

Jose Garcia Garrido

List of Publications by Year in descending order

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65
papers

3,787
citations

109137

35
h-index

128067

60
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67
all docs

67
docs citations

67
times ranked

3015
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytohormones as integrators of environmental signals in the regulation of mycorrhizal symbioses. <i>New Phytologist</i> , 2015, 205, 1431-1436.	3.5	331
2	Abscisic acid determines arbuscule development and functionality in the tomato arbuscular mycorrhiza. <i>New Phytologist</i> , 2007, 175, 554-564.	3.5	273
3	Regulation of the plant defence response in arbuscular mycorrhizal symbiosis. <i>Journal of Experimental Botany</i> , 2002, 53, 1377-1386.	2.4	239
4	First indications for the involvement of strigolactones on nodule formation in alfalfa (<i>Medicago</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.2	174
5	Root colonization by arbuscular mycorrhizal fungi is affected by the salicylic acid content of the plant. <i>Plant Science</i> , 2003, 164, 993-998.	1.7	149
6	Take-all disease is systemically reduced in roots of mycorrhizal barley plants. <i>Soil Biology and Biochemistry</i> , 2007, 39, 727-734.	4.2	148
7	Induction of Ltp (lipid transfer protein) and Pal (phenylalanine ammonia-lyase) gene expression in rice roots colonized by the arbuscular mycorrhizal fungus <i>Glomus mosseae</i> . <i>Journal of Experimental Botany</i> , 2000, 51, 1969-1977.	2.4	142
8	Ethylene-dependent/ethylene-independent ABA regulation of tomato plants colonized by arbuscular mycorrhiza fungi. <i>New Phytologist</i> , 2011, 190, 193-205.	3.5	127
9	Resistance of pea roots to endomycorrhizal fungus or <i>Rhizobium</i> correlates with enhanced levels of endogenous salicylic acid. <i>Journal of Experimental Botany</i> , 1999, 50, 1663-1668.	2.4	112
10	Systemic suppression of mycorrhizal colonization of barley roots already colonized by AM fungi. <i>Soil Biology and Biochemistry</i> , 2000, 32, 589-595.	4.2	96
11	Induction of catalase and ascorbate peroxidase activities in tobacco roots inoculated with the arbuscular mycorrhizal <i>Glomus mosseae</i> . <i>Mycological Research</i> , 2000, 104, 722-725.	2.5	91
12	Strigolactones: a cry for help in the rhizosphere. <i>Botany</i> , 2011, 89, 513-522.	0.5	78
13	Regulation of the plant defence response in arbuscular mycorrhizal symbiosis. <i>Journal of Experimental Botany</i> , 2002, 53, 1377-86.	2.4	76
14	Reduced arbuscular mycorrhizal root colonization in <i>Tropaeolum majus</i> and <i>Carica papaya</i> after jasmonic acid application can not be attributed to increased glucosinolate levels. <i>Journal of Plant Physiology</i> , 2002, 159, 517-523.	1.6	74
15	Strigolactones, signals for parasitic plants and arbuscular mycorrhizal fungi. <i>Mycorrhiza</i> , 2009, 19, 449-459.	1.3	70
16	The Jasmonic Acid Signalling Pathway Restricts the Development of the Arbuscular Mycorrhizal Association in Tomato. <i>Journal of Plant Growth Regulation</i> , 2008, 27, 221-230.	2.8	68
17	Rice lipid transfer protein (LTP) genes belong to a complex multigene family and are differentially regulated. <i>Gene</i> , 1997, 195, 177-186.	1.0	66
18	Arbuscular mycorrhizal colonization and growth of soybean (<i>Glycine max</i>) and lettuce (<i>Lactuca</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.2	64

