

# 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	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
2	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
3	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
4	Inhibition of Bacterial Quorum Sensing by Extracts from Aquatic Fungi: First Report from Marine Endophytes. Marine Drugs, 2014, 12, 5503-5526.	4.6	68
5	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
6	Reclassification of strains MAFF 303099T and R7A into Mesorhizobium japonicum sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4936-4941.	1.7	52
7	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
8	Revision of the taxonomic status of type strains of Mesorhizobium loti and reclassification of strain USDA 3471T as the type strain of Mesorhizobium erdmanii sp. nov. and ATCC 33669T as the type strain of Mesorhizobium jarvisii sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1703-1708.	1.7	47
9	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
10	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
11	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
12	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
13	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
14	The Rhizobia-Lotus Symbioses: Deeply Specific and Widely Diverse. Frontiers in Microbiology, 2018, 9, 2055.	3.5	34
15	Core and symbiotic genes reveal nine Mesorhizobium genospecies and three symbiotic lineages among the rhizobia nodulating Cicer canariense in its natural habitat (La Palma, Canary Islands). Systematic and Applied Microbiology, 2014, 37, 140-148.	2.8	32
16	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
17	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
18	Plant Growth Promotion Abilities of Phylogenetically Diverse Mesorhizobium Strains: Effect in the Root Colonization and Development of Tomato Seedlings. Microorganisms, 2020, 8, 412.	3.6	25

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Plant and Soil, 1997, 190, 143-152.	3.7	23
20	Indole-3-acetic acid production from indole-3-acetonitrile in Bradyrhizobium. Soil Biology and Biochemistry, 2002, 34, 665-668.	8.8	23
21	Evaluation of seven housekeeping genes for multilocus sequence analysis of the genus Mesorhizobium: Resolving the taxonomic affiliation of the Cicer canariense rhizobia. Systematic and Applied Microbiology, 2014, 37, 553-559.	2.8	22
22	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
23	Phyllobacterium salinisoli sp. nov., isolated from a Lotus lancerottensis root nodule in saline soil from Lanzarote. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1085-1089.	1.7	20
24	The Soil Microbiome of the Laurel Forest in Garajonay National Park (La Gomera, Canary Islands): Comparing Unburned and Burned Habitats after a Wildfire. Forests, 2019, 10, 1051.	2.1	14
25	Brevundimonas canariensis sp. nov., isolated from roots of Triticum aestivum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 969-973.	1.7	14
26	Definition of the novel symbiovar canariense within Mesorhizobium neociceri sp. nov., a new species of genus Mesorhizobium nodulating Cicer canariense in the "Caldera de Taburiente" National Park (La Tj ETQqB 0 rgBTQOverlock	2.8	8
27	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
28	Alteration of soil rhizobial populations by rabbit latrines could impair symbiotic nitrogen fixation in the insular alpine ecosystem of Teide National Park. Applied Soil Ecology, 2021, 160, 103850.	4.3	5
29	Symbiovar loti genes are widely spread among Cicer canariense mesorhizobia, resulting in symbiotically effective strains. Plant and Soil, 2016, 398, 25-33.	3.7	4
30	Alkalinity of Lanzarote soils is a factor shaping rhizobial populations with Sinorhizobium meliloti being the predominant microsymbiont of Lotus lancerottensis. Systematic and Applied Microbiology, 2017, 40, 171-178.	2.8	3
31	Evaluating Different Methodologies for Bioprospecting Actinomycetes in Canary Islands Soils. Current Microbiology, 2020, 77, 2510-2522.	2.2	3
32	Applying Agronomic Principles of Rhizobial Inoculation to the Conservation of a Keystone Legume Species in a High Mountain Ecosystem on an Oceanic Island. Frontiers in Agronomy, 2021, 3, .	3.3	3
33	High-quality draft genome sequence of Ensifer meliloti Mlalz-1, a microsymbiont of Medicago laciniata (L.) miller collected in Lanzarote, Canary Islands, Spain. Standards in Genomic Sciences, 2017, 12, 58.	1.5	0