Maria J Pozo

List of Publications by Year
in descending order

80 papers	12,045 citations	53794 45 h-index	74163 75 g-index
80 all docs	80 docs citations	80 times ranked	9716 citing authors

#	Article	IF	Citations
1	Nitric oxide signalling in roots is required for MYB72-dependent systemic resistance induced by <i>Trichoderma</i> volatile compounds in Arabidopsis. Journal of Experimental Botany, 2022, 73, 584-595.	4.8	21
2	Strigolactones: New players in the nitrogenâ€“phosphorus signalling interplay. Plant, Cell and Environment, 2022, 45, 512-527.	5.7	25
3	An Updated Review on the Modulation of Carbon Partitioning and Allocation in Arbuscular Mycorrhizal Plants. Microorganisms, 2022, 10, 75.	3.6	19
4	Resistance and Not Plant Fruit Traits Determine Root-Associated Bacterial Community Composition along a Domestication Gradient in Tomato. Plants, 2022, 11, 43.	3.5	1
5	Roots drive oligogalacturonideâ€induced systemic immunity in tomato. Plant, Cell and Environment, 2021, 44, 275-289.	5.7	35
6	Untapping the potential of plant mycobiomes for applications in agriculture. Current Opinion in Plant Biology, 2021, 60, 102034.	7.1	56
7	Mycorrhizal symbiosis primes the accumulation of antiherbivore compounds and enhances herbivore mortality in tomato. Journal of Experimental Botany, 2021, 72, 5038-5050.	4.8	40
8	Mycorrhiza-Induced Resistance against Foliar Pathogens Is Uncoupled of Nutritional Effects under Different Light Intensities. Journal of Fungi (Basel, Switzerland), 2021, 7, 402.	3.5	21
9	The Induced Resistance Lexicon: Doâ€™s and Donâ€™ts. Trends in Plant Science, 2021, 26, 685-691.	8.8	84
10	Tomato Domestication Affects Potential Functional Molecular Pathways of Root-Associated Soil Bacteria. Plants, 2021, 10, 1942.	3.5	10
11	Microbial Consortia for Effective Biocontrol of Root and Foliar Diseases in Tomato. Frontiers in Plant Science, 2021, 12, 756368.	3.6	42
12	MÃ©nage Ã Trois: Unraveling the Mechanisms Regulating Plantâ€“Microbeâ€“Arthropod Interactions. Trends in Plant Science, 2020, 25, 1215-1226.	8.8	31
13	Root-to-shoot signalling in mycorrhizal tomato plants upon Botrytis cinerea infection. Plant Science, 2020, 298, 110595.	3.6	27
14	Exogenous strigolactones impact metabolic profiles and phosphate starvation signalling in roots. Plant, Cell and Environment, 2020, 43, 1655-1668.	5.7	35
15	Role and mechanisms of callose priming in mycorrhiza-induced resistance. Journal of Experimental Botany, 2020, 71, 2769-2781.	4.8	56
16	Histochemical and Molecular Quantification of Arbuscular Mycorrhiza Symbiosis. Methods in Molecular Biology, 2020, 2083, 293-299.	0.9	3
17	<i>Trichoderma harzianum</i> triggers an early and transient burst of nitric oxide and the upregulation of <i>PHYTOGB1</i> in tomato roots. Plant Signaling and Behavior, 2019, 14, 1640564.	2.4	6
18	Nitric oxide in plantâ€“fungal interactions. Journal of Experimental Botany, 2019, 70, 4489-4503.	4.8	42

