Rosario AzcÃ³n

List of Publications by Year
in descending order

139 papers	13,403 citations	22132 59 h-index	23514 111 g-index
142 all docs	142 docs citations	142 times ranked	8095 citing authors

#	Article	IF	Citations
1	Microbial co-operation in the rhizosphere. Journal of Experimental Botany, 2005, 56, 1761-1778.	2.4	935
2	Unraveling mycorrhiza-induced resistance. Current Opinion in Plant Biology, 2007, 10, 393-398.	3.5	919
3	Arbuscular mycorrhizas and biological control of soil-borne plant pathogens - an overview of the mechanisms involved. Mycorrhiza, 1997, 6, 457-464.	1.3	567
4	Management of Indigenous Plant-Microbe Symbioses Aids Restoration of Desertified Ecosystems. Applied and Environmental Microbiology, 2001, 67, 495-498.	1.4	431
5	Localized versus systemic effect of arbuscular mycorrhizal fungi on defence responses to Phytophthora infection in tomato plants. Journal of Experimental Botany, 2002, 53, 525-534.	2.4	383
6	Mycorrhizosphere interactions to improve plant fitness and soil quality. Antonie Van Leeuwenhoek, 2002, 81, 343-351.	0.7	355
7	Stimulation of Plant Growth and Drought Tolerance by Native Microorganisms (AM Fungi and) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Growth Regulation, 2009, 28, 115-124.	2.8	354
8	Phytohormones as integrators of environmental signals in the regulation of mycorrhizal symbioses. New Phytologist, 2015, 205, 1431-1436.	3.5	331
9	Interactions between arbuscular mycorrhizal fungi and other microbial inoculants (Azospirillum,) Tj ETQq1 1 0.784314 rgBT /Overlock rhizosphere of maize plants. Applied Soil Ecology, 2000, 15, 261-272.	2.1	314
10	The transcriptome of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. New Phytologist, 2012, 193, 755-769.	3.5	305
11	Diversity of Arbuscular Mycorrhizal Fungus Populations in Heavy-Metal-Contaminated Soils. Applied and Environmental Microbiology, 1999, 65, 718-723.	1.4	280
12	Hormonal and transcriptional profiles highlight common and differential host responses to arbuscular mycorrhizal fungi and the regulation of the oxylipin pathway. Journal of Experimental Botany, 2010, 61, 2589-2601.	2.4	238
13	Applying mycorrhiza biotechnology to horticulture: significance and potentials. Scientia Horticulturae, 1997, 68, 1-24.	1.7	228
14	Nitrate depletion and pH changes induced by the extraradical mycelium of the arbuscular mycorrhizal fungus Glomus intraradices grown in monoxenic culture. New Phytologist, 1996, 133, 273-280.	3.5	205
15	Mycorrhizas and their Significance in Nodulating Nitrogen-Fixing Plants. Advances in Agronomy, 1983, , 1-54.	2.4	188
16	Influence of arbuscular mycorrhizae on heavy metal (Zn and Pb) uptake and growth of Lygeum spartum and Anthyllis cytisoides. Plant and Soil, 1996, 180, 241-249.	1.8	186
17	Azospirillum and arbuscular mycorrhizal colonization enhance rice growth and physiological traits under well-watered and drought conditions. Journal of Plant Physiology, 2011, 168, 1031-1037.	1.6	181
18	GintAMT1 encodes a functional high-affinity ammonium transporter that is expressed in the extraradical mycelium of Glomus intraradices. Fungal Genetics and Biology, 2006, 43, 102-110.	0.9	175

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19	Ecological and functional roles of mycorrhizas in semi-arid ecosystems of Southeast Spain. Journal of Arid Environments, 2011, 75, 1292-1301.	1.2	175
20	Characterization of a Glomus intraradices gene encoding a putative Zn transporter of the cation diffusion facilitator family. Fungal Genetics and Biology, 2005, 42, 130-140.	0.9	172
21	Branched absorbing structures (BAS): a feature of the extraradical mycelium of symbiotic arbuscular mycorrhizal fungi. New Phytologist, 1998, 139, 375-388.	3.5	166
