Nuria Ferrol GonzÃ¡lez

List of Publications by Year
in descending order

67 papers	3,732 citations	117625 34 h-index	128289 60 g-index
67 all docs	67 docs citations	67 times ranked	2949 citing authors

#	Article	IF	Citations
1	Impact of arbuscular mycorrhiza on maize P1B-ATPases gene expression and ionome in copper-contaminated soils. Ecotoxicology and Environmental Safety, 2022, 234, 113390.	6.0	7
2	Characterization of the NRAMP Gene Family in the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis. Journal of Fungi (Basel, Switzerland), 2022, 8, 592.	3.5	5
3	Membrane Transporters, an Overview of the Arbuscular Mycorrhizal Fungal Transportome. , 2021, , 44-53.		2
4	Expression analysis and functional characterization of two PHT1 family phosphate transporters in ryegrass. Planta, 2020, 251, 6.	3.2	14
5	Effect of Arbuscular Mycorrhizal Colonization on Cadmium-Mediated Oxidative Stress in Glycine max (L.) Merr.. Plants, 2020, 9, 108.	3.5	28
6	A Whole-Plant Culture Method to Study Structural and Functional Traits of Extraradical Mycelium. Methods in Molecular Biology, 2020, 2146, 33-41.	0.9	3
7	Functional Analysis of Arbuscular Mycorrhizal Fungal Genes in Yeast. Methods in Molecular Biology, 2020, 2146, 197-211.	0.9	0
8	The Rhizophagus irregularis Genome Encodes Two CTR Copper Transporters That Mediate Cu Import Into the Cytosol and a CTR-Like Protein Likely Involved in Copper Tolerance. Frontiers in Plant Science, 2019, 10, 604.	3.6	17
9	Editorial: Effects of Plant-Microbiome Interactions on Phyto- and Bio-Remediation Capacity. Frontiers in Plant Science, 2019, 10, 533.	3.6	14
10	Review: Arbuscular mycorrhizas as key players in sustainable plant phosphorus acquisition: An overview on the mechanisms involved. Plant Science, 2019, 280, 441-447.	3.6	124
11	The arbuscular mycorrhizal fungus Rhizophagus irregularis uses a reductive iron assimilation pathway for highâ€affinity iron uptake. Environmental Microbiology, 2018, 20, 1857-1872.	3.8	16
12	Aluminium toxicity and phosphate deficiency activates antioxidant systems and up-regulates expression of phosphate transporters gene in ryegrass (Lolium perenne L.) plants. Plant Physiology and Biochemistry, 2018, 130, 445-454.	5.8	21
13	An in vivo whole-plant experimental system for the analysis of gene expression in extraradical mycorrhizal mycelium. Mycorrhiza, 2017, 27, 659-668.	2.8	25
14	Characterization of Three New Glutaredoxin Genes in the Arbuscular Mycorrhizal Fungus Rhizophagus irregularis: Putative Role of RiGRX4 and RiGRX5 in Iron Homeostasis. PLoS ONE, 2016, 11, e0149606.	2.5	9
15	Contribution of inoculation with arbuscular mycorrhizal fungi to the bioremediation of a copper polluted soil using Oenothera picensis. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	3.4	10
16	GintAMT3 â€“ a Low-Affinity Ammonium Transporter of the Arbuscular Mycorrhizal Rhizophagus irregularis. Frontiers in Plant Science, 2016, 7, 679.	3.6	66
17	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.	3.6	44
18	The heavy metal paradox in arbuscular mycorrhizas: from mechanisms to biotechnological applications. Journal of Experimental Botany, 2016, 67, 6253-6265.	4.8	216

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19	A dipeptide transporter from the arbuscular mycorrhizal fungus Rhizophagus irregularis is upregulated in the intraradical phase. Frontiers in Plant Science, 2014, 5, 436.	3.6	47
20	Genome-wide analysis of copper, iron and zinc transporters in the arbuscular mycorrhizal fungus Rhizophagus irregularis. Frontiers in Plant Science, 2014, 5, 547.	3.6	120
21	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	1.8	78
22	Transcriptional regulation of host transporters and GS/GOGAT pathway in arbuscular mycorrhizal rice roots. Plant Physiology and Biochemistry, 2014, 75, 1-8.	5.8	68
23	Shedding light onto nutrient responses of arbuscular mycorrhizal plants: Nutrient interactions may lead to unpredicted outcomes of the symbiosis. Plant Science, 2014, 221-222, 29-41.	3.6	46
24	Copper compartmentalization in spores as a survival strategy of arbuscular mycorrhizal fungi in Cu-polluted environments. Soil Biology and Biochemistry, 2013, 57, 925-928.	8.8	110
25	Metal Transporters in Plants. , 2013, , 19-41.		13
26	Temporal dynamics of arbuscular mycorrhizal fungi colonizing roots of representative shrub species in a semi-arid Mediterranean ecosystem. Mycorrhiza, 2012, 22, 449-460.	2.8	34
27	Kinetics of NH 4 + uptake by the arbuscular mycorrhizal fungus Rhizophagus irregularis. Mycorrhiza, 2012, 22, 485-491.	2.8	44
28	Analyzing the community composition of arbuscular mycorrhizal fungi colonizing the roots of representative shrubland species in a Mediterranean ecosystem. Journal of Arid Environments, 2012, 80, 1-9.	2.4	26
29	The transcriptome of the arbuscular mycorrhizal fungus Glomus intraradices (DAOM 197198) reveals functional tradeoffs in an obligate symbiont. New Phytologist, 2012, 193, 755-769.	7.3	305
30	Electrochemistry of copper(II) induced complexes in mycorrhizal maize plant tissues. Journal of Hazardous Materials, 2012, 203-204, 257-263.	12.4	7
31	GintAMT2, a new member of the ammonium transporter family in the arbuscular mycorrhizal fungus Glomus intraradices. Fungal Genetics and Biology, 2011, 48, 1044-1055.	2.1	143
32	Ecological and functional roles of mycorrhizas in semi-arid ecosystems of Southeast Spain. Journal of Arid Environments, 2011, 75, 1292-1301.	2.4	175
33	Ambispora granatensis, a new arbuscular mycorrhizal fungus, associated with Asparagus officinalis in AndalucÃa (Spain). Mycologia, 2011, 103, 333-340.	1.9	19
34	Characterization of a CuZn superoxide dismutase gene in the arbuscular mycorrhizal fungus Glomus intraradices. Current Genetics, 2010, 56, 265-274.	1.7	73
35	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.	2.8	76
36	Entrophospora nevadensis, a new arbuscular mycorrhizal fungus from Sierra Nevada National Park (southeastern Spain). Mycologia, 2010, 102, 624-632.	1.9	38