#	Article	IF	Citations
19	Nitric oxide and phytoglobin PHYTOGB1 are regulatory elements in the <i>Solanum lycopersicum</i>â€“<i>Rhizophagus irregularis</i> mycorrhizal symbiosis. New Phytologist, 2019, 223, 1560-1574.	7.3	39
20	Molecular dialogue between arbuscular mycorrhizal fungi and the nonhost plant <i>Arabidopsis thaliana</i> switches from initial detection to antagonism. New Phytologist, 2019, 223, 867-881.	7.3	49
21	Transcriptional Changes in Mycorrhizal and Nonmycorrhizal Soybean Plants upon Infection with the Fungal Pathogen <i>Macrophomina phaseolina</i>. Molecular Plant-Microbe Interactions, 2018, 31, 842-855.	2.6	30
22	Mycorrhizal tomato plants fine tunes the growthâ€defence balance upon N depleted root environments. Plant, Cell and Environment, 2018, 41, 406-420.	5.7	66
23	Microbial Community Composition in Take-All Suppressive Soils. Frontiers in Microbiology, 2018, 9, 2198.	3.5	46
24	Growing Research Networks on Mycorrhizae for Mutual Benefits. Trends in Plant Science, 2018, 23, 975-984.	8.8	51
25	Root metabolic plasticity underlies functional diversity in mycorrhizaâ€enhanced stress tolerance in tomato. New Phytologist, 2018, 220, 1322-1336.	7.3	107
26	Accurate and easy method for systemin quantification and examining metabolic changes under different endogenous levels. Plant Methods, 2018, 14, 33.	4.3	25
27	Shifting from priming of salicylic acidâ€•to jasmonic acidâ€regulated defences by <i>Trichoderma</i> protects tomato against the root knot nematode <i>Meloidogyne incognita</i>. New Phytologist, 2017, 213, 1363-1377.	7.3	275
28	Screening and Characterization of Potentially Suppressive Soils against Gaeumannomyces graminis under Extensive Wheat Cropping by Chilean Indigenous Communities. Frontiers in Microbiology, 2017, 8, 1552.	3.5	41
29	The Nitrogen Availability Interferes with Mycorrhiza-Induced Resistance against Botrytis cinerea in Tomato. Frontiers in Microbiology, 2016, 7, 1598.	3.5	49
30	Recognizing Plant Defense Priming. Trends in Plant Science, 2016, 21, 818-822.	8.8	549
31	Belowground Defence Strategies in Plants: The Plantâ€“Trichoderma Dialogue. Signaling and Communication in Plants, 2016, , 301-327.	0.7	19
32	Expression of molecular markers associated to defense signaling pathways and strigolactone biosynthesis during the early interaction tomato-Phelipanche ramosa. Physiological and Molecular Plant Pathology, 2016, 94, 100-107.	2.5	24
33	Metabolic transition in mycorrhizal tomato roots. Frontiers in Microbiology, 2015, 6, 598.	3.5	111
34	Induced systemic resistance against Botrytis cinerea by Micromonospora strains isolated from root nodules. Frontiers in Microbiology, 2015, 6, 922.	3.5	101
35	Intra and Inter-Spore Variability in Rhizophagus irregularis AOX Gene. PLoS ONE, 2015, 10, e0142339.	2.5	23
36	Editorial: Above-belowground interactions involving plants, microbes and insects. Frontiers in Plant Science, 2015, 6, 318.	3.6	44

#	Article	IF	Citations
37	Phytohormones as integrators of environmental signals in the regulation of mycorrhizal symbioses. New Phytologist, 2015, 205, 1431-1436.	7.3	331
38	Differential spatio-temporal expression of carotenoid cleavage dioxygenases regulates apocarotenoid fluxes during AM symbiosis. Plant Science, 2015, 230, 59-69.	3.6	49
39	Microbial priming of plant and animal immunity: symbionts as developmental signals. Trends in Microbiology, 2014, 22, 607-613.	7.7	100
40	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	1.8	78
41	Do strigolactones contribute to plant defence?. Molecular Plant Pathology, 2014, 15, 211-216.	4.2	173
42	Beneficial microbes in a changing environment: are they always helping plants to deal with insects?. Functional Ecology, 2013, 27, 574-586.	3.6	171
43	Arbuscular mycorrhizal symbiosis influences strigolactone production under salinity and alleviates salt stress in lettuce plants. Journal of Plant Physiology, 2013, 170, 47-55.	3.5	299
44	Deciphering the hormonal signalling network behind the systemic resistance induced by Trichoderma harzianum in tomato. Frontiers in Plant Science, 2013, 4, 206.	3.6	199
45	Chemical Signalling in the Arbuscular Mycorrhizal Symbiosis: Biotechnological Applications. Soil Biology, 2013, , 215-232.	0.8	12
46	Root Allies: Arbuscular Mycorrhizal Fungi Help Plants to Cope with Biotic Stresses. Soil Biology, 2013, , 289-307.	0.8	28
47	The tomato <i><scp>CAROTENOID CLEAVAGE DIOXYGENASE</scp>8</i> (<i><scp>S</scp>l<scp>CCD</scp>8</i>) regulates rhizosphere signaling, plant architecture and affects reproductive development through strigolactone biosynthesis. New Phytologist, 2012, 196, 535-547.	7.3	250
48	Communication in the Rhizosphere, a Target for Pest Management. , 2012, , 109-133.		15
49	Mycorrhiza-Induced Resistance and Priming of Plant Defenses. Journal of Chemical Ecology, 2012, 38, 651-664.	1.8	757
50	Strigolactones: a cry for help in the rhizosphere. Botany, 2011, 89, 513-522.	1.0	78
51	Arbuscular mycorrhizal symbiosis decreases strigolactone production in tomato. Journal of Plant Physiology, 2011, 168, 294-297.	3.5	137
52	Elicitation of foliar resistance mechanisms transiently impairs root association with arbuscular mycorrhizal fungi. Journal of Ecology, 2011, 99, 36-45.	4.0	69
53	AM symbiosis alters phenolic acid content in tomato roots. Plant Signaling and Behavior, 2010, 5, 1138-1140.	2.4	44
54	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.	4.8	238