22	Ultrastructural localization of heavy metals in the extraradical mycelium and spores of the arbuscular mycorrhizal fungus<i>Glomus intraradices</i>. Canadian Journal of Microbiology, 2008, 54, 103-110.	0.8	158
23	Differential Activity of Autochthonous Bacteria in Controlling Drought Stress in Native Lavandula and Salvia Plants Species Under Drought Conditions in Natural Arid Soil. Microbial Ecology, 2014, 67, 410-420.	1.4	153
24	Arbuscular mycorrhizal symbiosis can alleviate drought-induced nodule senescence in soybean plants. New Phytologist, 2001, 151, 493-502.	3.5	151
25	Î²-1,3-Glucanase activities in tomato roots inoculated with arbuscular mycorrhizal fungi and/or Phytophthora parasitica and their possible involvement in bioprotection. Plant Science, 1999, 141, 149-157.	1.7	145
26	GintAMT2, a new member of the ammonium transporter family in the arbuscular mycorrhizal fungus Glomus intraradices. Fungal Genetics and Biology, 2011, 48, 1044-1055.	0.9	143
27	VESICULARâ€ARBUSCULAR MYCORRHIZA IMPROVE BOTH SYMBIOTIC N 2 FIXATION AND N UPTAKE FROM SOIL AS ASSESSED WITH A 15 N TECHNIQUE UNDER FIELD CONDITIONS. New Phytologist, 1987, 106, 717-725.	3.5	134
28	Analysis of the mycorrhizal potential in the rhizosphere of representative plant species from desertification-threatened Mediterranean shrublands. Applied Soil Ecology, 2003, 22, 29-37.	2.1	134
29	Production of Plant Growth-Regulating Substances by the Vesicular-Arbuscular Mycorrhizal Fungus <i>Glomus mosseae</i>. Applied and Environmental Microbiology, 1982, 43, 810-813.	1.4	132
30	Review: Arbuscular mycorrhizas as key players in sustainable plant phosphorus acquisition: An overview on the mechanisms involved. Plant Science, 2019, 280, 441-447.	1.7	124
31	Assessing the tolerance to heavy metals of arbuscular mycorrhizal fungi isolated from sewage sludge-contaminated soils. Applied Soil Ecology, 1999, 11, 261-269.	2.1	120
32	Genome-wide analysis of copper, iron and zinc transporters in the arbuscular mycorrhizal fungus Rhizophagus irregularis. Frontiers in Plant Science, 2014, 5, 547.	1.7	120
33	The composition of arbuscular mycorrhizal fungal communities differs among the roots, spores and extraradical mycelia associated with five Mediterranean plant species. Environmental Microbiology, 2015, 17, 2882-2895.	1.8	117
34	Temperature constraints on the growth and functioning of root organ cultures with arbuscular mycorrhizal fungi. New Phytologist, 2005, 168, 179-188.	3.5	112
35	Competition between three species of Glomus used as spatially separated introduced and indigenous mycorrhizal inocula for leek (Allium porrum L.). New Phytologist, 1988, 110, 207-215.	3.5	111
36	Copper compartmentalization in spores as a survival strategy of arbuscular mycorrhizal fungi in Cu-polluted environments. Soil Biology and Biochemistry, 2013, 57, 925-928.	4.2	110

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37	Root metabolic plasticity underlies functional diversity in mycorrhizaâ€enhanced stress tolerance in tomato. New Phytologist, 2018, 220, 1322-1336.	3.5	107
38	EFFECTS OF PLANT HORMONES PRESENT IN BACTERIAL CULTURES ON THE FORMATION AND RESPONSES TO VA ENDOMYCORRHIZA. New Phytologist, 1978, 80, 359-364.	3.5	101
39	Synthesis of auxins, gibberellins and cytokinins byAzotobacter vinelandii andAzotobacter beijerinckii related to effects produced on tomato plants. Plant and Soil, 1975, 43, 609-619.	1.8	98
40	GintMT1 encodes a functional metallothionein in Glomus intraradices that responds to oxidative stress. Mycorrhiza, 2007, 17, 327-335.	1.3	98