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37	Survival strategies of arbuscular mycorrhizal fungi in Cu-polluted environments. Phytochemistry Reviews, 2009, 8, 551-559.	6.5	89
38	GintPDX1 encodes a protein involved in vitamin B6 biosynthesis that is upâ€regulated by oxidative stress in the arbuscular mycorrhizal fungus Glomus intraradices. New Phytologist, 2009, 184, 682-693.	7.3	53
39	GintGRX1, the first characterized glomeromycotan glutaredoxin, is a multifunctional enzyme that responds to oxidative stress. Fungal Genetics and Biology, 2009, 46, 94-103.	2.1	72
40	Coordinated Nutrient Exchange in Arbuscular Mycorrhiza. , 2009, , 73-87.		16
41	Mechanisms Underlying Heavy Metal Tolerance in Arbuscular Mycorrhizas. , 2009, , 107-122.		37
42	Mycorrhizal symbioses. Plant Ecophysiology, 2008, , 143-163.	1.5	26
43	Ultrastructural localization of heavy metals in the extraradical mycelium and spores of the arbuscular mycorrhizal fungusGlomus intraradices. Canadian Journal of Microbiology, 2008, 54, 103-110.	1.7	158
44	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.	1.9	31
45	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.	1.9	57
46	Transcriptional regulation of host enzymes involved in the cleavage of sucrose during arbuscular mycorrhizal symbiosis. Physiologia Plantarum, 2007, 129, 737-746.	5.2	36
47	GintMT1 encodes a functional metallothionein in Glomus intraradices that responds to oxidative stress. Mycorrhiza, 2007, 17, 327-335.	2.8	98
48	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.	2.1	175
49	Expression of a tomato sugar transporter is increased in leaves of mycorrhizal or Phytophthora parasitica-infected plants. Mycorrhiza, 2005, 15, 489-496.	2.8	33
50	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.	2.1	172
51	Genomics of Arbuscular Mycorrhizal Fungi. Applied Mycology and Biotechnology, 2004, 4, 379-403.	0.3	6
52	Temporal temperature gradient gel electrophoresis (TTGE) as a tool for the characterization of arbuscular mycorrhizal fungi. FEMS Microbiology Letters, 2004, 241, 265-270.	1.8	72
53	Analysing arbuscular mycorrhizal fungal diversity in shrub-associated resource islands from a desertification-threatened semiarid Mediterranean ecosystem. Applied Soil Ecology, 2004, 25, 123-133.	4.3	83
54	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.	4.3	74

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55	Arbuscular mycorrhizal symbiosis regulates plasma membrane H+-ATPase gene expression in tomato plants. Journal of Experimental Botany, 2002, 53, 1683-1687.	4.8	48
56	Mechanisms of nutrient transport across interfaces in arbuscular mycorrhizas. Plant and Soil, 2002, 244, 231-237.	3.7	37
57	Molecular approaches to study plasma membrane H+-ATPases in arbuscular mycorrhizas. Plant and Soil, 2000, 226, 219-225.	3.7	10
58	The plasma membrane H + -ATPase gene family in the arbuscular mycorrhizal fungus Glomus mosseae. Current Genetics, 2000, 37, 112-118.	1.7	72
59	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.	4.8	0
60	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.	4.8	23
61	Lipoxygenase activity and lipid composition of cotyledons and oil bodies of two sunflower hybrids. Plant Physiology and Biochemistry, 1998, 36, 285-291.	5.8	24
62	Soluble and membrane symbiosis-related polypeptides associated with the development of arbuscular mycorrhizas in tomato (Lycopersicon esculentum). New Phytologist, 1998, 140, 135-143.	7.3	26
63	A Single Gene May Encode Differentially Localized Ca2+-ATPases in Tomato.. Plant Cell, 1996, 8, 1159-1169.	6.6	43
64	Effect of boron on plasma membrane proton extrusion and redox activity in sunflower cells. Plant Science, 1992, 86, 41-47.	3.6	25
65	In vivo and in vitro effects of boron on the plasma membrane proton pump of sunflower roots. Physiologia Plantarum, 1992, 84, 49-54.	5.2	42
66	Oxygenated sesquiterpenes from the wood of Juniperus oxycedrus. Phytochemistry, 1991, 30, 1551-1554.	2.9	33
67	Conformational isomers of 14-hydroxy-9-epi-Î²-caryophyllene isolated from the wood of Juniperus oxycedrus. Tetrahedron Letters, 1989, 30, 247-250.	1.4	18