#	Article	IF	Citations
55	Glucanases and Chitinases as Causal Agents in the Protection of Acacia Extrafloral Nectar from Infestation by Phytopathogens. Plant Physiology, 2010, 152, 1705-1715.	4.8	59
56	Impact of Arbuscular Mycorrhizal Symbiosis on Plant Response to Biotic Stress: The Role of Plant Defence Mechanisms. , 2010, , 193-207.		89
57	Presence of yeasts in floral nectar is consistent with the hypothesis of microbial-mediated signaling in plant-pollinator interactions. Plant Signaling and Behavior, 2009, 4, 1102-1104.	2.4	29
58	Priming of plant innate immunity by rhizobacteria and Î²â€aminobutyric acid: differences and similarities in regulation. New Phytologist, 2009, 183, 419-431.	7.3	192
59	Priming Plant Defence Against Pathogens by Arbuscular Mycorrhizal Fungi. , 2009, , 123-135.		58
60	Transcription factor MYC2 is involved in priming for enhanced defense during rhizobacteriaâ€induced systemic resistance in <i>Arabidopsis thaliana</i>. New Phytologist, 2008, 180, 511-523.	7.3	264
61	Unraveling mycorrhiza-induced resistance. Current Opinion in Plant Biology, 2007, 10, 393-398.	7.1	919
62	Tvbgn3, a Î²-1,6-Glucanase from the Biocontrol Fungus Trichoderma virens, Is Involved in Mycoparasitism and Control of Pythium ultimum. Applied and Environmental Microbiology, 2006, 72, 7661-7670.	3.1	87
63	Sm1, a Proteinaceous Elicitor Secreted by the Biocontrol Fungus Trichoderma virens Induces Plant Defense Responses and Systemic Resistance. Molecular Plant-Microbe Interactions, 2006, 19, 838-853.	2.6	310
64	Priming: Getting Ready for Battle. Molecular Plant-Microbe Interactions, 2006, 19, 1062-1071.	2.6	1,241
65	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
66	Microbial co-operation in the rhizosphere. Journal of Experimental Botany, 2005, 56, 1761-1778.	4.8	935
67	Signal Signature and Transcriptome Changes of Arabidopsis During Pathogen and Insect Attack. Molecular Plant-Microbe Interactions, 2005, 18, 923-937.	2.6	909
68	Jasmonatesâ€”Signals in plant-microbe interactions. Journal of Plant Growth Regulation, 2004, 23, 211-222.	5.1	12
69	Jasmonates - Signals in Plant-Microbe Interactions. Journal of Plant Growth Regulation, 2004, 23, 211-222.	5.1	194
70	Functional analysis of tvsp1, a serine protease-encoding gene in the biocontrol agent Trichoderma virens. Fungal Genetics and Biology, 2004, 41, 336-348.	2.1	125
71	Enhanced fungal resistance in transgenic cotton expressing an endochitinase gene from Trichoderma virens. Plant Biotechnology Journal, 2003, 1, 321-336.	8.3	142
72	Enhanced biocontrol activity of Trichoderma through inactivation of a mitogen-activated protein kinase. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15965-15970.	7.1	128

#	Article	IF	Citations
73	Arbuscular mycorrhizal symbiosis regulates plasma membrane H+-ATPase gene expression in tomato plants. Journal of Experimental Botany, 2002, 53, 1683-1687.	4.8	48
74	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.	4.8	383
75	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.	3.6	145
76	Chitosanase and chitinase activities in tomato roots during interactions with arbuscular mycorrhizal fungi or Phytophthora parasitica. Journal of Experimental Botany, 1998, 49, 1729-1739.	4.8	74
77	Cell Defense Responses Associated with Localized and Systemic Resistance to Phytophthora parasitica Induced in Tomato by an Arbuscular Mycorrhizal Fungus. Molecular Plant-Microbe Interactions, 1998, 11, 1017-1028.	2.6	319
78	Plant hydrolytic enzymes (chitinases and Î²-1,3-glucanases) in root reactions to pathogenic and symbiotic microorganisms. Plant and Soil, 1996, 185, 211-221.	3.7	66
79	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
80	Compatibility of mycorrhizaâ€induced resistance with viral and bacterial entomopathogens in the control of <i>Spodoptera exigua</i> in tomato. Pest Management Science, 0, , .	3.4	0