Encarna Velzquez

List of Publications by Year in Descending Order

222 papers	7,845 citations	47 h-index	75 g-index
226 ext. papers	9,357 ext. citations	3.4 avg, IF	5.79 L-index

#	Paper	IF	Citations
222	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	4.2	1
221	Connecting the Lab and the Field: Genome Analysis of Phyllobacterium and Rhizobium Strains and Field Performance on Two Vegetable Crops. *Agronomy*, **2021**, 11, 1124	3.6	1
220	Defining the Species Complex. *Genes*, **2021**, 12,	4.2	19
219	Phylogenomic Analyses of the Genus Lead to the Rearrangement of Several Species and the Definition of New Genera. *Biology*, **2021**, 10,	4.9	5
218	Identification of Canola Roots Endophytic Bacteria and Analysis of Their Potential as Biofertilizers for Canola Crops with Special Emphasis on Sporulating Bacteria. *Agronomy*, **2021**, 11, 1796	3.6	2
217	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 Palma, Canary Islands). *Systematic and Applied Microbiology*, **2021**, 44, 126237	4.2	0
216	The Taxonomy of Bacteria in the Genomic Era **2021**, 289-309		1
215	Analysis of the Interaction between L. and Strains Nodulating This Legume in Northwest Spain. *Plants*, **2020**, 9,	4.5	3
214	Plant Growth Promotion Abilities of Phylogenetically Diverse Strains: Effect in the Root Colonization and Development of Tomato Seedlings. *Microorganisms*, **2020**, 8,	4.9	11
213	Genome Analysis of , a Novel Genus and Species Isolated from Roots in North Spain. *Microorganisms* , **2020**, 8,	4.9	6
212	Identification of Species and Subspecies of Lactic Acid Bacteria Present in Spanish Cheeses Type "Torta" by MALDI-TOF MS and gene Analyses. *Microorganisms*, **2020**, 8,	4.9	11
211	sp. nov., isolated from maize (L.) roots. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 5512-5519	2.2	1
210	Strain ATCC 4720 is the authentic type strain of , which is not a later heterotypic synonym of. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 5172-5176	2.2	4
209	High taxonomic diversity of Micromonospora strains isolated from Medicago sativa nodules in Western Spain and Australia. *Systematic and Applied Microbiology*, **2020**, 43, 126043	4.2	6
208	The Mimosoid tree Leucaena leucocephala can be nodulated by the symbiovar genistearum of Bradyrhizobium canariense. *Systematic and Applied Microbiology*, **2020**, 43, 126041	4.2	2
207	History and current taxonomic status of genus Agrobacterium. *Systematic and Applied Microbiology*, **2020**, 43, 126046	4.2	21
206	Selection of the Root Endophyte Pseudomonas brassicacearum CDVBN10 as Plant Growth Promoter for Brassica napus L. Crops. *Agronomy*, **2020**, 10, 1788	3.6	9

205	Plant growth-promoting potential of bacteria associated to pioneer plants from an active volcanic site of Chiapas (Mexico). *Applied Soil Ecology*, **2020**, 146, 103390	5	14
204	The promiscuity of Phaseolus vulgaris L. (common bean) for nodulation with rhizobia: a review. *World Journal of Microbiology and Biotechnology*, **2020**, 36, 63	4.4	15
203	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	4.2	4
202	The Rhizobiaceae Bacteria Transferring Genes to Higher Plants **2019**, 269-289		1
201	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition **2019**, 79-104		3
200	The N-fixing legume Periandra mediterranea constrains the invasion of an exotic grass (Melinis minutiflora P. Beauv) by altering soil N cycling. *Scientific Reports*, **2019**, 9, 11033	4.9	4
199	Phaseolus vulgaris is nodulated by the symbiovar viciae of several genospecies of Rhizobium laguerreae complex in a Spanish region where Lens culinaris is the traditionally cultivated legume. *Systematic and Applied Microbiology*, **2019**, 42, 240-247	4.2	16
198	Heterologous Expression of Rhizobial CelC2 Cellulase Impairs Symbiotic Signaling and Nodulation in Medicago truncatula. *Molecular Plant-Microbe Interactions*, **2018**, 31, 568-575	3.6	6
197	Probiotic activities of Rhizobium laguerreae on growth and quality of spinach. *Scientific Reports*, **2018**, 8, 295	4.9	36
196	Discovery of Phloeophagus Beetles as a Source of Strains That Produce Potentially New Bioactive Substances and Description of sp. nov. *Frontiers in Microbiology*, **2018**, 9, 913	5.7	16
195	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	2.2	10
194	The current status on the taxonomy of Pseudomonas revisited: An update. *Infection, Genetics and Evolution*, **2018**, 57, 106-116	4.5	113
193	Rhizobium and Phyllobacterium bacterial inoculants increase bioactive compounds and quality of strawberries cultivated in field conditions. *Food Research International*, **2018**, 111, 416-422	7	14
192	Analysis of rhizobial endosymbionts of Vicia, Lathyrus and Trifolium species used to maintain mountain firewalls in Sierra Nevada National Park (South Spain). *Systematic and Applied Microbiology*, **2017**, 40, 92-101	4.2	9
191	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	5.1	5
190	Current Status of the Taxonomy of Bacteria Able to Establish Nitrogen-Fixing Legume Symbiosis **2017**, 1-43		8
189	Recent Advances in the Active Biomolecules Involved in Rhizobia-Legume Symbiosis **2017**, 45-74		6
188	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria **2017**, 41-70		14

