Ignacio E Maldonado-Mendoza

List of Publications by Year
in descending order

73 papers	2,841 citations	201674 27 h-index	175258 52 g-index
73 all docs	73 docs citations	73 times ranked	3086 citing authors

#	Article	IF	Citations
1	Agroecological management with intra- and interspecific diversification as an alternative to conventional soil nutrient management in family maize farming. Agroecology and Sustainable Food Systems, 2022, 46, 364-391.	1.9	3
2	Curvularia muehlenbeckiae causing leaf spot on Johnson grass in Mexico. Mycological Progress, 2022, 21, 1.	1.4	0
3	First report of stem blight and leaf spot in horse purslane caused by Gibbago trianthemae in Sinaloa, Mexico. Canadian Journal of Plant Pathology, 2021, 43, 431-438.	1.4	2
4	Biochemical characterization of two chitinases from Bacillus cereus sensu lato B25 with antifungal activity against Fusarium verticillioides P03. FEMS Microbiology Letters, 2021, 368, .	1.8	7
5	Moringa straw as cellulase production inducer and cellulolytic fungi source. Revista Argentina De Microbiologia, 2020, 52, 4-12.	0.7	22
6	Maize genetic diversity in traditionally cultivated polycultures in an isolated rural community in Mexico: implications for management and sustainability. Plant Ecology and Diversity, 2020, 13, 15-28.	2.4	4
7	Valorisation of agroindustrial residues acid hydrolyzates as carbon sources for ethanol production by native yeast strains with different fermentative capabilities//ValorizaciÃ³n de hidrolizados Ã¡cidos de residuos agroindustriales como fuente de carbono para la producciÃ³n de etanol por levaduras nativas con capacidades fermentativas diferentes. Biotecnia, 2020, 22, 78-87.	0.3	0
8	Transformation of the rhizospheric Bacillus cereus sensu lato B25 strain using a room-temperature electrocompetent cells preparation protocol. Plasmid, 2019, 105, 102435.	1.4	4
9	Powdery mildew caused by Golovinomyces spadiceus on wild sunflower in Sinaloa, Mexico. Canadian Journal of Plant Pathology, 2019, 41, 301-309.	1.4	5
10	Prevalence and characterization of Listeria monocytogenes isolated from pork meat and on inert surfaces. Brazilian Journal of Microbiology, 2019, 50, 817-824.	2.0	11
11	First report of sesame spot caused by Xanthomonas campestris pv. sesami in Sinaloa, Mexico. Canadian Journal of Plant Pathology, 2019, 41, 296-300.	1.4	0
12	Phytoremediation assisted by mycorrhizal fungi of a Mexican defunct lead-acid battery recycling site. Science of the Total Environment, 2019, 650, 3134-3144.	8.0	28
13	Exploring plant root-fungal interactions in a neotropical freshwater wetland. Botanical Sciences, 2019, 97, 661-674.	0.8	3
14	In vitro Antifungal Effect of Mangrove extracts on Fusarium verticillioides Isolates. Indian Journal of Pharmaceutical Sciences, 2019, 81, .	1.0	3
15	Genomic Analysis of Bacillus sp. Strain B25, a Biocontrol Agent of Maize Pathogen Fusarium verticillioides. Current Microbiology, 2018, 75, 247-255.	2.2	40
16	RiArsB and RiMT-11: Two novel genes induced by arsenate in arbuscular mycorrhiza. Fungal Biology, 2018, 122, 121-130.	2.5	13
17	â€œDiabetes and Metabolism Disorders Medicinal Plants: A Glance at the Past and a Look to the Future 2018â€: Antihyperglycemic Activity ofHamelia patensJacq. Extracts. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-9.	1.2	7
18	Comparative proteomic analysis of leaf tissue from tomato plants colonized with Rhizophagus irregularis. Symbiosis, 2017, 73, 93-106.	2.3	6

