AsunciÃ³n Morte

List of Publications by Year
in descending order

77 papers	2,332 citations	218677 26 h-index	243625 44 g-index
82 all docs	82 docs citations	82 times ranked	2429 citing authors

#	Article	IF	Citations
1	Effect of drought stress on growth and water relations of the mycorrhizal association Helianthemum almeriense-Terfezia claveryi. Mycorrhiza, 2000, 10, 115-119.	2.8	142
2	Fungal Planet description sheets: 716â€“784. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2018, 40, 239-392.	4.4	142
3	Variations in water status, gas exchange, and growth in Rosmarinus officinalis plants infected with Glomus deserticola under drought conditions. Journal of Plant Physiology, 2004, 161, 675-682.	3.5	132
4	Fungal Planet description sheets: 558â€“624. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2017, 38, 240-384.	4.4	126
5	Fungal Planet description sheets: 951â€“1041. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2019, 43, 223-425.	4.4	126
6	Alleviation of salt stress in citrus seedlings inoculated with arbuscular mycorrhizal fungi depends on the rootstock salt tolerance. Journal of Plant Physiology, 2014, 171, 76-85.	3.5	104
7	Fungal Planet description sheets: 1042â€“1111. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2020, 44, 301-459.	4.4	91
8	Morphological characterization of the mycorrhiza formed by Helianthemum almeriense Pau with Terfezia claveryi Chatin and Picoa lefebvrei (Pat.) Maire. Mycorrhiza, 2003, 13, 299-307.	2.8	81
9	Significance of oxygen transport through aquaporins. Scientific Reports, 2017, 7, 40411.	3.3	76
10	Responses of tomato plants associated with the arbuscular mycorrhizal fungus Glomus clarum during drought and recovery. Journal of Agricultural Science, 2002, 138, 387-393.	1.3	65
11	Effects of nursery preconditioning through mycorrhizal inoculation and drought in Arbutus unedo L. plants. Mycorrhiza, 2011, 21, 53-64.	2.8	60
12	Growth and Water Relations in Mycorrhizal and Nonmycorrhizal Pinus Halepensis Plants in Response to Drought. Biologia Plantarum, 2001, 44, 263-267.	1.9	55
13	proximate composition and fatty acids. Journal of the Science of Food and Agriculture, 2003, 83, 535-541.	3.5	51
14	Cleavage of sucrose in roots of soybean (Glycine max) colonized by an arbuscular mycorrhizal fungus. New Phytologist, 2004, 161, 495-501.	7.3	51
15	Expression Analysis of Aquaporins from Desert Truffle Mycorrhizal Symbiosis Reveals a Fine-Tuned Regulation Under Drought. Molecular Plant-Microbe Interactions, 2013, 26, 1068-1078.	2.6	48
16	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. IMA Fungus, 2018, 9, 167-175.	3.8	45
17	Partial Purification, Characterization, and Histochemical Localization of Fully Latent Desert Truffle (Terfezia ClaveryiChatin) Polyphenol Oxidase. Journal of Agricultural and Food Chemistry, 2001, 49, 1922-1927.	5.2	40
18	Autofluorescence detection of arbuscular mycorrhizal fungal structures in palm roots: an underestimated experimental method. Mycological Research, 2006, 110, 887-897.	2.5	40