187	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	10.2	15
186	Legume bioactive compounds: influence of rhizobial inoculation. *AIMS Microbiology*, **2017**, 3, 267-278	4.5	8
185	Reclassification of Arthrobacter viscosus as Rhizobium viscosum comb. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 1789-1792	2.2	7
184	Bradyrhizobium cajani sp. nov. isolated from nodules of Cajanus cajan. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2236-2241	2.2	13
183	Mesorhizobium helmanticense sp. nov., isolated from Lotus corniculatus nodules. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2301-2305	2.2	12
182	Rhizobium zeae sp. nov., isolated from maize (Zea mays L.) roots. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2306-2311	2.2	11
181	Paenibacillus tritici sp. nov., isolated from wheat roots. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2312-2316	2.2	4
180	Symbiovar loti genes are widely spread among Cicer canariense mesorhizobia, resulting in symbiotically effective strains. *Plant and Soil*, **2016**, 398, 25-33	4.2	3
179	Biocontrol of Fusarium oxysporum f.sp. phaseoli and Phytophthora capsici with Autochthonous Endophytes in Common Bean and Pepper in Castilla y Le□ (Spain) **2016**, 221-235		1
178	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from Le□ Province in Mainland Spain **2016**, 45-53		5
177	The symbiovar trifolii of Rhizobium bangladeshense and Rhizobium aegyptiacum sp. nov. nodulate Trifolium alexandrinum in Egypt. *Systematic and Applied Microbiology*, **2016**, 39, 275-279	4.2	29
176	Phylogenetic diversity of rhizobial species and symbiovars nodulating Phaseolus vulgaris in Iran. *FEMS Microbiology Letters*, **2016**, 363, fnw024	2.9	13
175	Identification of Rhizobial Strains Nodulating Pisum Sativum in Northern Spain Soils by MALDI-TOF MS (Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry) Analysis **2016**, 37-44		3
174	Paenibacillus periandrae sp. nov., isolated from nodules of Periandra mediterranea. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 1838-1843	2.2	7
173	Paenibacillus hispanicus sp. nov. isolated from Triticum aestivum roots. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 4628-4632	2.2	10
172	Reclassification of strains MAFF 303099T and R7A into Mesorhizobiumjaponicum sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2016**, 66, 4936-4941	2.2	25
171	Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF MS) Analysis of Rhizobia Nodulating Phaseolus Vulgaris in Different Soils **2016**, 73-83		
170	Identification of Human Pathogenic Bacteria in Plant Roots by Using MALDI-TOF MS Methodology **2016**, 3-12		

