JesÃºs MuÃ±oz-Rojas

List of Publications by Year
in descending order

32 papers	1,146 citations	471061 17 h-index	433756 31 g-index
36 all docs	36 docs citations	36 times ranked	1568 citing authors

#	Article	IF	Citations
1	Solvent tolerance in Gram-negative bacteria. Current Opinion in Biotechnology, 2012, 23, 415-421.	3.3	169
2	Next generation of microbial inoculants for agriculture and bioremediation. Microbial Biotechnology, 2017, 10, 19-21.	2.0	107
3	Compatible bacterial mixture, tolerant to desiccation, improves maize plant growth. PLoS ONE, 2017, 12, e0187913.	1.1	106
4	A Pseudomonas putida cardiolipin synthesis mutant exhibits increased sensitivity to drugs related to transport functionality. Environmental Microbiology, 2007, 9, 1135-1145.	1.8	93
5	Population Dynamics of Gluconacetobacter diazotrophicus in Sugarcane Cultivars and Its Effect on Plant Growth. Microbial Ecology, 2003, 46, 454-464.	1.4	86
6	Involvement of Cyclopropane Fatty Acids in the Response of Pseudomonas putida KT2440 to Freeze-Drying. Applied and Environmental Microbiology, 2006, 72, 472-477.	1.4	84
7	Specific gammaâ€aminobutyrate chemotaxis in pseudomonads with different lifestyle. Molecular Microbiology, 2015, 97, 488-501.	1.2	67
8	Chromium Hyper-Tolerant Bacillus sp. MH778713 Assists Phytoremediation of Heavy Metals by Mesquite Trees (Prosopis laevigata). Frontiers in Microbiology, 2019, 10, 1833.	1.5	56
9	Rhizoremediation of lindane by rootâ€colonizing Sphingomonas. Microbial Biotechnology, 2008, 1, 87-93.	2.0	50
10	The RpoT Regulon of Pseudomonas putida DOT-T1E and Its Role in Stress Endurance against Solvents. Journal of Bacteriology, 2007, 189, 207-219.	1.0	44
11	Culturable Facultative Methylotrophic Bacteria from the Cactus <i>Neobuxbaumia macrocephala</i> Possess the Locus <i>xoxF</i> and Consume Methanol in the Presence of Ce³⁺ and Ca²⁺. Microbes and Environments, 2017, 32, 244-251.	0.7	33
12	The importance of antimicrobial compounds produced by beneficial bacteria on the biocontrol of phytopathogens. Acta Biologica Colombiana, 2020, 25, 140-154.	0.1	32
13	Antagonism among Gluconacetobacter diazotrophicus strains in culture media and in endophytic association. FEMS Microbiology Ecology, 2005, 54, 57-66.	1.3	28
14	A Bacterial Consortium Interacts With Different Varieties of Maize, Promotes the Plant Growth, and Reduces the Application of Chemical Fertilizer Under Field Conditions. Frontiers in Sustainable Food Systems, 2021, 4, .	1.8	23
15	Tatumella ptyseos, an Unrevealed Causative Agent of Pink Disease in Pineapple. Journal of Phytopathology, 2010, 158, 93-99.	0.5	19
16	Structural characterization of scorpion peptides and their bactericidal activity against clinical isolates of multidrug-resistant bacteria. PLoS ONE, 2019, 14, e0222438.	1.1	19
17	Desiccation-induced viable but nonculturable state in Pseudomonas putida KT2440, a survival strategy. PLoS ONE, 2019, 14, e0219554.	1.1	17
18	Growth response of maize plantlets inoculated with Enterobacter spp., as a model for alternative agriculture. Revista Argentina De Microbiologia, 2011, 43, 287-93.	0.4	17

#	Article	IF	Citations
19	Long-Chain Hydrocarbons (C21, C24, and C31) Released by Bacillus sp. MH778713 Break Dormancy of Mesquite Seeds Subjected to Chromium Stress. Frontiers in Microbiology, 2020, 11, 741.	1.5	14
20	Application of Bipartite Networks to the Study of Water Quality. Sustainability, 2020, 12, 5143.	1.6	11
21	The decrease in the population of Gluconacetobacter diazotrophicus in sugarcane after nitrogen fertilization is related to plant physiology in split root experiments. Revista Argentina De Microbiologia, 2015, 47, 335-343.	0.4	10
22	Antagonistic interactions among bacteria inhabiting pineapple. Applied Soil Ecology, 2012, 61, 230-235.	2.1	9
23	Diversity and phenotypic analyses of salt- and heat-tolerant wild bean Phaseolus filiformis rhizobia native of a sand beach in Baja California and description of Ensifer aridi sp. nov.. Archives of Microbiology, 2020, 202, 309-322.	1.0	8
24	Bacterial Mixtures, the Future Generation of Inoculants for Sustainable Crop Production. Sustainable Development and Biodiversity, 2019, , 11-44.	1.4	7
25	Growth inhibition of pathogenic microorganisms by Pseudomonas protegens EMM-1 and partial characterization of inhibitory substances. PLoS ONE, 2020, 15, e0240545.	1.1	5
26	Influence of rehydration on transcriptome during resuscitation of desiccated Pseudomonas putida KT2440. Annals of Microbiology, 2020, 70, .	1.1	4
27	Loci identification of a N-acyl homoserine lactone type quorum sensing system and a new LysR-type transcriptional regulator associated with antimicrobial activity and swarming in Burkholderia gladioli UAPS07070. Open Life Sciences, 2019, 14, 165-178.	0.6	3
28	Identification of Klebsiella Variicola T29A Genes Involved In Tolerance To Desiccation. Open Microbiology Journal, 2019, 13, 256-267.	0.2	3
29	Importance of producing economic compounds to combat cancer. Microbial Biotechnology, 2017, 10, 683-684.	2.0	2
30	Aislamiento y selecciÃ³n de bacterias promotoras de crecimiento vegetal para su aplicaciÃ³n en especies forestales. Mexican Journal of Biotechnology, 2018, 3, 36-53.	0.2	1
31	APORTES Y DIFICULTADES DE LA METAGENÃ“MICA DE SUELOS Y SU IMPACTO EN LA AGRICULTURA.. Acta Biologica Colombiana, 2021, 26, 449-461.	0.1	0
32	Actividad antimicrobiana del aceite de naranja residual. Cuadernos De InvestigaciÃ³n UNED, 2018, 10, 469-474.	0.1	0