Ainhoa Martinez-Medina

List of Publications by Year
in descending order

37	3,179	304743 22	345221 36
papers	citations	h-index	g-index

37	37	37	3663
all docs	docs citations	times ranked	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	Nutrient status not secondary metabolites drives herbivory and pathogen infestation across differently mycorrhized tree monocultures and mixtures. Basic and Applied Ecology, 2021, 55, 110-123.	2.7	7
3	Induced Local and Systemic Defense Responses in Tomato Underlying Interactions Between the Root-Knot Nematode Meloidogyne incognita and the Potato Aphid Macrosiphum euphorbiae. Frontiers in Plant Science, 2021, 12, 632212.	3.6	10
4	Untapping the potential of plant mycobiomes for applications in agriculture. Current Opinion in Plant Biology, 2021, 60, 102034.	7.1	56
5	Leaf herbivory counteracts nematode-triggered repression of jasmonate-related defenses in tomato roots. Plant Physiology, 2021, 187, 1762-1778.	4.8	9
6	Root infection by the nematode <i>Meloidogyne incognita</i> modulates leaf antiherbivore defenses and plant resistance to <i>Spodoptera exigua</i>. Journal of Experimental Botany, 2021, 72, 7909-7926.	4.8	6
7	Cascading Effects of Root Microbial Symbiosis on the Development and Metabolome of the Insect Herbivore Manduca sexta L.. Metabolites, 2021, 11, 731.	2.9	13
8	MÃ©nage Ã Trois: Unraveling the Mechanisms Regulating Plantâ€“Microbeâ€“Arthropod Interactions. Trends in Plant Science, 2020, 25, 1215-1226.	8.8	31
9	The impact of Spodoptera exigua herbivory on Meloidogyne incognita-induced root responses depends on the nematodesâ€™ life cycle stages. AoB PLANTS, 2020, 12, plaa029.	2.3	13
10	The Lipoxygenase Lox1 Is Involved in Lightâ€•and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus Trichoderma atroviride. Frontiers in Microbiology, 2020, 11, 2004.	3.5	26
11	Editorial: As Above So Below? Progress in Understanding the Role of Belowground Interactions in Ecological Processes. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	0
12	<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
13	Effective approaches to study the plant-root knot nematode interaction. Plant Physiology and Biochemistry, 2019, 141, 332-342.	5.8	32
14	Nitric oxide in plantâ€“fungal interactions. Journal of Experimental Botany, 2019, 70, 4489-4503.	4.8	42
15	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
16	Coming to Common Ground: The Challenges of Applying Ecological Theory Developed Aboveground to Rhizosphere Interactions. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	7
17	Interactions between functionally diverse fungal mutualists inconsistently affect plant performance and competition. Oikos, 2019, 128, 1136-1146.	2.7	10
18	Induced Systemic Resistance (ISR) and Fe Deficiency Responses in Dicot Plants. Frontiers in Plant Science, 2019, 10, 287.	3.6	176

#	ARTICLE	IF	CITATIONS
19	Growing Research Networks on Mycorrhizae for Mutual Benefits. Trends in Plant Science, 2018, 23, 975-984.	8.8	51
20	Defence signalling marker gene responses to hormonal elicitation differ between roots and shoots. AoB PLANTS, 2018, 10, ply031.	2.3	16
21	Airborne signals from <i>Trichoderma</i> fungi stimulate iron uptake responses in roots resulting in priming of jasmonic acidâ€dependent defences in shoots of <scp><i>Arabidopsis thaliana</i></scp> and <scp><i>Solanum lycopersicum</i></scp>. Plant, Cell and Environment, 2017, 40, 2691-2705.	5.7	153
22	Impact of salicylic acid- and jasmonic acid-regulated defences on root colonization by <i>Trichoderma harzianum</i> T-78. Plant Signaling and Behavior, 2017, 12, e1345404.	2.4	47
23	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
24	Biostimulant and suppressive effect of <i>Trichoderma harzianum</i> enriched compost for melon cultivation from greenhouse nursery to field production. Acta Horticulturae, 2017, , 225-232.	0.2	4
25	Recognizing Plant Defense Priming. Trends in Plant Science, 2016, 21, 818-822.	8.8	549
26	Belowground Defence Strategies in Plants: The Plantâ€"Trichoderma Dialogue. Signaling and Communication in Plants, 2016, , 301-327.	0.7	19
27	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	1.8	78
28	Phytohormone Profiles Induced by Trichoderma Isolates Correspond with Their Biocontrol and Plant Growth-Promoting Activity on Melon Plants. Journal of Chemical Ecology, 2014, 40, 804-815.	1.8	171
29	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
30	Root Allies: Arbuscular Mycorrhizal Fungi Help Plants to Cope with Biotic Stresses. Soil Biology, 2013, , 289-307.	0.8	28
31	Evaluation of the removal of pathogens included in the Proposal for a European Directive on spreading of sludge on land during autothermal thermophilic aerobic digestion (ATAD). Chemical Engineering Journal, 2012, 198-199, 171-179.	12.7	20
32	Mycorrhiza-Induced Resistance and Priming of Plant Defenses. Journal of Chemical Ecology, 2012, 38, 651-664.	1.8	757
33	Interaction between arbuscular mycorrhizal fungi and Trichoderma harzianum under conventional and low input fertilization field condition in melon crops: Growth response and Fusarium wilt biocontrol. Applied Soil Ecology, 2011, 47, 98-105.	4.3	66
34	The interaction with arbuscular mycorrhizal fungi or Trichoderma harzianum alters the shoot hormonal profile in melon plants. Phytochemistry, 2011, 72, 223-229.	2.9	90
35	<i>Trichoderma harzianum</i> and <i>Glomus intraradices</i> Modify the Hormone Disruption Induced by <i>Fusarium oxysporum</i> Infection in Melon Plants. Phytopathology, 2010, 100, 682-688.	2.2	54
36	Interactions between arbuscular mycorrhizal fungi and <i>Trichoderma harzianum</i> and their effects on Fusarium wilt in melon plants grown in seedling nurseries. Journal of the Science of Food and Agriculture, 2009, 89, 1843-1850.	3.5	66

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37	Performance of a Trichoderma harzianum Bentoniteâ€“vermiculite Formulation Against Fusarium Wilt in Seedling Nursery Melon Plants. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 2025-2027.	1.0	32