41	Survival strategies of arbuscular mycorrhizal fungi in Cu-polluted environments. Phytochemistry Reviews, 2009, 8, 551-559.	3.1	89
42	Impact of Arbuscular Mycorrhizal Symbiosis on Plant Response to Biotic Stress: The Role of Plant Defence Mechanisms. , 2010, , 193-207.		89
43	Growth promoting effect of two Sinorhizobium meliloti strains (a wild type and its genetically) Tj ETQq1 1 0.784314 rgBT /Overlock 10 mycorrhizal fungi. Plant Science, 2000, 159, 57-63.	1.7	87
44	Alleviation of Cu toxicity in Oenothera picensis by copper-adapted arbuscular mycorrhizal fungi and treated agrowaste residue. Applied Soil Ecology, 2011, 48, 117-124.	2.1	84
45	Effect of soil micro-organisms on spore germination and growth of the vesicular-arbuscular mycorrhizal fungus Glomus mosseae. Transactions of the British Mycological Society, 1986, 86, 337-340.	0.6	83
46	Analysing arbuscular mycorrhizal fungal diversity in shrub-associated resource islands from a desertification-threatened semiarid Mediterranean ecosystem. Applied Soil Ecology, 2004, 25, 123-133.	2.1	83
47	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	0.9	78
48	Protection of olive planting stocks against parasitism of root-knot nematodes by arbuscular mycorrhizal fungi. Plant Pathology, 2006, 55, 705-713.	1.2	76
49	GintABC1 encodes a putative ABC transporter of the MRP subfamily induced by Cu, Cd, and oxidative stress in Glomus intraradices. Mycorrhiza, 2010, 20, 137-146.	1.3	76
50	Differential Effects of a Bacillus megaterium Strain on Lactuca sativa Plant Growth Depending on the Origin of the Arbuscular Mycorrhizal Fungus Coinoculated: Physiologic and Biochemical Traits. Journal of Plant Growth Regulation, 2008, 27, 10-18.	2.8	75
51	Analysing natural diversity of arbuscular mycorrhizal fungi in olive tree (Olea europaea L.) plantations and assessment of the effectiveness of native fungal isolates as inoculants for commercial cultivars of olive plantlets. Applied Soil Ecology, 2004, 26, 11-19.	2.1	74
52	Characterization of a CuZn superoxide dismutase gene in the arbuscular mycorrhizal fungus Glomus intraradices. Current Genetics, 2010, 56, 265-274.	0.8	73
53	The plasma membrane H + -ATPase gene family in the arbuscular mycorrhizal fungus Glomus mosseae. Current Genetics, 2000, 37, 112-118.	0.8	72
54	Temporal temperature gradient gel electrophoresis (TTGE) as a tool for the characterization of arbuscular mycorrhizal fungi. FEMS Microbiology Letters, 2004, 241, 265-270.	0.7	72

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55	GintGRX1, the first characterized glomeromycotan glutaredoxin, is a multifunctional enzyme that responds to oxidative stress. Fungal Genetics and Biology, 2009, 46, 94-103.	0.9	72
56	Microbial inoculants and organic amendment improves plant establishment and soil rehabilitation under semiarid conditions. Journal of Environmental Management, 2014, 134, 1-7.	3.8	69
57	Effects of introduced and indigenous VA mycorrhizal fungi on nodulation, growth and nutrition ofMedicago sativa in phosphate-fixing soils as affected by P fertilizers. Plant and Soil, 1980, 54, 283-296.	1.8	68
58	Transcriptional regulation of host transporters and GS/GOGAT pathway in arbuscular mycorrhizal rice roots. Plant Physiology and Biochemistry, 2014, 75, 1-8.	2.8	68
59	Architecture and Developmental Dynamics of the External Mycelium of the Arbuscular Mycorrhizal Fungus Glomus intraradices Grown under Monoxenic Conditions. Mycologia, 1998, 90, 52.	0.8	66
60	Interactions between Glomus species and Rhizobium strains affect the nutritional physiology of drought-stressed legume hosts. Journal of Plant Physiology, 2010, 167, 614-619.	1.6	66
