Esther Menendez

List of Publications by Year
in descending order

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57 papers	1,204 citations	489802 18 h-index	488211 31 g-index
75 all docs	75 docs citations	75 times ranked	1412 citing authors

#	Article	IF	Citations
1	Laser Microdissection of Specific Stem-Base Tissue Types from Olive Microcuttings for Isolation of High-Quality RNA. Biology, 2021, 10, 209.	1.3	4
2	Rhizobium Presence and Functions in Microbiomes of Non-leguminous Plants. Soil Biology, 2021, , 241-266.	0.6	7
3	High-throughput molecular technologies for unraveling the mystery of soil microbial community: challenges and future prospects. Heliyon, 2021, 7, e08142.	1.4	24
4	Approaches for the amelioration of adverse effects of drought stress on crop plants. Frontiers in Bioscience, 2021, 26, 928.	0.8	18
5	Role of QseG membrane protein in beneficial enterobacterial interactions with plants and Mesorhizobia. Journal of Plant Interactions, 2021, 16, 510-521.	1.0	2
6	Biological Activity of Plant Essential Oils against Fusarium circinatum. , 2021, 13, .		0
7	History and current taxonomic status of genus Agrobacterium. Systematic and Applied Microbiology, 2020, 43, 126046.	1.2	41
8	Selection of the Root Endophyte Pseudomonas brassicacearum CDVBN10 as Plant Growth Promoter for Brassica napus L. Crops. Agronomy, 2020, 10, 1788.	1.3	24
9	Is the Application of Plant Probiotic Bacterial Consortia Always Beneficial for Plants? Exploring Synergies between Rhizobial and Non-Rhizobial Bacteria and Their Effects on Agro-Economically Valuable Crops. Life, 2020, 10, 24.	1.1	33
10	Plant Growth Promotion Abilities of Phylogenetically Diverse Mesorhizobium Strains: Effect in the Root Colonization and Development of Tomato Seedlings. Microorganisms, 2020, 8, 412.	1.6	25
11	Genome Analysis of Endobacterium cerealis, a Novel Genus and Species Isolated from Zea mays Roots in North Spain. Microorganisms, 2020, 8, 939.	1.6	17
12	Knock, knock-let the bacteria in: enzymatic potential of plant associated bacteria. , 2020, , 169-178.		6
13	Agrobacterium cavarae sp. nov., isolated from maize (Zea mays L.) roots. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5512-5519.	0.8	6
14	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition. , 2019, , 79-104.		4
15	Actinobacteria and Their Role as Plant Probiotics. Soil Biology, 2019, , 333-351.	0.6	3
16	The N-fixing legume Periandra mediterranea constrains the invasion of an exotic grass (Melinis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.6	10
17	Legumes display common and host-specific responses to the rhizobial cellulase CelC2 during primary symbiotic infection. Scientific Reports, 2019, 9, 13907.	1.6	8
18	Mediterranean Native Leguminous Plants: A Reservoir of Endophytic Bacteria with Potential to Enhance Chickpea Growth under Stress Conditions. Microorganisms, 2019, 7, 392.	1.6	20

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19	Heterologous expression of nifA or nodD genes improves chickpea-Mesorhizobium symbiotic performance. Plant and Soil, 2019, 436, 607-621.	1.8	7
20	Diversity and Functionality of Culturable Endophytic Bacterial Communities in Chickpea Plants. Plants, 2019, 8, 42.	1.6	49
21	Future Perspective in Organic Farming Fertilization. , 2019, , 269-315.		8
22	Heterologous Expression of Rhizobial CelC2 Cellulase Impairs Symbiotic Signaling and Nodulation in Medicago truncatula. Molecular Plant-Microbe Interactions, 2018, 31, 568-575.	1.4	9
23	Probiotic activities of Rhizobium laguerreae on growth and quality of spinach. Scientific Reports, 2018, 8, 295.	1.6	50
24	On the bright side of a forest pest-the metabolic potential of bark beetles' bacterial associates. Science of the Total Environment, 2018, 619-620, 9-17.	3.9	25
25	Biofertilizers Based on Bacterial Endophytes Isolated from Cereals: Potential Solution to Enhance These Crops. , 2018, , 175-203.		5
26	Mesorhizobium bacterial strains isolated from the legume Lotus corniculatus are an alternative source for the production of polyhydroxyalkanoates (PHAs) to obtain bioplastics. Environmental Science and Pollution Research, 2017, 24, 17436-17445.	2.7	5
27	Recent Advances in the Active Biomolecules Involved in Rhizobia-Legume Symbiosis. , 2017, , 45-74.		7
28	Bacterial Probiotics: A Truly Green Revolution. , 2017, , 131-162.		14
29	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
30	Invasion of the Brazilian campo rupestre by the exotic grass Melinis minutiflora is driven by the high soil N availability and changes in the N cycle. Science of the Total Environment, 2017, 577, 202-211.	3.9	24
31	Brevundimonas canariensis sp. nov., isolated from roots of Triticum aestivum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 969-973.	0.8	14
32	Mesorhizobium helmanticense sp. nov., isolated from Lotus corniculatus nodules. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2301-2305.	0.8	21
33	Rhizobium zeae sp. nov., isolated from maize (Zea mays L.) roots. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2306-2311.	0.8	22
34	Plant probiotic bacteria: solutions to feed the world. AIMS Microbiology, 2017, 3, 502-524.	1.0	48
35	Plant probiotic bacteria: solutions to feed the world. AIMS Microbiology, 2017, 3, 747-748.	1.0	7
36	Paenibacillus tritici sp. nov., isolated from wheat roots. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2312-2316.	0.8	9