169	Different Effects on Vigna unguiculata Plants After the Inoculation with Strains from Two Bradyrhizobium Symbiovars **2016**, 131-140		1
168	Rhizobium Symbiotic Enzyme Cellulase CelC2: Properties and Applications **2016**, 81-89		
167	Historia de la investigaci□n en la simbiosis leguminosa-bacteria: una perspectiva did□ctica. *Arbor*, **2016**, 192, a319	0.2	4
166	Diversity of Potassium-Solubilizing Microorganisms and Their Interactions with Plants **2016**, 99-110		71
165	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, 378-83	4.2	31
164	Mesorhizobium olivaresii sp. nov. isolated from Lotus corniculatus nodules. *Systematic and Applied Microbiology*, **2016**, 39, 557-561	4.2	15
163	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	2.2	40
162	Bradyrhizobium yuanmingense related strains form nitrogen-fixing symbiosis with Cajanus cajan L. in Dominican Republic and are efficient biofertilizers to replace N fertilization. *Scientia Horticulturae*, **2015**, 192, 421-428	4.1	17
161	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, 346-50	4.2	8
160	Pseudorhizobium pelagicum gen. nov., sp. nov. isolated from a pelagic Mediterranean zone. *Systematic and Applied Microbiology*, **2015**, 38, 293-9	4.2	24
159	Fontibacillus solani sp. nov. isolated from potato (Solanum tuberosum L.) root. *Antonie Van Leeuwenhoek*, **2015**, 107, 1315-21	2.1	5
158	Bacterial Associations with Legumes. *Critical Reviews in Plant Sciences*, **2015**, 34, 17-42	5.6	224
157	Role of Rhizobium Cellulase CelC2 in Host Root Colonization and Infection **2015**, 525-532		2
156	Xylanibacterium **2015**, 1-6		
155	Xylanimonas **2015**, 1-5		
154	Plants probiotics as a tool to produce highly functional fruits: the case of phyllobacterium and vitamin C in strawberries. *PLoS ONE*, **2015**, 10, e0122281	3.7	76
153	Inoculation with indigenous rhizobium strains increases yields of common bean (Phaseolus vulgaris L.) in northern Spain, although its efficiency is affected by the tillage system. *Symbiosis*, **2015**, 67, 113-124	3	19
152	Rhizobium as plant probiotic for strawberry production under microcosm conditions. *Symbiosis*, **2015**, 67, 25-32	3	15

151	The high diversity of Lotus corniculatus endosymbionts in soils of northwest Spain. *Symbiosis*, **2015**, 67, 11-20	3	12
150	Characterization of phosphate solubilizing rhizobacteria associated with pea (Pisum sativum L.) isolated from two agricultural soils. *Symbiosis*, **2015**, 67, 33-41	3	8
149	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, 4855-65	5.7	5
148	Revision of the taxonomic status of type strains of Mesorhizobium loti and reclassification of strain USDA 3471T as the type strain of Mesorhizobiumerdmanii sp. nov. and ATCC 33669T as the type strain of Mesorhizobiumjarvisii sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 1703-1708	2.2	31
147	The status of the genus Seliberia Aristovskaya and Parinkina 1963 (Approved Lists 1980) and the species Seliberia stellate Aristovskaya and Parinkina 1963 (Approved Lists 1980). Request for an Opinion. *International Journal of Systematic and Evolutionary Microbiology*, **2015**, 65, 2337-2340	2.2	2
146	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, 140-8	4.2	26
145	The endemic Genista versicolor from Sierra Nevada National Park in Spain is nodulated by putative new Bradyrhizobium species and a novel symbiovar (sierranevadense). *Systematic and Applied Microbiology*, **2014**, 37, 177-85	4.2	35
144	Phyllobacterium loti sp. nov. isolated from nodules of Lotus corniculatus. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 781-786	2.2	37
143	Rhizobium laguerreae sp. nov. nodulates Vicia faba on several continents. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 242-247	2.2	77
142	Inoculation of the nonlegume Capsicum annuum L. with Rhizobium strains. 2. Changes in sterols, triterpenes, fatty acids, and volatile compounds. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 565-73	5.7	20
141	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, 553-9	4.2	20
140	Paenibacillus lupini sp. nov., isolated from nodules of Lupinus albus. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 3028-3033	2.2	26
139	Pseudomonas helmanticensis sp. nov., isolated from forest soil. *International Journal of Systematic and Evolutionary Microbiology*, **2014**, 64, 2338-2345	2.2	27
138	Inoculation of the nonlegume Capsicum annuum (L.) with Rhizobium strains. 1. Effect on bioactive compounds, antioxidant activity, and fruit ripeness. *Journal of Agricultural and Food Chemistry*, **2014** , 62, 557-64	5.7	29
137	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, 149-56	4.2	21
136	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, 533-40	4.2	41
135	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	2.2	27
134	Fontibacillus phaseoli sp. nov. isolated from Phaseolus vulgaris nodules. *Antonie Van Leeuwenhoek*, **2014**, 105, 23-8	2.1	10