61	Effect of vesicular-arbuscular mycorrhizal fungi and phosphate-solubilizing bacteria on growth and nutrition of soybean in a neutral-calcareous soil amended with32P-45Ca-tricalcium phosphate. Plant and Soil, 1986, 96, 3-15.	1.8	60
62	Effects of different arbuscular mycorrhizal fungal backgrounds and soils on olive plants growth and water relation properties under wellâ€watered and drought conditions. Plant, Cell and Environment, 2016, 39, 2498-2514.	2.8	59
63	Priming Plant Defence Against Pathogens by Arbuscular Mycorrhizal Fungi. , 2009, , 123-135.		58
64	<i>Otospora bareai</i>, a new fungal species in the Glomeromycetes from a dolomitic shrub land in Sierra de Baza National Park (Granada, Spain). Mycologia, 2008, 100, 296-305.	0.8	57
65	Variation in certain isozymes amongst different geographical isolates of the vesicular-arbuscular mycorrhizal fungi Glomus clarum, Glomus monosporum and Glomus mosseae. Soil Biology and Biochemistry, 1988, 20, 51-59.	4.2	55
66	Plant traits determine the phylogenetic structure of arbuscular mycorrhizal fungal communities. Molecular Ecology, 2017, 26, 6948-6959.	2.0	55
67	21 Vesicular-arbuscular Mycorrhizal Fungi in Nitrogen-fixing Systems. Methods in Microbiology, 1992, 24, 391-416.	0.4	54
68	Changes in the rhizospheric pH induced by arbuscular mycorrhiza formation in onion (Allium cepa L.). Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1997, 160, 333-339.	0.4	54
69	Effect of soil micro-organisms on formation of vesicular-arbuscular mycorrhizas. Transactions of the British Mycological Society, 1985, 84, 536-537.	0.6	53
70	<i>GintPDX1</i> encodes a protein involved in vitamin B6 biosynthesis that is upâ€regulated by oxidative stress in the arbuscular mycorrhizal fungus <i>Glomus intraradices</i>. New Phytologist, 2009, 184, 682-693.	3.5	53
71	Induction of new chitinase isoforms in tomato roots during interactions with Glomus mosseae and/or Phytophthora nicotianae var parasitica. Agronomy for Sustainable Development, 1996, 16, 689-697.	0.8	53
72	Interactive effect between Cuâ€adapted arbuscular mycorrhizal fungi and biotreated agrowaste residue to improve the nutritional status of <i>Oenothera picensis</i> growing in Cuâ€polluted soils. Journal of Plant Nutrition and Soil Science, 2015, 178, 126-135.	1.1	52

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73	Differential morphogenesis of the extraradical mycelium of an arbuscular mycorrhizal fungus grown monoxenically on spatially heterogeneous culture media. Mycologia, 2004, 96, 452-462.	0.8	50
74	The growth-enhancement of clover by Aspergillus-treated sugar beet waste and Glomus mosseae inoculation in Zn contaminated soil. Applied Soil Ecology, 2006, 33, 87-98.	2.1	49
75	Arbuscular mycorrhizal symbiosis regulates plasma membrane H+-ATPase gene expression in tomato plants. Journal of Experimental Botany, 2002, 53, 1683-1687.	2.4	48
76	Influence of two bacterial isolates from degraded and non-degraded soils and arbuscular mycorrhizae fungi isolated from semi-arid zone on the growth of Trifolium repens under drought conditions: Mechanisms related to bacterial effectiveness. European Journal of Soil Biology, 2011, 47, 303-309.	1.4	48
77	The interactions between plant life form and fungal traits of arbuscular mycorrhizal fungi determine the symbiotic community. Oecologia, 2014, 176, 1075-1086.	0.9	48
78	The arbuscular mycorrhizal fungus Rhizophagus irregularis differentially regulates the copper response of two maize cultivars differing in copper tolerance. Plant Science, 2016, 253, 68-76.	1.7	44