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19	Fungal Planet description sheets: 1182â€“1283. Persoonia: Molecular Phylogeny and Evolution of Fungi, 2021, , .	4.4	40
20	Effects of high vineyard temperatures on the grapevine leafroll associated virus elimination from Vitis vinifera L. cv. Napoleon tissue cultures. Scientia Horticulturae, 2003, 97, 289-296.	3.6	37
21	Physiological parameters of desert truffle mycorrhizal Helianthemun almeriense plants cultivated in orchards under water deficit conditions. Symbiosis, 2010, 52, 133-139.	2.3	37
22	Effect of water stress on in vitro mycelium cultures of two mycorrhizal desert truffles. Mycorrhiza, 2011, 21, 247-253.	2.8	33
23	The Aquaporin <i>TcAQP1</i> of the Desert Truffle <i>Terfezia claveryi</i> Is a Membrane Pore for Water and CO₂ Transport. Molecular Plant-Microbe Interactions, 2012, 25, 259-266.	2.6	33
24	The role of phosphorus in the ectendomycorrhiza continuum of desert truffle mycorrhizal plants. Mycorrhiza, 2012, 22, 565-575.	2.8	33
25	RÃ©ponses physiologiques et biochimiques du trÃ¨fle (Trifolium alexandrinum L.) Ã la double association Mycorhizes-Rhizobium sous une contrainte saline. Agronomy for Sustainable Development, 2003, 23, 571-580.	0.8	32
26	Beneficial native bacteria improve survival and mycorrhization of desert truffle mycorrhizal plants in nursery conditions. Mycorrhiza, 2016, 26, 769-779.	2.8	29
27	The influence of mycorrhizal inoculation and paclobutrazol on water and nutritional status of Arbutus unedo L.. Environmental and Experimental Botany, 2009, 66, 362-371.	4.2	28
28	Comparative study of mycorrhizal susceptibility and anatomy of four palm species. Mycorrhiza, 2010, 20, 103-115.	2.8	28
29	Desert Truffle Cultivation in Semiarid Mediterranean Areas. , 2009, , 221-233.		26
30	Five new <I>Terfezia</I> species from the Iberian Peninsula. Mycotaxon, 2013, 124, 189-208.	0.3	26
31	Hypogeous fungi in Mediterranean maquis, arid and semi-arid forests. Plant Biosystems, 2014, 148, 392-401.	1.6	24
32	In vitro propagation of Helianthemum almeriense Pau (Cistaceae). Agronomy for Sustainable Development, 1992, 12, 807-809.	0.8	21
33	Terfezia Cultivation in Arid and Semiarid Soils. Soil Biology, 2012, , 241-263.	0.8	20
34	Two new Terfezia species from Southern Europe. Phytotaxa, 2015, 230, 239.	0.3	19
35	Desert truffle genomes reveal their reproductive modes and new insights into plantâ€“fungal interaction and ectendomycorrhizal lifestyle. New Phytologist, 2021, 229, 2917-2932.	7.3	19
36	Supercritical CO2 extraction method of aromatic compounds from truffles. LWT - Food Science and Technology, 2021, 150, 111954.	5.2	19

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37	Kinetic Properties of Lipoxygenase from Desert Truffle (Terfezia claveryiChatin) Ascocarps:Â Effect of Inhibitors and Activators. Journal of Agricultural and Food Chemistry, 2005, 53, 6140-6145.	5.2	18
38	Ultrastructural localization of acid phosphatase in arbusculate coils of mycorrhizal Phoenix canariensis roots. Physiologia Plantarum, 2008, 132, 503-513.	5.2	15
39	Domestication: Preparation of Mycorrhizal Seedlings. Soil Biology, 2014, , 343-365.	0.8	15
40	In vitro adventitious organogenesis and histological characterization from mature nodal explants of Citrus limon. In Vitro Cellular and Developmental Biology - Plant, 2016, 52, 161-173.	2.1	15
41	Histochemical and biochemical evidences of the reversibility of tyrosinase activation by SDS. Plant Science, 2004, 166, 365-370.	3.6	14
42	Basic and Applied Research for Desert Truffle Cultivation. , 2017, , 23-42.		14
43	Effet du stress salin en milieu hydroponique sur le trÃ¨fle inoculÃ© par le Rhizobium. Agronomy for Sustainable Development, 2003, 23, 553-560.	0.8	14
44	Monophenolase activity of latentTerfezia claveryityrosinase: Characterization and histochemical localization. Physiologia Plantarum, 2001, 113, 203-209.	5.2	13
45	The crop of desert truffle depends on agroclimatic parameters during two key annual periods. Agronomy for Sustainable Development, 2019, 39, 1.	5.3	13
46	Effect of arbuscular mycorrhizal inoculation on micropropagated Tetraclinis articulata growth and survival. Agronomy for Sustainable Development, 1996, 16, 633-637.	0.8	13
47	Mycelium of Terfezia claveryi as inoculum source to produce desert truffle mycorrhizal plants. Mycorrhiza, 2018, 28, 691-701.	2.8	12
48	Partial purification, characterisation and histochemical localisation of alkaline phosphatase from ascocarps of the edible desert truffleTerfezia claveryiChatin. Plant Biology, 2009, 11, 678-685.	3.8	11
49	Characterization and Histochemical Localization of Nonspecific Esterase from Ascocarps of Desert Truffle (Terfezia claveryiChatin). Journal of Agricultural and Food Chemistry, 2005, 53, 5754-5759.	5.2	10
50	Mycorrhizal effectiveness in Citrus macrophylla at low phosphorus fertilization. Journal of Plant Physiology, 2019, 232, 301-310.	3.5	10
51	Spring stomatal response to vapor pressure deficit as a marker for desert truffle fruiting. Mycorrhiza, 2020, 30, 503-512.	2.8	10
52	Use of gentian violet to differentiate in vitro and ex vitro-formed roots during acclimatization of grapevine. Plant Cell, Tissue and Organ Culture, 1995, 41, 187-188.	2.3	9
53	Mycelium growth stimulation of the desert truffle <i>Terfezia claveryi</i> chatin by Î²â€cyclodextrin. Biotechnology Progress, 2013, 29, 1558-1564.	2.6	9
54	How Root Structure Defines the Arbuscular Mycorrhizal Symbiosis and What We Can Learn from It?. Soil Biology, 2014, , 145-169.	0.8	9

