Martha-Helena RamÃ-rez-Bahena

List of Publications by Year
in descending order

72 papers	3,252 citations	136950 32 h-index	161849 54 g-index
73 all docs	73 docs citations	73 times ranked	2930 citing authors

#	ARTICLE	IF	CITATIONS
1	Rhizobium croatiense sp. nov. and Rhizobium redzepovicii sp. nov., two new species isolated from nodules of Phaseolus vulgaris in Croatia. Systematic and Applied Microbiology, 2022, 45, 126317.	2.8	5
2	Defining the Rhizobium leguminosarum Species Complex. Genes, 2021, 12, 111.	2.4	48
3	Agrobacterium leguminum sp. nov., isolated from nodules of Phaseolus vulgaris in Spain. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	9
4	The Mimosoid tree Leucaena leucocephala can be nodulated by the symbiovar genistearum of Bradyrhizobium canariense. Systematic and Applied Microbiology, 2020, 43, 126041.	2.8	7
5	Genome Analysis of Endobacterium cerealis, a Novel Genus and Species Isolated from Zea mays Roots in North Spain. Microorganisms, 2020, 8, 939.	3.6	17
6	Agrobacterium cavarae sp. nov., isolated from maize (Zea mays L.) roots. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5512-5519.	1.7	6
7	The Rhizobiaceae Bacteria Transferring Genes to Higher Plants. , 2019, , 269-289.		1
8	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition. , 2019, , 79-104.		4
9	The N-fixing legume Periandra mediterranea constrains the invasion of an exotic grass (Melinis) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	10
10	Phylogenetic diversity of rhizobia nodulating Phaseolus vulgaris in Croatia and definition of the symbiovar phaseoli within the species Rhizobium pisi. Systematic and Applied Microbiology, 2019, 42, 126019.	2.8	5
11	Pseudomonas edaphica sp. nov., isolated from rhizospheric soil of Cistus ladanifer L. in Spain. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3141-3147.	1.7	13
12	The current status on the taxonomy of Pseudomonas revisited: An update. Infection, Genetics and Evolution, 2018, 57, 106-116.	2.3	196
13	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
14	Current Status of the Taxonomy of Bacteria Able to Establish Nitrogen-Fixing Legume Symbiosis. , 2017, , 1-43.		9
15	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
16	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.	8.0	24
17	Brevundimonas canariensis sp. nov., isolated from roots of Triticum aestivum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 969-973.	1.7	14
18	Reclassification of Arthrobacter viscosus as Rhizobium viscosum comb. nov. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1789-1792.	1.7	13

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19	Mesorhizobium helmanticense sp. nov., isolated from Lotus corniculatus nodules. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2301-2305.	1.7	21
20	Legume bioactive compounds: influence of rhizobial inoculation. AIMS Microbiology, 2017, 3, 267-278.	2.2	14
21	Historia de la investigaciÃ³n en la simbiosis leguminosa-bacteria: una perspectiva didÃ¡ctica. Arbor, 2016, 192, a319.	0.3	6
22	Diversity of Potassium-Solubilizing Microorganisms and Their Interactions with Plants. , 2016, , 99-110.		76
23	Bradyrhizobium centrosemae (symbiovar centrosemae) sp. nov., Bradyrhizobium americanum (symbiovar phaseolarum) sp. nov. and a new symbiovar (tropici) of Bradyrhizobium viridifuturi establish symbiosis with Centrosema species native to America. Systematic and Applied Microbiology, 2016, 39, 378-383.	2.8	48
24	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from LeÃ³n Province in Mainland Spain. , 2016, , 45-53.		5
25	Erwinia endophytica sp. nov., isolated from potato (Solanum tuberosum L.) stems. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 975-981.	1.7	12
26	Paenibacillus periandrae sp. nov., isolated from nodules of Periandra mediterranea. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1838-1843.	1.7	16
27	Pseudomonas turukhanskensis sp. nov., isolated from oil-contaminated soils. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4657-4664.	1.7	14
28	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
29	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
30	Characterization of phosphate solubilizing rhizobacteria associated with pea (Pisum sativum L.) isolated from two agricultural soils. Symbiosis, 2015, 67, 33-41.	2.3	11
31	Alfalfa microsymbionts from different ITS and nodC lineages of Ensifer meliloti and Ensifer medicae symbiovar meliloti establish efficient symbiosis with alfalfa in Spanish acid soils. Applied Microbiology and Biotechnology, 2015, 99, 4855-4865.	3.6	11
32	Revision of the taxonomic status of the species Rhizobium lupini and reclassification as Bradyrhizobium lupini comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 1213-1219.	1.7	52
33	Pseudorhizobium pelagicum gen. nov., sp. nov. isolated from a pelagic Mediterranean zone. Systematic and Applied Microbiology, 2015, 38, 293-299.	2.8	37
34	Fontibacillus solani sp. nov. isolated from potato (Solanum tuberosum L.) root. Antonie Van Leeuwenhoek, 2015, 107, 1315-1321.	1.7	11
35	Pseudomonas endophytica sp. nov., isolated from stem tissue of Solanum tuberosum L. in Spain. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2110-2117.	1.7	17
36	Bacterial Associations with Legumes. Critical Reviews in Plant Sciences, 2015, 34, 17-42.	5.7	320