79	Field inoculation of Medicago with V-A mycorrhiza and Rhizobium in phosphate-fixing agricultural soil. Soil Biology and Biochemistry, 1981, 13, 19-22.	4.2	43
80	Importance of native arbuscular mycorrhizal inoculation in the halophyte Asteriscus maritimus for successful establishment and growth under saline conditions. Plant and Soil, 2013, 370, 175-185.	1.8	43
81	Time-course of N2-fixation (15N) in the field by clover growing alone or in mixture with ryegrass to improve pasture productivity, and inoculated with vesicular-arbuscular mycorrhizal fungi. New Phytologist, 1989, 112, 399-404.	3.5	42
82	Further studies on the influence of mycorrhizae on growth and development of micropropagated avocado plants. Agronomy for Sustainable Development, 1992, 12, 837-840.	0.8	41
83	<i>Entrophospora nevadensis</i>, a new arbuscular mycorrhizal fungus from Sierra Nevada National Park (southeastern Spain). Mycologia, 2010, 102, 624-632.	0.8	38
84	Mechanisms of nutrient transport across interfaces in arbuscular mycorrhizas. Plant and Soil, 2002, 244, 231-237.	1.8	37
85	Photosynthetic and Transpiration Rates of Olea europaea subsp. sylvestris and Rhamnus lycioides as Affected by Water Deficit and Mycorrhiza. Biologia Plantarum, 2003, 46, 637-639.	1.9	37
86	Mechanisms Underlying Heavy Metal Tolerance in Arbuscular Mycorrhizas. , 2009, , 107-122.		37
87	Differences in the composition of arbuscular mycorrhizal fungal communities promoted by different propagule forms from a Mediterranean shrubland. Mycorrhiza, 2016, 26, 489-496.	1.3	37
88	Transcriptional regulation of host enzymes involved in the cleavage of sucrose during arbuscular mycorrhizal symbiosis. Physiologia Plantarum, 2007, 129, 737-746.	2.6	36
89	Effect of a genetically modified Rhizobium meliloti inoculant on the development of arbuscular mycorrhizas, root morphology, nutrient uptake and biomass accumulation in Medicago sativa. New Phytologist, 1996, 134, 361-369.	3.5	35
90	Plant and soil responses to mycorrhizal fungi and rhizobacteria in nodulated or nitrate-fertilized peas (Pisum sativum L.). Biology and Fertility of Soils, 1997, 24, 164-168.	2.3	34

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91	Expression of a tomato sugar transporter is increased in leaves of mycorrhizal or Phytophthora parasitica-infected plants. Mycorrhiza, 2005, 15, 489-496.	1.3	33
92	Mycorrhizosphere Interactions for Legume Improvement. , 2010, , 237-271.		32
93	Effects of ethrel on the formation and responses to VA mycorrhiza in Medicago and Triticum. Plant and Soil, 1981, 60, 461-468.	1.8	31
94	Otospora bareai, a new fungal species in the Glomeromycetes from a dolomitic shrub land in Sierra de Baza National Park (Granada, Spain). Mycologia, 2008, 100, 296-305.	0.8	31
95	Quantification of three vesicular-arbuscular mycorrhizal fungi (Glomus spp) in roots of leek (Allium) Tj ETQq1 1 0.784314 rgBT /Overlo Biology and Biochemistry, 1989, 21, 519-522.	4.2	29
96	Beneficial effect of arbuscular mycorrhizas on acclimatization of micropropagated cassava plantlets. Scientia Horticulturae, 1997, 72, 63-71.	1.7	29
97	Effect of Mycorrhizal Inoculation on Nutrient Acquisition, Gas Exchange, and Nitrate Reductase Activity of Two Mediterranean-Autochthonous Shrub Species Under Drought Stress. Journal of Plant Nutrition, 2004, 27, 57-74.	0.9	29
98	Spring to autumn changes in the arbuscular mycorrhizal fungal community composition in the different propagule types associated to a Mediterranean shrubland. Plant and Soil, 2016, 408, 107-120.	1.8	29
99	Arbuscular mycorrhizal inoculation enhances plant growth and changes root system morphology in micropropagated Annona cherimola Mill. Agronomy for Sustainable Development, 1996, 16, 647-652.	0.8	29
