

Melina Lopez-Meyer

List of Publications by Year in descending order

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36
papers

1,624
citations

471509

17
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2201
citing authors

#	ARTICLE	IF	CITATIONS
1	Arbuscular mycorrhizal symbiosis is accompanied by local and systemic alterations in gene expression and an increase in disease resistance in the shoots. <i>Plant Journal</i> , 2007, 50, 529-544.	5.7	430
2	The <i>Medicago truncatula</i> ortholog of Arabidopsis EIN2, <i>sickle</i> , is a negative regulator of symbiotic and pathogenic microbial associations. <i>Plant Journal</i> , 2008, 55, 580-595.	5.7	272
3	Tryptophan decarboxylase is encoded by two autonomously regulated genes in <i>Camptotheca acuminata</i> which are differentially expressed during development and stress. <i>Plant Journal</i> , 1997, 11, 1167-1175.	5.7	103
4	Sites of Accumulation of the Antitumor Alkaloid Camptothecin in <i>Camptotheca acuminata</i> . <i>Planta Medica</i> , 1994, 60, 558-560.	1.3	95
5	Rhizospheric bacteria of maize with potential for biocontrol of <i>Fusarium verticillioides</i> . SpringerPlus, 2016, 5, 330.	1.2	75
6	Detailed monitoring of white spot syndrome virus (WSSV) in shrimp commercial ponds in Sinaloa, Mexico by nested PCR. <i>Aquaculture</i> , 2006, 251, 33-45.	3.5	63
7	Low temperature and ultraviolet-B radiation affect chlorophyll content and induce the accumulation of UV-B-absorbing and antioxidant compounds in bell pepper (<i>Capsicum annuum</i>) plants. <i>Environmental and Experimental Botany</i> , 2017, 139, 143-151.	4.2	62
8	Arsenate induces the expression of fungal genes involved in As transport in arbuscular mycorrhiza. <i>Fungal Biology</i> , 2011, 115, 1197-1209.	2.5	58
9	Plant and fungal biodiversity from metal mine wastes under remediation at Zimapan, Hidalgo, Mexico. <i>Environmental Pollution</i> , 2010, 158, 1922-1931.	7.5	55
10	Arbuscular Mycorrhizal Symbiosis-Induced Expression Changes in <i>Solanum lycopersicum</i> Leaves Revealed by RNA-seq Analysis. <i>Plant Molecular Biology Reporter</i> , 2016, 34, 89-102.	1.8	54
11	Effect of the medium pH on the release of secondary metabolites from roots of <i>Datura stramonium</i> , <i>Catharanthus roseus</i> , and <i>Tagetes patula</i> cultured in vitro. <i>Applied Biochemistry and Biotechnology</i> , 1993, 38, 257-267.	2.9	42
12	Probiotic microorganisms and antiviral plants reduce mortality and prevalence of WSSV in shrimp (<i>Litopenaeus vannamei</i>) cultured under laboratory conditions. <i>Aquaculture Research</i> , 2009, 40, 1481-1489.	1.8	42
13	<i>Trichoderma asperellum</i> ameliorates phytotoxic effects of copper in onion (<i>Allium cepa</i> L.). <i>Environmental and Experimental Botany</i> , 2017, 136, 85-93.	4.2	40
14	Molecular Analysis of a New Member of the Opium Poppy Tyrosine/3,4-Dihydroxyphenylalanine Decarboxylase Gene Family. <i>Plant Physiology</i> , 1996, 110, 43-49.	4.8	27
15	Mycorrhiza-induced protection against pathogens is both genotype-specific and graft-transmissible. <i>Symbiosis</i> , 2015, 66, 55-64.	2.3	26
16	Sustained Harvest of Camptothecin from the Leaves of <i>Camptotheca acuminata</i> . <i>Journal of Natural Products</i> , 1997, 60, 618-619.	3.0	22
17	A Simple and Efficient Protocol for Plant Regeneration and Genetic Transformation of Tomato cv. Micro-Tom from Leaf Explants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1655-1660.	1.0	22
18	Immunolocalization of vestitone reductase and isoflavone reductase, two enzymes involved in the biosynthesis of the phytoalexin medicarpin. <i>Physiological and Molecular Plant Pathology</i> , 2002, 61, 15-30.	2.5	14