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37	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
38	Cohnella lupini sp. nov., an endophytic bacterium isolated from root nodules of Lupinus albus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 83-87.	1.7	34
39	Fontibacillus phaseoli sp. nov. isolated from Phaseolus vulgaris nodules. Antonie Van Leeuwenhoek, 2014, 105, 23-28.	1.7	14
40	Single acquisition of protelomerase gave rise to speciation of a large and diverse clade within the Agrobacterium/Rhizobium supercluster characterized by the presence of a linear chromid. Molecular Phylogenetics and Evolution, 2014, 73, 202-207.	2.7	44
41	Phyllobacterium loti sp. nov. isolated from nodules of Lotus corniculatus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 781-786.	1.7	46
42	Rhizobium laguerreae sp. nov. nodulates Vicia faba on several continents. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 242-247.	1.7	93
43	Paenibacillus lupini sp. nov., isolated from nodules of Lupinus albus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3028-3033.	1.7	32
44	Pseudomonas helmanticensis sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2338-2345.	1.7	42
45	Analysis of rhizobial strains nodulating Phaseolus vulgaris from Hispaniola Island, a geographic bridge between Meso and South America and the first historical link with Europe. Systematic and Applied Microbiology, 2014, 37, 149-156.	2.8	26
46	Vigna unguiculata is nodulated in Spain by endosymbionts of Genisteae legumes and by a new symbiovar (vignae) of the genus Bradyrhizobium. Systematic and Applied Microbiology, 2014, 37, 533-540.	2.8	52
47	Paenibacillus endophyticus sp. nov., isolated from nodules of Cicer arietinum. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4433-4438.	1.7	37
48	Physiological and antioxidant responses of Medicago sativa-rhizobia symbiosis to cyanobacterial toxins (Microcystins) exposure. Toxicon, 2013, 76, 167-177.	1.6	22
49	Reclassification of Agromonas oligotrophica into the genus Bradyrhizobium as Bradyrhizobium oligotrophicum comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1013-1016.	1.7	46
50	Definition of a novel symbiovar (sv. retamae) within Bradyrhizobium retamae sp. nov., nodulating Retama sphaerocarpa and Retama monosperma. Systematic and Applied Microbiology, 2013, 36, 218-223.	2.8	88
51	Centrosema is a promiscuous legume nodulated by several new putative species and symbiovars of Bradyrhizobium in various American countries. Systematic and Applied Microbiology, 2013, 36, 392-400.	2.8	15
52	Endobacter medicaginis gen. nov., sp. nov., isolated from alfalfa nodules in an acidic soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1760-1765.	1.7	45
53	Pseudomonas punonensis sp. nov., isolated from straw. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1834-1839.	1.7	30
54	Pseudomonas guariconensis sp. nov., isolated from rhizospheric soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4413-4420.	1.7	43