133	Paenibacillus endophyticus sp. nov., isolated from nodules of Cicer arietinum. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 4433-4438	2.2	27
132	Plums (Prunus domestica L.) are a good source of yeasts producing organic acids of industrial interest from glycerol. *Food Chemistry*, **2013**, 139, 31-4	8.5	6
131	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, 565-71	4.2	16
130	Inoculation with Bradyrhizobium japonicum enhances the organic and fatty acids content of soybean (Glycine max (L.) Merrill) seeds. *Food Chemistry*, **2013**, 141, 3636-48	8.5	36
129	Atypical yeasts identified as Saccharomyces cerevisiae by MALDI-TOF MS and gene sequencing are the main responsible of fermentation of chicha, a traditional beverage from Peru. *Systematic and Applied Microbiology*, **2013**, 36, 560-4	4.2	25
128	Reclassification of Agromonas oligotrophica into the genus Bradyrhizobium as Bradyrhizobium oligotrophicum comb. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 1013-1016	2.2	31
127	Definition of a novel symbiovar (sv. retamae) within Bradyrhizobium retamae sp. nov., nodulating Retama sphaerocarpa and Retama monosperma. *Systematic and Applied Microbiology*, **2013**, 36, 218-23	4.2	76
126	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	4.2	15
125	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	2.2	33
124	Pseudomonas punonensis sp. nov., isolated from straw. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 1834-1839	2.2	22
123	Phyllobacterium endophyticum sp. nov., isolated from nodules of Phaseolus vulgaris. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 821-826	2.2	46
122	Pseudomonas guariconensis sp. nov., isolated from rhizospheric soil. *International Journal of Systematic and Evolutionary Microbiology*, **2013**, 63, 4413-4420	2.2	30
121	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, 156-64	4.2	28
120	Rhizobium etli taxonomy revised with novel genomic data and analyses. *Systematic and Applied Microbiology*, **2012**, 35, 353-8	4.2	45
119	Role of Rhizobium endoglucanase CelC2 in cellulose biosynthesis and biofilm formation on plant roots and abiotic surfaces. *Microbial Cell Factories*, **2012**, 11, 125	6.4	70
118	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, 334-41	4.2	33
117	Bradyrhizobium rifense sp. nov. isolated from effective nodules of Cytisus villosus grown in the Moroccan Rif. *Systematic and Applied Microbiology*, **2012**, 35, 302-5	4.2	46
116	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	3.7	116

115	Nodulation in Dimorphandra wilsonii Rizz. (Caesalpinioideae), a threatened species native to the Brazilian Cerrado. *PLoS ONE*, **2012**, 7, e49520	3.7	25
114	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	2.2	20
113	Microorganisms and cancer: Scientific evidence and new hypotheses. *Cirugía Española (English Edition)*, **2011**, 89, 136-144	0.1	
112	Lactococcus lactis subsp. tructae subsp. nov. isolated from the intestinal mucus of brown trout (Salmo trutta) and rainbow trout (Oncorhynchus mykiss). *International Journal of Systematic and Evolutionary Microbiology*, **2011**, 61, 1894-1898	2.2	44
111	Development of functional symbiotic white clover root hairs and nodules requires tightly regulated production of rhizobial cellulase CelC2. *Molecular Plant-Microbe Interactions*, **2011**, 24, 798-807	3.6	30
110	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	7.5	46
109	The celC gene, a new phylogenetic marker useful for taxonomic studies in Rhizobium. *Systematic and Applied Microbiology*, **2011**, 34, 393-9	4.2	13
108	Bradyrhizobium cytisi sp. nov., isolated from effective nodules of Cytisus villosus. *International Journal of Systematic and Evolutionary Microbiology*, **2011**, 61, 2922-2927	2.2	64
107	Effects induced by the nodulation with Bradyrhizobium japonicum on Glycine max (soybean) metabolism and antioxidant potential. *Food Chemistry*, **2011**, 127, 1487-1495	8.5	29
106	The Path of Rhizobia: From a Free-living Soil Bacterium to Root Nodulation **2011**, 167-194		1
105	Evidence of an American origin for symbiosis-related genes in Rhizobium lusitanum. *Applied and Environmental Microbiology*, **2011**, 77, 5665-70	4.8	14
104	MALDI-TOF mass spectrometry is a fast and reliable platform for identification and ecological studies of species from family Rhizobiaceae. *PLoS ONE*, **2011**, 6, e20223	3.7	72
103	Paenibacillus prosopidis sp. nov., isolated from the nodules of Prosopis farcta. *International Journal of Systematic and Evolutionary Microbiology*, **2010**, 60, 2182-2186	2.2	32
102	Phaseolus vulgaris is nodulated in northern Spain by Rhizobium leguminosarum strains harboring two nodC alleles present in American Rhizobium etli strains: biogeographical and evolutionary implications. *Canadian Journal of Microbiology*, **2010**, 56, 657-66	3.2	44
101	Legumes: A Healthy and Ecological Source of Flavonoids. *Current Nutrition and Food Science*, **2010**, 6, 109-144	0.7	23
100	Bacteria Involved in Nitrogen-Fixing Legume Symbiosis: Current Taxonomic Perspective **2010**, 1-25		8
99	Key Molecules Involved in Beneficial Infection Process in Rhizobial Legume Symbiosis **2010**, 55-80		5
98	Strains nodulating Lupinus albus on different continents belong to several new chromosomal and symbiotic lineages within Bradyrhizobium. *Antonie Van Leeuwenhoek*, **2010**, 97, 363-76	2.1	44