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55	Different patterns in root and soil fungal diversity drive plant productivity of the desert truffle <i>Terfezia claveryi</i> in plantation. Environmental Microbiology, 2021, 23, 5917-5933.	3.8	9
56	Preparation and Maintenance of Both Man-Planted and Wild Plots. Soil Biology, 2014, , 367-387.	0.8	9
57	PARTIAL PURIFICATION AND CHARACTERIZATION OF A CALCIUMâ€DEPENDENT ALKALINE PHOSPHATASE FROM THE CYANOBACTERIUM <i>ARTHROSPIRA PLATENSIS</i>â€Š¹. Journal of Phycology, 2012, 48, 347-354.	2.3	8
58	Purification and characterization of Terfezia claveryi TcCAT-1, a desert truffle catalase upregulated in mycorrhizal symbiosis. PLoS ONE, 2019, 14, e0219300.	2.5	8
59	Application of Pressurized Liquid Extractions to Obtain Bioactive Compounds from Tuber aestivum and Terfezia claveryi. Foods, 2022, 11, 298.	4.3	8
60	Micropropagation of Tetraclinis articulata (Vahl) Masters (Cupressaceae). Plant Cell, Tissue and Organ Culture, 1992, 28, 231-233.	2.3	7
61	Cultivation of Desert Trufflesâ€"A Crop Suitable for Arid and Semi-Arid Zones. Agronomy, 2021, 11, 1462.	3.0	7
62	Development of mycorrhizal infection in in vitro-and in vivo-formed roots of woody fruit plants. Agronomy for Sustainable Development, 1996, 16, 621-624.	0.8	7
63	Terfezia lusitanica, a new mycorrhizal species associated to Tuberaria guttata (Cistaceae). Phytotaxa, 2018, 357, 141.	0.3	6
64	Elevated atmospheric CO 2 modifies responses to waterâ€stress and flowering of Mediterranean desert truffle mycorrhizal shrubs. Physiologia Plantarum, 2020, 170, 537-549.	5.2	6
65	Advances in Desert Truffle Mycorrhization and Cultivation. , 2020, , 205-219.		6
66	Use of the Autofluorescence Properties of AM Fungi for AM Assessment and Handling. Soil Biology, 2009, , 123-140.	0.8	6
67	Peroxidase changes in Phoenix dactylifera palms inoculated with mycorrhizal and biocontrol fungi. Agronomy for Sustainable Development, 2008, 28, 411-418.	5.3	4
68	Identification of an Alternative rRNA Post-transcriptional Maturation of 26S rRNA in the Kingdom Fungi. Frontiers in Microbiology, 2018, 9, 994.	3.5	4
69	Desert truffle mycorrhizosphere harbors organic acid releasing plant growthâ€œpromoting rhizobacteria, essentially during the truffle fruiting season. Mycorrhiza, 2022, 32, 193.	2.8	4
70	Typification of Terfezia fanfani (Ascomycota, Pezizaceae). Phytotaxa, 2019, 387, 73.	0.3	2
71	Enzymes in Terfezia claveryi Ascocarps. Soil Biology, 2014, , 243-260.	0.8	2
72	PHYSIOLOGICAL RESPONSE OF CITRUS MACROPHYLLA INOCULATED WITH ARBUSCULAR MYCORRHIZAL FUNGI UNDER SALT STRESS. Acta Horticulturae, 2015, , 1351-1358.	0.2	1

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73	Solving the identity of Terfezia trappei (Pezizaceae, Ascomycota). Phytotaxa, 2019, 411, 230-236.	0.3	1
74	The first comprehensive phylogenetic and biochemical analysis of NADH diphosphatases reveals that the enzyme from Tuber melanosporum is highly active towards NAD+. Scientific Reports, 2019, 9, 16753.	3.3	1
75	Desert Truffles (Terfezia spp.) Breeding. , 2021, , 479-504.		1
76	ARBUSCULAR MYCORRHIZAL FUNGI INFLUENCE THE RESPONSE OF CITRUS ROOTSTOCK SEEDLINGS TO SALINITY. Acta Horticulturae, 2011, , 245-252.	0.2	0
77	CHARACTERIZATION OF THE ARUM-TYPE MYCORRHIZA IN CITRUS MACROPHYLLA WESTER ROOTSTOCK UNDER SALT STRESS. Acta Horticulturae, 2015, , 1343-1350.	0.2	0