100	Alteration in Rhizosphere Soil Properties of Afforested Rhamnus lycioides Seedlings in Short-Term Response to Mycorrhizal Inoculation with Glomus intraradices and Organic Amendment. Environmental Management, 2003, 31, 412-420.	1.2	28
101	Differential Morphogenesis of the Extraradical Mycelium of an Arbuscular Mycorrhizal Fungus Grown Monoxenically on Spatially Heterogeneous Culture Media. Mycologia, 2004, 96, 452.	0.8	28
102	Effect of Arbuscular Mycorrhizal Colonization on Cadmium-Mediated Oxidative Stress in Glycine max (L.) Merr.. Plants, 2020, 9, 108.	1.6	28
103	Root Allies: Arbuscular Mycorrhizal Fungi Help Plants to Cope with Biotic Stresses. Soil Biology, 2013, , 289-307.	0.6	28
104	Temperature stress in arbuscular mycorrhizal fungi: a test for adaptation to soil temperature in three isolates of Funneliformis mosseae from different climates. Agricultural and Food Science, 2012, 21, 2-11.	0.3	28
105	Impact of a genetically modified Rhizobium strain with improved nodulation competitiveness on the early stages of arbuscular mycorrhiza formation. Applied Soil Ecology, 1996, 4, 15-21.	2.1	27
106	Ancient lineages of arbuscular mycorrhizal fungi provide little plant benefit. Mycorrhiza, 2021, 31, 559-576.	1.3	27
107	Soluble and membrane symbiosis-related polypeptides associated with the development of arbuscular mycorrhizas in tomato (Lycopersicon esculentum). New Phytologist, 1998, 140, 135-143.	3.5	26
108	Effects of dual inoculation of mycorrhiza and endophytic, rhizospheric or parasitic bacteria on the root-knot nematode disease of tomato. Biocontrol Science and Technology, 2014, 24, 1122-1136.	0.5	26

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109	Medium-term effects of mycorrhizal inoculation and composted municipal waste addition on the establishment of two Mediterranean shrub species under semiarid field conditions. Agriculture, Ecosystems and Environment, 2003, 97, 95-105.	2.5	25
110	Effects of mycorrhizal inoculation of shrubs from Mediterranean ecosystems and composted residue application on transplant performance and mycorrhizal developments in a desertified soil. Biology and Fertility of Soils, 2002, 36, 170-175.	2.3	24
111	Symbiotic association between golden berry (Physalis peruviana) and arbuscular mycorrhizal fungi in heavy metal-contaminated soil. Journal of Plant Protection Research, 2017, 57, 173-184.	1.0	24
112	Alterations in the plasma membrane polypeptide pattern of tomato roots (Lycopersicon esculentum) during the development of arbuscular mycorrhiza. Journal of Experimental Botany, 2000, 51, 747-754.	2.4	23
113	Arbuscular-Mycorrhizal Contributes to Alleviation of Salt Damage in Cassava Clones. Journal of Plant Nutrition, 2008, 31, 959-971.	0.9	22
114	Mycorrhiza-Induced Resistance against Foliar Pathogens Is Uncoupled of Nutritional Effects under Different Light Intensities. Journal of Fungi (Basel, Switzerland), 2021, 7, 402.	1.5	21
115	ATPase activities of root microsomes from mycorrhizal sunflower (Helianthus annuus) and onion () Tj ETQq1 1 0.784314 rgBT /Overlo	3.5	20
116	Life-history strategies of arbuscular mycorrhizal fungi determine succession into roots of Rosmarinus officinalis L., a characteristic woody perennial plant species from Mediterranean ecosystems. Plant and Soil, 2014, 379, 247-260.	1.8	20
117	The Role of Relict Vegetation in Maintaining Physical, Chemical, and Biological Properties in an Abandoned Stipa -Grass Agroecosystem. Arid Land Research and Management, 2003, 17, 103-111.	0.6	19
118	The application of a treated sugar beet waste residue to soil modifies the responses of mycorrhizal and non mycorrhizal lettuce plants to drought stress. Plant and Soil, 2011, 346, 153-166.	1.8	19