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55	Life in an Arsenic-Containing Gold Mine: Genome and Physiology of the Autotrophic Arsenite-Oxidizing Bacterium Rhizobium sp. NT-26. Genome Biology and Evolution, 2013, 5, 934-953.	2.5	60
56	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
57	Bradyrhizobium rifense sp. nov. isolated from effective nodules of Cytisus villosus grown in the Moroccan Rif. Systematic and Applied Microbiology, 2012, 35, 302-305.	2.8	55
58	Rhizobium Promotes Non-Legumes Growth and Quality in Several Production Steps: Towards a Biofertilization of Edible Raw Vegetables Healthy for Humans. PLoS ONE, 2012, 7, e38122.	2.5	155
59	Rapid and simultaneous detection of linear chromosome and large plasmids in Proteobacteria. Journal of Basic Microbiology, 2012, 52, 736-739.	3.3	5
60	Identification at the species and symbiovar levels of strains nodulating Phaseolus vulgaris in saline soils of the Marrakech region (Morocco) and analysis of the otsA gene putatively involved in osmotolerance. Systematic and Applied Microbiology, 2012, 35, 156-164.	2.8	28
61	Distribution and efficiency of Rhizobium leguminosarum strains nodulating Phaseolus vulgaris in Northern Spanish soils: Selection of native strains that replace conventional N fertilization. Soil Biology and Biochemistry, 2011, 43, 2283-2293.	8.8	53
62	The celC gene, a new phylogenetic marker useful for taxonomic studies in Rhizobium. Systematic and Applied Microbiology, 2011, 34, 393-399.	2.8	13
63	Paenibacillus prosopidis sp. nov., isolated from the nodules of Prosopis farcta. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2182-2186.	1.7	40
64	Bacteria Involved in Nitrogen-Fixing Legume Symbiosis: Current Taxonomic Perspective. , 2010, , 1-25.		11
65	Bradyrhizobium pachyrhizi sp. nov. and Bradyrhizobium jicamae sp. nov., isolated from effective nodules of Pachyrhizus erosus. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 1929-1934.	1.7	127
66	The analysis of core and symbiotic genes of rhizobia nodulating Vicia from different continents reveals their common phylogenetic origin and suggests the distribution of Rhizobium leguminosarum strains together with Vicia seeds. Archives of Microbiology, 2009, 191, 659-668.	2.2	49
67	Historical evolution and current status of the taxonomy of genus Pseudomonas. Infection, Genetics and Evolution, 2009, 9, 1132-1147.	2.3	221
68	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. Canadian Journal of Microbiology, 2009, 55, 1207-1216.	1.7	25
69	Phylogenetic diversity based on rrs, atpD, recA genes and 16Sâ€“23S intergenic sequence analyses of rhizobial strains isolated from Vicia faba and Pisum sativum in Peru. Archives of Microbiology, 2008, 189, 239-247.	2.2	48
70	Revision of the taxonomic status of the species Rhizobium leguminosarum (Frank 1879) Frank 1889AL, Rhizobium phaseoli Dangeard 1926AL and Rhizobium trifolii Dangeard 1926AL. R. trifolii is a later synonym of R. leguminosarum. Reclassification of the strain R. leguminosarum DSM 30132 (=NCIMB) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2008, 58, 2484-2490.	1.7	154
71	Rhizobium cellulase CelC2 is essential for primary symbiotic infection of legume host roots. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7064-7069.	7.1	119
72	Reclassification of Pseudomonas aurantiaca as a synonym of Pseudomonas chlororaphis and proposal of three subspecies, P. chlororaphis subsp. chlororaphis subsp. nov., P. chlororaphis subsp. aureofaciens subsp. nov., comb. nov. and P. chlororaphis subsp. aurantiaca subsp. nov., comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1286-1290.	1.7	99