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37	Rhizobium Symbiotic Enzyme Cellulase CelC2: Properties and Applications. , 2016, , 81-89.		2
38	Rhizobial Biofertilizers for Ornamental Plants. , 2016, , 13-21.		3
39	Rhizobium as Potential Biofertilizer of Eruca Sativa. , 2016, , 213-220.		5
40	Analysis of the PGPB Potential of Bacterial Endophytes Associated with Maize. , 2016, , 23-35.		5
41	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from LeÃ³n Province in Mainland Spain. , 2016, , 45-53.		5
42	Effective Colonization of Spinach Root Surface by Rhizobium. , 2016, , 109-122.		8
43	Paenibacillus periandrae sp. nov., isolated from nodules of Periandra mediterranea. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1838-1843.	0.8	16
44	Paenibacillus hispanicus sp. nov. isolated from Triticum aestivum roots. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4628-4632.	0.8	16
45	Identification of Human Pathogenic Bacteria in Plant Roots by Using MALDI-TOF MS Methodology. , 2016, , 3-12.		0
46	Pseudomonas coleopterorum sp. nov., a cellulase-producing bacterium isolated from the bark beetle Hylesinus fraxini. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2852-2858.	0.8	50
47	Rhizobium cellulosilyticum as a co-inoculant enhances Phaseolus vulgaris grain yield under greenhouse conditions. Symbiosis, 2015, 67, 135-141.	1.2	11
48	Rhizobium as plant probiotic for strawberry production under microcosm conditions. Symbiosis, 2015, 67, 25-32.	1.2	18
49	The high diversity of Lotus corniculatus endosymbionts in soils of northwest Spain. Symbiosis, 2015, 67, 11-20.	1.2	16
50	Cicer canariense, an endemic legume to the Canary Islands, is nodulated in mainland Spain by fast-growing strains from symbiovar trifolii phylogenetically related to Rhizobium leguminosarum. Systematic and Applied Microbiology, 2015, 38, 346-350.	1.2	8
51	Biotechnological applications of bacterial cellulases. AIMS Bioengineering, 2015, 2, 163-182.	0.6	50
52	Role of bacterial biofertilizers in agriculture and forestry. AIMS Bioengineering, 2015, 2, 183-205.	0.6	222
53	Calcofluor white, an Alternative to Propidium Iodide for Plant Tissues Staining in Studies of Root Colonization by Fluorescent-tagged Rhizobia. Journal of Advances in Biology & Biotechnology, 2015, 2, 65-70.	0.2	9
54	Molecular characterization of Quercus suber MYB1, a transcription factor up-regulated in cork tissues. Journal of Plant Physiology, 2013, 170, 172-178.	1.6	31

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55	Use of Rhizobium leguminosarum as a potential biofertilizer for Lactuca sativa and Daucus carota crops. Journal of Plant Nutrition and Soil Science, 2013, 176, 876-882.	1.1	99
56	A ClpB Chaperone Knockout Mutant of Mesorhizobium ciceri Shows a Delay in the Root Nodulation of Chickpea Plants. Molecular Plant-Microbe Interactions, 2012, 25, 1594-1604.	1.4	23
57	Unlocking rhizospheric bacteria secondary metabolism: genome analysis for the discovery of novel antimicrobial compounds. , 0, , .		0