

Milagros Leon-Barrios

List of Publications by Year in descending order

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33
papers

1,201
citations

331670

21
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Alteration of soil rhizobial populations by rabbit latrines could impair symbiotic nitrogen fixation in the insular alpine ecosystem of Teide National Park. <i>Applied Soil Ecology</i> , 2021, 160, 103850.	4.3	5
2	Applying Agronomic Principles of Rhizobial Inoculation to the Conservation of a Keystone Legume Species in a High Mountain Ecosystem on an Oceanic Island. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	3
3	Definition of the novel symbiovar canariense within <i>Mesorhizobium neociceri</i> sp. nov., a new species of genus <i>Mesorhizobium</i> nodulating <i>Cicer canariense</i> in the "Caldera de Taburiente" National Park (La Tj ETQq1s1 0.784314 rgB	1.7	14
4	Evaluating Different Methodologies for Bioprospecting Actinomycetes in Canary Islands Soils. <i>Current Microbiology</i> , 2020, 77, 2510-2522.	2.2	3
5	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
6	The Soil Microbiome of the Laurel Forest in Garajonay National Park (La Gomera, Canary Islands): Comparing Unburned and Burned Habitats after a Wildfire. <i>Forests</i> , 2019, 10, 1051.	2.1	14
7	The Rhizobia-Lotus Symbioses: Deeply Specific and Widely Diverse. <i>Frontiers in Microbiology</i> , 2018, 9, 2055.	3.5	34
8	<i>Phyllobacterium salinisoli</i> sp. nov., isolated from a <i>Lotus lancerottensis</i> root nodule in saline soil from Lanzarote. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1085-1089.	1.7	20
9	Alkalinity of Lanzarote soils is a factor shaping rhizobial populations with <i>Sinorhizobium meliloti</i> being the predominant microsymbiont of <i>Lotus lancerottensis</i> . <i>Systematic and Applied Microbiology</i> , 2017, 40, 171-178.	2.8	3
10	High-quality draft genome sequence of <i>Ensifer meliloti</i> Mlalz-1, a microsymbiont of <i>Medicago laciniata</i> (L.) miller collected in Lanzarote, Canary Islands, Spain. <i>Standards in Genomic Sciences</i> , 2017, 12, 58.	1.5	0
11	<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
12	Symbiovar <i>loti</i> genes are widely spread among <i>Cicer canariense</i> mesorhizobia, resulting in symbiotically effective strains. <i>Plant and Soil</i> , 2016, 398, 25-33.	3.7	4
13	Reclassification of strains MAFF 303099T and R7A into <i>Mesorhizobium japonicum</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4936-4941.	1.7	52
14	<i>Cicer canariense</i> , an endemic legume to the Canary Islands, is nodulated in mainland Spain by fast-growing strains from symbiovar <i>trifolii</i> phylogenetically related to <i>Rhizobium leguminosarum</i> . <i>Systematic and Applied Microbiology</i> , 2015, 38, 346-350.	2.8	8
15	Revision of the taxonomic status of type strains of <i>Mesorhizobium loti</i> and reclassification of strain USDA 3471T as the type strain of <i>Mesorhizobium erdmanii</i> sp. nov. and ATCC 33669T as the type strain of <i>Mesorhizobium jarvisii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1703-1708.	1.7	47
16	Inhibition of Bacterial Quorum Sensing by Extracts from Aquatic Fungi: First Report from Marine Endophytes. <i>Marine Drugs</i> , 2014, 12, 5503-5526.	4.6	68
17	Core and symbiotic genes reveal nine <i>Mesorhizobium</i> genospecies and three symbiotic lineages among the rhizobia nodulating <i>Cicer canariense</i> in its natural habitat (La Palma, Canary Islands). <i>Systematic and Applied Microbiology</i> , 2014, 37, 140-148.	2.8	32
18	Evaluation of seven housekeeping genes for multilocus sequence analysis of the genus <i>Mesorhizobium</i> : Resolving the taxonomic affiliation of the <i>Cicer canariense</i> rhizobia. <i>Systematic and Applied Microbiology</i> , 2014, 37, 553-559.	2.8	22

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19	MALDI-TOF mass spectrometry as a tool for differentiation of Bradyrhizobium species: Application to the identification of Lupinus nodulating strains. Systematic and Applied Microbiology, 2013, 36, 565-571.	2.8	21
20	Herbaspirillum canariense sp. nov., Herbaspirillum aurantiacum sp. nov. and Herbaspirillum soli sp. nov., isolated from volcanic mountain soil, and emended description of the genus Herbaspirillum. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1300-1306.	1.7	34
21	Mesorhizobial strains nodulating Anagyris latifolia and Lotus berthelotii in Tamadaya ravine (Tenerife, Canary Islands) are two symbiovars of the same species, Mesorhizobium tamadayense sp. nov.. Systematic and Applied Microbiology, 2012, 35, 334-341.	2.8	39
22	Strains nodulating Lupinus albus on different continents belong to several new chromosomal and symbiotic lineages within Bradyrhizobium. Antonie Van Leeuwenhoek, 2010, 97, 363-376.	1.7	48
23	Lotus endemic to the Canary Islands are nodulated by diverse and novel rhizobial species and symbiotypes. Systematic and Applied Microbiology, 2010, 33, 282-290.	2.8	28
24	Rhizobia from Lanzarote, the Canary Islands, That Nodulate <i>Phaseolus vulgaris</i> Have Characteristics in Common with <i>Sinorhizobium meliloti</i> Isolates from Mainland Spain. Applied and Environmental Microbiology, 2009, 75, 2354-2359.	3.1	40
25	Ensifer meliloti bv. lancerottense establishes nitrogen-fixing symbiosis with Lotus endemic to the Canary Islands and shows distinctive symbiotic genotypes and host range. Systematic and Applied Microbiology, 2009, 32, 413-420.	2.8	40
26	Different Mesorhizobium species sharing the same symbiotic genes nodulate the shrub legume Anagyris latifolia. Systematic and Applied Microbiology, 2007, 30, 615-623.	2.8	27
27	Screening for plant growth-promoting rhizobacteria in Chamaecytisus proliferus (tagasaste), a forage tree-shrub legume endemic to the Canary Islands. Plant and Soil, 2005, 266, 261-272.	3.7	89
28	Bradyrhizobium canariense sp. nov., an acid-tolerant endosymbiont that nodulates endemic genistoid legumes (Papilionoideae: Genisteae) from the Canary Islands, along with Bradyrhizobium japonicum bv. genistearum, Bradyrhizobium genospecies alpha and Bradyrhizobium genospecies beta. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 569-575.	1.7	261
29	Genetic Diversity of Bradyrhizobial Populations from Diverse Geographic Origins that Nodulate Lupinus spp. and Ornithopus spp.. Systematic and Applied Microbiology, 2003, 26, 611-623.	2.8	69
30	Indole-3-acetic acid production from indole-3-acetonitrile in Bradyrhizobium. Soil Biology and Biochemistry, 2002, 34, 665-668.	8.8	23
31	Restriction Fragment Length Polymorphism Analysis of 16S rDNA and Low Molecular Weight RNA Profiling of Rhizobial Isolates from Shrubby Legumes Endemic to the Canary Islands. Systematic and Applied Microbiology, 2000, 23, 418-425.	2.8	36
32	Title is missing!. Plant and Soil, 1997, 190, 143-152.	3.7	23
33	Alcian blue fixation allows silver staining of the isolated polysaccharide component of bacterial lipopolysaccharides in polyacrylamide gels. Electrophoresis, 1991, 12, 439-441.	2.4	59