	IF	Citations
19	Long-term soil alteration in historical charcoal hearths affects Tuber melanosporum mycorrhizal development and environmental conditions for fruiting. Mycorrhiza, 2017, 27, 603-609.	2.8	15
20	Fertilisation of Quercus seedlings inoculated with Tuber melanosporum: effects on growth and mycorrhization of two host species and two inoculation methods. IForest, 2017, 10, 267-272.	1.4	7
21	Reducing the infectivity and richness of ectomycorrhizal fungi in a calcareous Quercus ilex forest through soil preparations for truffle plantation establishment: A bioassay study. Fungal Biology, 2015, 119, 1137-1143.	2.5	8
22	Black truffle cultivation: a global reality. Forest Systems, 2014, 23, 317.	0.3	85
23	Response of Tuber melanosporum fruiting to canopy opening in a Pinus-Quercus forest. Ecological Engineering, 2013, 53, 54-60.	3.6	9
24	Cultivation of Tuber melanosporum in firebreaks: Short-term persistence of the fungus and effect of seedling age and soil treatment. Fungal Biology, 2013, 117, 783-790.	2.5	8
25	Short-term dynamics of Quercus ilex advance regeneration in a Pinus nigra plantation after the creation of small canopy gaps. Forest Systems, 2013, 22, 179.	0.3	4
26	Below-ground ectomycorrhizal community in natural Tuber melanosporum truffle grounds and dynamics after canopy opening. Mycorrhiza, 2012, 22, 361-369.	2.8	19