

Esther Menendez

List of Publications by Year in descending order

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57
papers

1,204
citations

430874

18
h-index

434195

31
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75
all docs

75
docs citations

75
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser Microdissection of Specific Stem-Base Tissue Types from Olive Microcuttings for Isolation of High-Quality RNA. <i>Biology</i> , 2021, 10, 209.	2.8	4
2	Rhizobium Presence and Functions in Microbiomes of Non-leguminous Plants. <i>Soil Biology</i> , 2021, , 241-266.	0.8	7
3	High-throughput molecular technologies for unraveling the mystery of soil microbial community: challenges and future prospects. <i>Heliyon</i> , 2021, 7, e08142.	3.2	24
4	Approaches for the amelioration of adverse effects of drought stress on crop plants. <i>Frontiers in Bioscience</i> , 2021, 26, 928.	2.1	18
5	Role of QseG membrane protein in beneficial enterobacterial interactions with plants and <i>Mesorhizobium</i> . <i>Journal of Plant Interactions</i> , 2021, 16, 510-521.	2.1	2
6	Biological Activity of Plant Essential Oils against <i>Fusarium circinatum</i> . , 2021, 13, .		0
7	History and current taxonomic status of genus <i>Agrobacterium</i> . <i>Systematic and Applied Microbiology</i> , 2020, 43, 126046.	2.8	41
8	Selection of the Root Endophyte <i>Pseudomonas brassicacearum</i> CDVBN10 as Plant Growth Promoter for <i>Brassica napus</i> L. <i>Crops. Agronomy</i> , 2020, 10, 1788.	3.0	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. <i>Life</i> , 2020, 10, 24.	2.4	33
10	Plant Growth Promotion Abilities of Phylogenetically Diverse <i>Mesorhizobium</i> Strains: Effect in the Root Colonization and Development of Tomato Seedlings. <i>Microorganisms</i> , 2020, 8, 412.	3.6	25
11	Genome Analysis of <i>Endobacterium cerealis</i> , a Novel Genus and Species Isolated from <i>Zea mays</i> Roots in North Spain. <i>Microorganisms</i> , 2020, 8, 939.	3.6	17
12	Knock, knock-let the bacteria in: enzymatic potential of plant associated bacteria. , 2020, , 169-178.		6
13	<i>Agrobacterium cavarae</i> sp. nov., isolated from maize (<i>Zea mays</i> L.) roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5512-5519.	1.7	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. <i>Soil Biology</i> , 2019, , 333-351.	0.8	3
16	The N-fixing legume <i>Periandra mediterranea</i> constrains the invasion of an exotic grass (<i>Melinis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.3	10
17	Legumes display common and host-specific responses to the rhizobial cellulase CelC2 during primary symbiotic infection. <i>Scientific Reports</i> , 2019, 9, 13907.	3.3	8
18	Mediterranean Native Leguminous Plants: A Reservoir of Endophytic Bacteria with Potential to Enhance Chickpea Growth under Stress Conditions. <i>Microorganisms</i> , 2019, 7, 392.	3.6	20

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19	Heterologous expression of nifA or nodD genes improves chickpea-Mesorhizobium symbiotic performance. <i>Plant and Soil</i> , 2019, 436, 607-621.	3.7	7
20	Diversity and Functionality of Culturable Endophytic Bacterial Communities in Chickpea Plants. <i>Plants</i> , 2019, 8, 42.	3.5	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 <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 568-575.	2.6	9
23	Probiotic activities of <i>Rhizobium laguerreae</i> on growth and quality of spinach. <i>Scientific Reports</i> , 2018, 8, 295.	3.3	50
24	On the bright side of a forest pest-the metabolic potential of bark beetles' bacterial associates. <i>Science of the Total Environment</i> , 2018, 619-620, 9-17.	8.0	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 <i>Lotus corniculatus</i> are an alternative source for the production of polyhydroxyalkanoates (PHAs) to obtain bioplastics. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17436-17445.	5.3	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 <i>Melinis minutiflora</i> is driven by the high soil N availability and changes in the N cycle. <i>Science of the Total Environment</i> , 2017, 577, 202-211.	8.0	24
31	<i>Brevundimonas canariensis</i> sp. nov., isolated from roots of <i>Triticum aestivum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 969-973.	1.7	14
32	<i>Mesorhizobium helmanticense</i> sp. nov., isolated from <i>Lotus corniculatus</i> nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2301-2305.	1.7	21
33	<i>Rhizobium zeae</i> sp. nov., isolated from maize (<i>Zea mays</i> L.) roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2306-2311.	1.7	22
34	Plant probiotic bacteria: solutions to feed the world. <i>AIMS Microbiology</i> , 2017, 3, 502-524.	2.2	48
35	Plant probiotic bacteria: solutions to feed the world. <i>AIMS Microbiology</i> , 2017, 3, 747-748.	2.2	7
36	<i>Paenibacillus tritici</i> sp. nov., isolated from wheat roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2312-2316.	1.7	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 León 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.	1.7	16
44	Paenibacillus hispanicus sp. nov. isolated from Triticum aestivum roots. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4628-4632.	1.7	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.	1.7	50
47	Rhizobium cellulolyticum as a co-inoculant enhances Phaseolus vulgaris grain yield under greenhouse conditions. Symbiosis, 2015, 67, 135-141.	2.3	11
48	Rhizobium as plant probiotic for strawberry production under microcosm conditions. Symbiosis, 2015, 67, 25-32.	2.3	18
49	The high diversity of Lotus corniculatus endosymbionts in soils of northwest Spain. Symbiosis, 2015, 67, 11-20.	2.3	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.	2.8	8
51	Biotechnological applications of bacterial cellulases. AIMS Bioengineering, 2015, 2, 163-182.	1.1	50
52	Role of bacterial biofertilizers in agriculture and forestry. AIMS Bioengineering, 2015, 2, 183-205.	1.1	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.	3.5	31

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55	Use of <i>Rhizobium leguminosarum</i> as a potential biofertilizer for <i>Lactuca sativa</i> and <i>Daucus carota</i> crops. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 876-882.	1.9	99
56	A ClpB Chaperone Knockout Mutant of <i>Mesorhizobium ciceri</i> Shows a Delay in the Root Nodulation of Chickpea Plants. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1594-1604.	2.6	23
57	Unlocking rhizospheric bacteria secondary metabolism: genome analysis for the discovery of novel antimicrobial compounds. , 0, , .		0