119	Acaulospora pustulata and Acaulospora tortuosa , two new species in the Glomeromycota from Sierra Nevada National Park (southern Spain). Nova Hedwigia, 2013, 97, 305-319.	0.2	19
120	Functional diversity of ectomycorrhizal fungal communities is reduced by trace element contamination. Soil Biology and Biochemistry, 2018, 121, 202-211.	4.2	17
121	Chitosanase and chitinase activities in tomato roots during interactions with arbuscular mycorrhizal fungi or Phytophthora parasitica. Journal of Experimental Botany, 1998, 49, 1729-1739.	2.4	17
122	Identification of a cDNA from the Arbuscular Mycorrhizal Fungus Glomus intraradices that is Expressed During Mycorrhizal Symbiosis and Up-Regulated by N Fertilization. Molecular Plant-Microbe Interactions, 2002, 15, 360-367.	1.4	14
123	Septoglomus altomontanum, a new arbuscular mycorrhizal fungus from mountainous and alpine areas in AndalucÃa (southern Spain). IMA Fungus, 2013, 4, 243-249.	1.7	14
124	Effectiveness of Rhizobium and VA Mycorrhiza in the introduction of Hedysarum coronarium in a new habitat. Agriculture and Environment, 1982, 7, 199-206.	0.5	13
125	Characterization and management of autochthonous bacterial strains from semiarid soils of Spain and their interactions with fermented agrowastes to improve drought tolerance in native shrub species. Applied Soil Ecology, 2015, 96, 306-318.	2.1	13
126	Assessment of field situations for the feasibility of vesicular-arbuscular mycorrhizal inoculation, using a forage legume as test plant. Agriculture, Ecosystems and Environment, 1986, 15, 241-252.	2.5	11

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127	Molecular approaches to study plasma membrane H+-ATPases in arbuscular mycorrhizas. Plant and Soil, 2000, 226, 219-225.	1.8	10
128	Mycorrhizal Fungi and Plant Growth Promoting Rhizobacteria. , 2008, , 351-371.		10
129	The influence of environmental degradation processes on the arbuscular mycorrhizal fungal community associated with yew (Taxus baccata L.), an endangered tree species from Mediterranean ecosystems of Southeast Spain. Plant and Soil, 2013, 370, 355-366.	1.8	10
130	Mycorrhizosphere Interactions to Improve a Sustainable Production of Legumes. , 2017, , 199-225.		7
131	Effect of arbuscular mycorrhiza on the growth and development of micropropagated Annona cherimola plants. Agricultural and Food Science, 1994, 3, 281-288.	0.3	7
132	The effect of season on VA mycorrhiza of the almond tree and of phosphate fertilization and species of endophyte on its mycorrhizal dependency. Plant and Soil, 1982, 68, 361-367.	1.8	6
133	Competition between introduced and indigenous mycorrhizal fungi (Glomus spp.) for root colonization of leek. Agriculture, Ecosystems and Environment, 1990, 29, 355-359.	2.5	6
134	Genomics of Arbuscular Mycorrhizal Fungi. Applied Mycology and Biotechnology, 2004, 4, 379-403.	0.3	6
135	Acaulospora viridis, a new species in the Glomeromycetes from two mountain ranges in AndalucÃa (Spain). Nova Hedwigia, 2014, 99, 71-82.	0.2	6
136	Arbuscular mycorrhizal fungi from acidic soils favors production of tomatoes and lycopene concentration. Journal of the Science of Food and Agriculture, 2022, 102, 2352-2358.	1.7	6
137	Brevibacillus, Arbuscular Mycorrhizae and Remediation of Metal Toxicity in Agricultural Soils. Soil Biology, 2011, , 235-258.	0.6	5
138	Mycorrhizosphere: The Role of PGPR. Soil Biology, 2014, , 107-143.	0.6	4
139	Acaulospora baetica, a new arbuscular mycorrhizal fungal species from two mountain ranges in AndalucÃa (Spain). Nova Hedwigia, 2015, 101, 463-474.	0.2	4