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19	Variations in the Mycorrhization Characteristics in Roots of Wild-Type and ABA-Deficient Tomato Are Accompanied by Specific Transcriptomic Alterations. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 651-664.	1.4	62
20	Colonisation of field pea roots by arbuscular mycorrhizal fungi reduces <i>Orobanche</i> and <i>Phelipanche</i> species seed germination. <i>Weed Research</i> , 2010, 50, 262-268.	0.8	57
21	Mycorrhization of the notabilis and sitiens tomato mutants in relation to abscisic acid and ethylene contents. <i>Journal of Plant Physiology</i> , 2010, 167, 606-613.	1.6	57
22	A comparison of wild-type, old and modern tomato cultivars in the interaction with the arbuscular mycorrhizal fungus <i>Glomus mosseae</i> and the tomato pathogen <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> . <i>Mycorrhiza</i> , 2012, 22, 189-194.	1.3	56
23	The effect of arbuscular mycorrhizal fungi on total plant nitrogen uptake and nitrogen recovery from soil organic material. <i>Journal of Agricultural Science</i> , 2014, 152, 370-378.	0.6	56
24	Combined effect of salicylic acid and salinity on some antioxidant activities, oxidative stress and metabolite accumulation in <i>Phaseolus vulgaris</i> . <i>Plant Growth Regulation</i> , 2009, 58, 307-316.	1.8	55
25	Activation of basal defense mechanisms of rice plants by <i>Glomus intraradices</i> does not affect the arbuscular mycorrhizal symbiosis. <i>New Phytologist</i> , 2010, 188, 597-614.	3.5	55
26	Late activation of the 9-oxylipin pathway during arbuscular mycorrhiza formation in tomato and its regulation by jasmonate signalling. <i>Journal of Experimental Botany</i> , 2012, 63, 3545-3558.	2.4	52
27	Inducibility by pathogen attack and developmental regulation of the rice <i>Ltp1</i> gene. <i>Plant Molecular Biology</i> , 2002, 49, 679-695.	2.0	51
28	The Biocontrol Effect of Mycorrhization on Soilborne Fungal Pathogens and the Autoregulation of the AM Symbiosis: One Mechanism, Two Effects?. , 2008, , 307-320.		51
29	Effect of VA mycorrhizal infection of tomato on damage caused by <i>Pseudomonas syringae</i> . <i>Soil Biology and Biochemistry</i> , 1989, 21, 165-167.	4.2	48
30	Title is missing!. <i>Plant and Soil</i> , 1998, 200, 131-137.	1.8	47
31	Hydrolytic enzymes and ability of arbuscular mycorrhizal fungi to colonize roots. <i>Journal of Experimental Botany</i> , 2000, 51, 1443-1448.	2.4	44
32	Characterization of a gene encoding an abscisic acid-inducible type-2 lipid transfer protein from rice. <i>FEBS Letters</i> , 1998, 428, 193-199.	1.3	43
33	Role of gibberellins during arbuscular mycorrhizal formation in tomato: new insights revealed by endogenous quantification and genetic analysis of their metabolism in mycorrhizal roots. <i>Physiologia Plantarum</i> , 2015, 154, 66-81.	2.6	41
34	Cellulase production by the vesicular-arbuscular mycorrhizal fungus <i>Glomus mosseae</i> (Nicol. & Tj) ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.5	40
35	Presence of specific polypeptides in onion roots colonized by <i>Glomus mosseae</i> . <i>Mycorrhiza</i> , 1993, 2, 175-177.	1.3	39
36	Saprobic fungi decrease plant toxicity caused by olive mill residues. <i>Applied Soil Ecology</i> , 2004, 26, 149-156.	2.1	38