#	Article	IF	Citations
19	First Report of Slippery Skin Caused by Burkholderia gladioli in Stored Onion Bulbs in Mexico. Plant Disease, 2017, 101, 1030-1030.	1.4	5
20	A Transcriptional Program for Arbuscule Degeneration during AM Symbiosis Is Regulated by MYB1. Current Biology, 2017, 27, 1206-1212.	3.9	110
21	Characterization of phosphate-solubilizing bacteria exhibiting the potential for growth promotion and phosphorus nutrition improvement in maize (Zea mays L.) in calcareous soils of Sinaloa, Mexico. Annals of Microbiology, 2017, 67, 801-811.	2.6	30
22	Pathogenic and genetic variability of Fusarium verticillioides from maize in northern Mexico. Canadian Journal of Plant Pathology, 2017, 39, 486-496.	1.4	6
23	Las cenicillas en cultivos agrÃ¢colas de Sinaloa: SituaciÃ³n actual sobre su identificaciÃ³n y lÃ¬neas futuras de investigaciÃ³n. Revista Mexicana De Fitopatologia, 2017, 35, .	0.1	3
24	Development of a powder formulation based on Bacillus cereus sensu lato strain B25 spores for biological control of Fusarium verticillioides in maize plants. World Journal of Microbiology and Biotechnology, 2016, 32, 75.	3.6	41
25	Identification of Pseudomonas syringae pv. phaseolicola as the causal agent of halo blight in yellow beans in northern Sinaloa, Mexico. Phytoparasitica, 2016, 44, 369-378.	1.2	6
26	Rhizospheric bacteria of maize with potential for biocontrol of Fusarium verticillioides. SpringerPlus, 2016, 5, 330.	1.2	75
27	Arbuscular Mycorrhizal Symbiosis-Induced Expression Changes in Solanum lycopersicum Leaves Revealed by RNA-seq Analysis. Plant Molecular Biology Reporter, 2016, 34, 89-102.	1.8	54
28	Bacillus cereus sensu lato strain B25 controls maize stalk and ear rot in Sinaloa, Mexico. Field Crops Research, 2015, 176, 11-21.	5.1	27
29	Fusarium Species from the Fusarium fujikuroi Species Complex Involved in Mixed Infections of Maize in Northern Sinaloa, Mexico. Journal of Phytopathology, 2015, 163, 486-497.	1.0	39
30	Mycorrhiza-induced protection against pathogens is both genotype-specific and graft-transmissible. Symbiosis, 2015, 66, 55-64.	2.3	26
31	PvLOX2 silencing in common bean roots impairs arbuscular mycorrhiza-induced resistance without affecting symbiosis establishment. Functional Plant Biology, 2015, 42, 18.	2.1	13
32	Glomeromycota associated with Mexican native maize landraces in Los Tuxtlas, Mexico. Applied Soil Ecology, 2015, 87, 63-71.	4.3	24
33	The pecan nut (Carya illinoinensis) and its oil and polyphenolic fractions differentially modulate lipid metabolism and the antioxidant enzyme activities in rats fed high-fat diets. Food Chemistry, 2015, 168, 529-537.	8.2	62
34	Localization and speciation of arsenic in Glomus intraradices by synchrotron radiation spectroscopic analysis. Fungal Biology, 2014, 118, 444-452.	2.5	30
35	Native maize landraces from Los Tuxtlas, Mexico show varying mycorrhizal dependency for P uptake. Biology and Fertility of Soils, 2014, 50, 405-414.	4.3	43
36	A highâ€throughput screening assay to identify bacterial antagonists against Fusarium verticillioides. Journal of Basic Microbiology, 2014, 54, S125-33.	3.3	23

#	Article	IF	Citations
37	IAA-producing rhizobacteria from chickpea (Cicer arietinumL.) induce changes in root architecture and increase root biomass. Canadian Journal of Microbiology, 2014, 60, 639-648.	1.7	33
38	Genome distribution and validation of novel microsatellite markers of Fusarium verticillioides and their transferability to other Fusarium species. Journal of Microbiological Methods, 2014, 101, 18-23.	1.6	19
39	First Report of Powdery Mildew (Podosphaera pannosa) of Roses in Sinaloa, Mexico. Plant Disease, 2014, 98, 1442-1442.	1.4	7
40	Arbuscular mycorrhizal root colonization and soil P availability are positively related to agrodiversity in Mexican maize polycultures. Biology and Fertility of Soils, 2013, 49, 201-212.	4.3	13
41	Native soil bacteria isolates in Mexico exhibit a promising antagonistic effect against Fusarium oxysporum f. sp. radicisâ€lycopersici. Journal of Basic Microbiology, 2013, 53, 838-847.	3.3	10
42	Loss of arbuscular mycorrhizal fungal diversity in trap cultures during long-term subculturing. IMA Fungus, 2013, 4, 161-167.	3.8	27
43	First Report of Powdery Mildew (Pseudoidium anacardii) of Mango Trees in Sinaloa, Mexico. Plant Disease, 2013, 97, 994-994.	1.4	6
44	Biochemical and Molecular Analysis of Some Commercial Samples of Chilli Peppers from Mexico. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	28
45	Research on arbuscular mycorrhizae in Mexico: an historical synthesis and future prospects. Symbiosis, 2012, 57, 111-126.	2.3	26
46	Halo-spot and external stem necrosis of tomato caused by Pseudomonas syringae in Sinaloa, Mexico. Phytoparasitica, 2012, 40, 403-412.	1.2	0
47	Microorganismos asociados a la rizosfera de jitomate en un agroecosistema del valle de Guasave, Sinaloa, MÃ©xico. Revista Mexicana De Biodiversidad, 2012, 83, .	0.4	7
48	Screening for potential probiotic bacteria to reduce prevalence of WSSV and IHHNV in whiteleg shrimp (Litopenaeus vannamei) under experimental conditions. Aquaculture, 2011, 322-323, 16-22.	3.5	56
49	Arsenate induces the expression of fungal genes involved in As transport in arbuscular mycorrhiza. Fungal Biology, 2011, 115, 1197-1209.	2.5	58
50	Plant and fungal biodiversity from metal mine wastes under remediation at Zimapan, Hidalgo, Mexico. Environmental Pollution, 2010, 158, 1922-1931.	7.5	55
51	Development of the arbuscular mycorrhizal symbiosis: insights from genomics. , 2007, , 201-224.		0
52	Arbuscular mycorrhizal symbiosis is accompanied by local and systemic alterations in gene expression and an increase in disease resistance in the shoots. Plant Journal, 2007, 50, 529-544.	5.7	430
53	Expression of a xyloglucan endotransglucosylase/hydrolase gene, Mt-XTH1, from Medicago truncatula is induced systemically in mycorrhizal roots. Gene, 2005, 345, 191-197.	2.2	53
54	Expression of alkaline phosphatase genes in arbuscular mycorrhizas. New Phytologist, 2004, 162, 525-534.	7.3	59