97	Analysis of core genes supports the reclassification of strains Agrobacterium radiobacter K84 and Agrobacterium tumefaciens AKE10 into the species Rhizobium rhizogenes. *Systematic and Applied Microbiology*, **2010**, 33, 247-51	4.2	44
96	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, 1929-34	2.2	104
95	Rhizobia from Lanzarote, the Canary Islands, that nodulate Phaseolus vulgaris have characteristics in common with Sinorhizobium meliloti isolates from mainland Spain. *Applied and Environmental Microbiology*, **2009**, 75, 2354-9	4.8	39
94	Acinetobacter strains IH9 and OCI1, two rhizospheric phosphate solubilizing isolates able to promote plant growth, constitute a new genomovar of Acinetobacter calcoaceticus. *Systematic and Applied Microbiology*, **2009**, 32, 334-41	4.2	16
93	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, 659-68	3	45
92	Burkholderia spp. are the most competitive symbionts of Mimosa, particularly under N-limited conditions. *Environmental Microbiology*, **2009**, 11, 762-78	5.2	107
91	Historical evolution and current status of the taxonomy of genus Pseudomonas. *Infection, Genetics and Evolution*, **2009**, 9, 1132-47	4.5	167
90	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. *Canadian Journal of Microbiology*, **2009**, 55, 1207-16	3.2	25
89	Taxonomy of Bacteria Nodulating Legumes. *Microbiology Insights*, **2009**, 2, MBI.S3137	2.5	36
88	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 11478) as Rhizobium pisi sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, 2008, 58, 1845-9	2.2	125
87	Cohnella phaseoli sp. nov., isolated from root nodules of Phaseolus coccineus in Spain, and emended description of the genus Cohnella. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 1855-9	2.2	56
86	Paenibacillus castaneae sp. nov., isolated from the phyllosphere of Castanea sativa Miller. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 2560-4	2.2	22
85	Saccharibacillus sacchari gen. nov., sp. nov., isolated from sugar cane. *International Journal of Systematic and Evolutionary Microbiology*, **2008**, 58, 1850-4	2.2	24
84	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, 7064-9	11.5	95
83	Phylogenetic diversity based on rrs, atpD, recA genes and 16S-23S intergenic sequence analyses of rhizobial strains isolated from Vicia faba and Pisum sativum in Peru. *Archives of Microbiology*, **2008**, 189, 239-47	3	44
82	Genetic diversity of endophytic bacteria which could be find in the apoplastic sap of the medullary parenchym of the stem of healthy sugarcane plants. *Journal of Basic Microbiology*, **2008**, 48, 118-24	2.7	56
81	Stable low molecular weight RNA profiling showed variations within Sinorhizobium meliloti and Sinorhizobium medicae nodulating different legumes from the alfalfa cross-inoculation group. *FEMS Microbiology Letters*, **2008**, 282, 273-81	2.9	9
80	Chickpea rhizobia symbiosis genes are highly conserved across multiple Mesorhizobium species. *FEMS Microbiology Ecology*, **2008**, 66, 391-400	4.3	63