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37	Possible influence of hydrolytic enzymes on vesicular arbuscular mycorrhizal infection of alfalfa. <i>Soil Biology and Biochemistry</i> , 1990, 22, 149-152.	4.2	35
38	Interaction between <i>Glomus mosseae</i> and <i>Erwinia carotovora</i> and its effects on the growth of tomato plants. <i>New Phytologist</i> , 1988, 110, 551-555.	3.5	34
39	An improved method for <i>Agrobacterium rhizogenes</i> -mediated transformation of tomato suitable for the study of arbuscular mycorrhizal symbiosis. <i>Plant Methods</i> , 2018, 14, 34.	1.9	34
40	Identification and Expression Analysis of GRAS Transcription Factor Genes Involved in the Control of Arbuscular Mycorrhizal Development in Tomato. <i>Frontiers in Plant Science</i> , 2019, 10, 268.	1.7	33
41	Agricultural factors affecting <i>Verticillium</i> wilt in olive orchards in Spain. <i>European Journal of Plant Pathology</i> , 2008, 122, 287-295.	0.8	30
42	Altered pattern of arbuscular mycorrhizal formation in tomato ethylene mutants. <i>Plant Signaling and Behavior</i> , 2011, 6, 755-758.	1.2	30
43	Interaction between <i>Alternaria alternata</i> or <i>Fusarium equiseti</i> and <i>Glomus mosseae</i> and its effects on plant growth. <i>Biology and Fertility of Soils</i> , 1997, 24, 301-305.	2.3	28
44	Plant 9- <i>lox</i> oxylipin metabolism in response to arbuscular mycorrhiza. <i>Plant Signaling and Behavior</i> , 2012, 7, 1584-1588.	1.2	25
45	The bioprotective effect of AM root colonization against the soil-borne fungal pathogen <i>Gaeumannomyces graminis</i> var. <i>tritici</i> in barley depends on the barley variety. <i>Soil Biology and Biochemistry</i> , 2011, 43, 831-834.	4.2	23
46	Molecular Regulation of Arbuscular Mycorrhizal Symbiosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5960.	1.8	23
47	DLK2 regulates arbuscule hyphal branching during arbuscular mycorrhizal symbiosis. <i>New Phytologist</i> , 2021, 229, 548-562.	3.5	22
48	Parasitic plant infection is partially controlled through symbiotic pathways. <i>Weed Research</i> , 2010, 50, 76-82.	0.8	21
49	Production of pectolytic enzymes in lettuce root colonized by <i>Glomus mosseae</i> . <i>Soil Biology and Biochemistry</i> , 1991, 23, 597-601.	4.2	18
50	Purification of an arbuscular mycorrhizal endoglucanase from onion roots colonized by <i>Glomus mosseae</i> . <i>Soil Biology and Biochemistry</i> , 1996, 28, 1443-1449.	4.2	18
51	Ethylene Alleviates the Suppressive Effect of Phosphate on Arbuscular Mycorrhiza Formation. <i>Journal of Plant Growth Regulation</i> , 2016, 35, 611-617.	2.8	14
52	Effect of xyloglucan and xyloglucanase activity on the development of the arbuscular mycorrhizal <i>Glomus mosseae</i> . <i>Mycological Research</i> , 1999, 103, 882-886.	2.5	13
53	Endocellulase activity is associated with arbuscular mycorrhizal spread in pea symbiotic mutants but not with its ethylene content in root. <i>Soil Biology and Biochemistry</i> , 2007, 39, 786-792.	4.2	13
54	Strigolactones seem not to be involved in the nonsusceptibility of arbuscular mycorrhizal (AM) nonhost plants to AM fungi. <i>Botany</i> , 2011, 89, 285-288.	0.5	12

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55	Endoglucanase activity in lettuce plants colonized with the vesicular-arbuscular mycorrhizal fungus <i>Glomus fasciculatum</i> . <i>Soil Biology and Biochemistry</i> , 1992, 24, 955-959.	4.2	11
56	Large-scale epidemiological study and spatial patterns of <i>Verticillium</i> wilt in olive orchards in southern Spain. <i>Crop Protection</i> , 2009, 28, 46-52.	1.0	11
57	The <i>Rhizobium</i> sp. strain NGR234 systemically suppresses arbuscular mycorrhizal root colonization in a split-root system of barley (<i>Hordeum vulgare</i>). <i>Physiologia Plantarum</i> , 2010, 140, no-no.	2.6	10
58	A Novel Putative Microtubule-Associated Protein Is Involved in Arbuscule Development during Arbuscular Mycorrhiza Formation. <i>Plant and Cell Physiology</i> , 2021, 62, 306-320.	1.5	9
59	Cellulase activity in lettuce and onion plants colonized by the vesicular-arbuscular mycorrhizal fungus <i>Glomus mosseae</i> . <i>Soil Biology and Biochemistry</i> , 1992, 24, 503-504.	4.2	6
60	Suppression of allene oxide synthase 3 in potato increases degree of arbuscular mycorrhizal fungal colonization. <i>Journal of Plant Physiology</i> , 2016, 190, 15-25.	1.6	6
61	Identification and expression analysis of the arbuscular mycorrhiza-inducible Rieske non-heme oxygenase <i>Ptc52</i> gene from tomato. <i>Journal of Plant Physiology</i> , 2019, 237, 95-103.	1.6	4
62	Climatic drivers of <i>Verticillium dahliae</i> occurrence in Mediterranean olive-growing areas of southern Spain. <i>PLoS ONE</i> , 2020, 15, e0232648.	1.1	4
63	Histochemical Staining and Quantification of Arbuscular Mycorrhizal Fungal Colonization. <i>Methods in Molecular Biology</i> , 2020, 2146, 43-52.	0.4	3
64	Functional Analysis of Plant Genes Related to Arbuscular Mycorrhiza Symbiosis Using <i>Agrobacterium rhizogenes</i> -Mediated Root Transformation and Hairy Root Production. <i>Rhizosphere Biology</i> , 2020, , 191-215.	0.4	1
65	Microtubule cytoskeleton and mycorrhizal roots. <i>Plant Signaling and Behavior</i> , 2022, 17, 2031504.	1.2	1