#	Article	IF	Citations
55	Methods to estimate the proportion of plant and fungal RNA in an arbuscular mycorrhiza. Mycorrhiza, 2002, 12, 67-74.	2.8	31
56	A Phosphate Transporter Gene from the Extra-Radical Mycelium of an Arbuscular Mycorrhizal Fungus Glomus intraradices Is Regulated in Response to Phosphate in the Environment. Molecular Plant-Microbe Interactions, 2001, 14, 1140-1148.	2.6	261
57	Transformation of Medicago truncatula via infiltration of seedlings or flowering plants with Agrobacterium. Plant Journal, 2000, 22, 531-541.	5.7	233
58	Novel Genes Induced During an Arbuscular Mycorrhizal (AM) Symbiosis Formed Between Medicago truncatula and Glomus versiforme. Molecular Plant-Microbe Interactions, 1999, 12, 171-181.	2.6	78
59	Title is missing!. Plant Cell, Tissue and Organ Culture, 1998, 54, 123-130.	2.3	19
60	Molecular characterization of three differentially expressed members of the Camptotheca acuminata 3-hydroxy-3-methylglutaryl CoA reductase (HMGR) gene family. Plant Molecular Biology, 1997, 34, 781-790.	3.9	41
61	Molecular characterization of the AP19 gene family in Arabidopsis thaliana: components of the Golgi AP-1 clathrin assembly protein complex. , 1997, 35, 865-872.		8
62	Cloning and expression of a plant homologue of the small subunit of the Golgi-associated clathrin assembly protein AP19 from Camptotheca acuminata. Plant Molecular Biology, 1996, 32, 1149-1153.	3.9	16
63	Molecular Analysis of a New Member of the Opium Poppy Tyrosine/3,4-Dihydroxyphenylalanine Decarboxylase Gene Family. Plant Physiology, 1996, 110, 43-49.	4.8	27
64	Establishment and characterization of photosynthetic hairy root cultures of Datura stramonium. Plant Cell, Tissue and Organ Culture, 1995, 40, 197-208.	2.3	28
65	Regulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase by wounding and methyl jasmonate. Plant Cell, Tissue and Organ Culture, 1994, 38, 351-356.	2.3	11
66	Regulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase by wounding and methyl jasmonate. , 1994, , 351-356.		1
67	Effect of the medium pH on the release of secondary metabolites from roots ofDatura stramonium, Catharanthus roseus, andTagetes patula cultured in vitro. Applied Biochemistry and Biotechnology, 1993, 38, 257-267.	2.9	42
68	Establishment of hairy root cultures ofDatura stramonium. Characterization and stability of tropane alkaloid production during long periods of subculturing. Plant Cell, Tissue and Organ Culture, 1993, 33, 321-329.	2.3	69
69	Green Roots: Photosynthesis and Photoautotrophy in an Underground Plant Organ. Plant Physiology, 1993, 101, 363-371.	4.8	94
70	Expression of a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Gene from Camptotheca acuminata Is Differentially Regulated by Wounding and Methyl Jasmonate. Plant Physiology, 1993, 103, 41-48.	4.8	72
71	Nucleotide Sequence of a cDNA Encoding 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase from Catharanthus roseus. Plant Physiology, 1992, 100, 1613-1614.	4.8	74
72	Quantitative analysis of serpentine and ajmalicine in plant tissues ofCatharanthus roseus and hyoscyamine and scopolamine in root tissues ofDatura stramonium by thin layer chromatography-densitometry. Phytochemical Analysis, 1992, 3, 117-121.	2.4	50

#	Article	IF	Citations
73	Tropane alkaloid production inDatura stramonium root cultures. In Vitro Cellular and Developmental Biology - Plant, 1992, 28, 67-72.	2.1	24