79	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	2.2	69
78	HPLC Determination of Free Amino Acids Profile of DO Red Wine: Effect of Dekkera bruxellensis Contamination. *Journal of Liquid Chromatography and Related Technologies*, **2007**, 30, 1371-1383	1.3	7
77	Influence of Dekkera bruxellensis on the contents of anthocyanins, organic acids and volatile phenols of DO red wine. *Food Chemistry*, **2007**, 100, 64-70	8.5	29
76	Characterization of xylanolytic bacteria present in the bract phyllosphere of the date palm Phoenix dactylifera. *Letters in Applied Microbiology*, **2007**, 44, 181-7	2.9	87
75	Strains of Mesorhizobium amorphae and Mesorhizobium tianshanense, carrying symbiotic genes of common chickpea endosymbiotic species, constitute a novel biovar (ciceri) capable of nodulating Cicer arietinum. *Letters in Applied Microbiology*, **2007**, 44, 412-8	2.9	87
74	High-speed gel microelectrophoresis, a new and easy approach for detection of PCR-amplified microbial DNA from environmental and clinical samples in microgels using conventional equipment. *Letters in Applied Microbiology*, **2007**, 44, 654-9	2.9	1
73	Genetic characterization of fast-growing rhizobia able to nodulate Prosopis alba in North Spain. *FEMS Microbiology Letters*, **2007**, 277, 210-6	2.9	36
72	Rhizobium cellulosilyticum sp. nov., isolated from sawdust of Populus alba. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 844-848	2.2	64
71	Alcanivorax balearicus sp. nov., isolated from Lake Martel. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 1331-1335	2.2	30
70	Ochrobactrum cytisi sp. nov., isolated from nodules of Cytisus scoparius in Spain. *International Journal of Systematic and Evolutionary Microbiology*, **2007**, 57, 784-788	2.2	108
69	Ultrastructural and chemotaxonomic analysis of a xylanolytic strain of Cryptococcus adeliensis isolated from sheep droppings in Spain. *Archives of Microbiology*, **2006**, 186, 195-202	3	9
68	A new approach for separating low-molecular-weight RNA molecules by staircase electrophoresis in non-sequencing gels. *Electrophoresis*, **2006**, 27, 1732-8	3.6	1
67	Nodulation of Lupinus albus by Strains of Ochrobactrum lupini sp. nov. *Applied and Environmental Microbiology*, **2006**, 72, 4500-4500	4.8	78
66	Burkholderia ferrariae sp. nov., isolated from an iron ore in Brazil. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2421-2425	2.2	39
65	Photobacterium halotolerans sp. nov., isolated from Lake Martel in Spain. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 1067-1071	2.2	27
64	Paenibacillus cellulosilyticus sp. nov., a cellulolytic and xylanolytic bacterium isolated from the bract phyllosphere of Phoenix dactylifera. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2777-2781	2.2	34
63	Acetobacter oeni sp. nov., isolated from spoiled red wine. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 21-4	2.2	37
62	Rhizobium lusitanum sp. nov. a bacterium that nodulates Phaseolus vulgaris. *International Journal of Systematic and Evolutionary Microbiology*, **2006**, 56, 2631-2637	2.2	122