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19	Immunolocalization of vestitone reductase and isoflavone reductase, two enzymes involved in the biosynthesis of the phytoalexin medicarpin. <i>Physiological and Molecular Plant Pathology</i> , 2002, 61, 15-30.	2.5	13
20	PvLOX2 silencing in common bean roots impairs arbuscular mycorrhiza-induced resistance without affecting symbiosis establishment. <i>Functional Plant Biology</i> , 2015, 42, 18.	2.1	13
21	Regulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase by wounding and methyl jasmonate. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 38, 351-356.	2.3	11
22	Arbuscular mycorrhizal symbiosis in <i>Stevia rebaudiana</i> increases trichome development, flavonoid and phenolic compound accumulation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 31, 101889.	3.1	11
23	Production of indole-3-acetic acid by <i>Bacillus circulans</i> E9 in a low-cost medium in a bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2022, 134, 21-28.	2.2	11
24	Enhanced specialized metabolite, trichome density, and biosynthetic gene expression in <i>Stevia rebaudiana</i> (Bertoni) Bertoni plants inoculated with endophytic bacteria <i>Enterobacter hormaechei</i> . <i>PeerJ</i> , 0, 10, e13675.	2.0	11
25	Recent introduction of <i>Gracilaria parvispora</i> (Gracilariales, Rhodophyta) in Baja California, Mexico. <i>Botanica Marina</i> , 2013, 56, .	1.2	10
26	Functional expression and subcellular localization of the <i>Nectria haematococca</i> Mak1 phytoalexin detoxification enzyme in transgenic tobacco. <i>Plant Molecular Biology</i> , 2001, 46, 421-432.	3.9	9
27	Pathogenicity of Microencapsulated Insecticide from <i>Beauveria bassiana</i> and <i>Metarhizium anisopliae</i> against Tobacco Budworm, <i>Heliothis virescens</i> (Fabricius). <i>Southwestern Entomologist</i> , 2015, 40, 531-538.	0.2	7
28	Photosynthetic performance and stevioside concentration are improved by the arbuscular mycorrhizal symbiosis in <i>Stevia rebaudiana</i> under different phosphate concentrations. <i>PeerJ</i> , 2020, 8, e10173.	2.0	7
29	Comparative proteomic analysis of leaf tissue from tomato plants colonized with <i>Rhizophagus irregularis</i> . <i>Symbiosis</i> , 2017, 73, 93-106.	2.3	6
30	Differentially regulated genes in <i>Solanum tuberosum</i> in response to Mexican potato purple top phytoplasma infection. <i>Physiological and Molecular Plant Pathology</i> , 2013, 81, 33-44.	2.5	5
31	Photosynthetic and respiratory responses of <i>Gracilaria parvispora</i> from the southeastern Gulf of California. <i>Journal of Applied Phycology</i> , 2013, 25, 1855-1861.	2.8	3
32	Arbuscular Mycorrhizal Symbiosis Leads to Differential Regulation of Genes and miRNAs Associated with the Cell Wall in Tomato Leaves. <i>Biology</i> , 2022, 11, 854.	2.8	3
33	Effect of CMC and MCC as Sole Carbon Sources on Cellulase Activity and <i>eglS</i> Gene Expression in Three <i>Bacillus subtilis</i> Strains Isolated from Corn Stover. <i>BioResources</i> , 2016, 12, .	1.0	2
34	Development of the arbuscular mycorrhizal symbiosis: insights from genomics. , 2007, , 201-224.		0
35	La aplicaci3n ex3gena de metil jasm3nico aumenta la defensa inducida por micorrizaci3n arbuscular contra <i>Sclerotinia sclerotiorum</i> en frijol. <i>Scientia Fungorum</i> , 0, 51, e1336.	0.3	0
36	ARBUSCULAR MYCORRHIZA SYMBIOSIS REDUCES THE RHIZOCTONIA ROOT ROT AND ALTERS THE PHENOLIC PROFILE IN COMMON BEAN. <i>Acta Biologica Colombiana</i> , 2022, 27, .	0.4	0