61	Natural Diversity of Nodular Microsymbionts of Alnus glutinosa in the Tormes River Basin. *Plant and Soil*, **2006**, 280, 373-383	4.2	12
60	Differential effects of coinoculations with Pseudomonas jessenii PS06 (a phosphate-solubilizing bacterium) and Mesorhizobium ciceri C-2/2 strains on the growth and seed yield of chickpea under greenhouse and field conditions. *Plant and Soil*, **2006**, 287, 43-50	4.2	99
59	Biodiversity of populations of phosphate solubilizing rhizobia that nodulates chickpea in different Spanish soils. *Plant and Soil*, **2006**, 287, 23-33	4.2	94
58	Evaluation of the API 50CH and API ZYM systems for rapid characterization of Clavibacter michiganensis subsp. sepedonicus, causal agent of potato ring rot. *European Journal of Plant Pathology*, **2006**, 115, 443-451	2.1	10
57	Nodulation of Lupinus albus by strains of Ochrobactrum lupini sp. nov. *Applied and Environmental Microbiology*, **2005**, 71, 1318-27	4.8	192
56	The coexistence of symbiosis and pathogenicity-determining genes in Rhizobium rhizogenes strains enables them to induce nodules and tumors or hairy roots in plants. *Molecular Plant-Microbe Interactions*, **2005**, 18, 1325-32	3.6	58
55	Analysis of non-coloured phenolics in red wine: Effect of Dekkera bruxellensis yeast. *Food Chemistry*, **2005**, 89, 185-189	8.5	37
54	Application of horizontal staircase electrophoresis in agarose minigels to the random intergenic spacer analysis of clinical samples. *Electrophoresis*, **2005**, 26, 4402-10	3.6	11
53	Reclassification of Agrobacterium ferrugineum LMG 128 as Hoeflea marina gen. nov., sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 1163-1166	2.2	41
52	Martelella mediterranea gen. nov., sp. nov., a novel alpha-proteobacterium isolated from a subterranean saline lake. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 955-959	2.2	35
51	Micromonospora mirobrigensis sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 877-880	2.2	48
50	Paenibacillus rhizosphaerae sp. nov., isolated from the rhizosphere of Cicer arietinum. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 1305-1309	2.2	23
49	Pseudomonas argentinensis sp. nov., a novel yellow pigment-producing bacterial species, isolated from rhizospheric soil in Cordoba, Argentina. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 1107-1112	2.2	32
48	Phyllobacterium trifolii sp. nov., nodulating Trifolium and Lupinus in Spanish soils. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 1985-1989	2.2	126
47	Paenibacillus xylanilyticus sp. nov., an airborne xylanolytic bacterium. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 405-408	2.2	55
46	Paenibacillus phyllosphaerae sp. nov., a xylanolytic bacterium isolated from the phyllosphere of Phoenix dactylifera. *International Journal of Systematic and Evolutionary Microbiology*, **2005**, 55, 743-746	2.2	42
45	Xylanibacterium ulmi gen. nov., sp. nov., a novel xylanolytic member of the family Promicromonosporaceae. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 557-561	2.2	31
44	Bradyrhizobium betae sp. nov., isolated from roots of Beta vulgaris affected by tumour-like deformations. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 1271-1275	2.2	102

43	Pseudomonas lutea sp. nov., a novel phosphate-solubilizing bacterium isolated from the rhizosphere of grasses. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 847-850	2.2	50
42	Paenibacillus favisporus sp. nov., a xylanolytic bacterium isolated from cow faeces. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 59-64	2.2	54
41	Cellulomonas xylanilytica sp. nov., a cellulolytic and xylanolytic bacterium isolated from a decayed elm tree. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 533-536	2.2	35
40	Agromyces ulmi sp. nov., a xylanolytic bacterium isolated from Ulmus nigra in Spain. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 1987-1990	2.2	31
39	Mycobacterium psychrotolerans sp. nov., isolated from pond water near a uranium mine. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 1459-1463	2.2	18
38	Identification of fast-growing rhizobia nodulating tropical legumes from Puerto Rico as Rhizobium gallicum and Rhizobium tropici. *Systematic and Applied Microbiology*, **2004**, 27, 469-77	4.2	46
37	Phenotypic and genotypic characterization of rhizobia from diverse geographical origin that nodulate Pachyrhizus species. *Systematic and Applied Microbiology*, **2004**, 27, 737-45	4.2	19
36	Microbacterium ulmi sp. nov., a xylanolytic, phosphate-solubilizing bacterium isolated from sawdust of Ulmus nigra. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 513-517	2.2	25
35	Sphingomonas phyllosphaerae sp. nov., from the phyllosphere of Acacia caven in Argentina. *International Journal of Systematic and Evolutionary Microbiology*, **2004**, 54, 2147-2150	2.2	34
34	Identification of microorganisms by PCR amplification and sequencing of a universal amplified ribosomal region present in both prokaryotes and eukaryotes. *Journal of Microbiological Methods*, **2004**, 56, 413-26	2.8	29
33	Herbaspirillum lusitanum sp. nov., a novel nitrogen-fixing bacterium associated with root nodules of Phaseolus vulgaris. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 1979-83	2.2	99
32	Genomic fingerprinting of Frankia strains by PCR-based techniques. Assessment of a primer based on the sequence of 16S rRNA gene of Escherichia coli. *Plant and Soil*, **2003**, 254, 115-123	4.2	6
31	Description of Devosia neptuniae sp. nov. that nodulates and fixes nitrogen in symbiosis with Neptunia natans, an aquatic legume from India. *Systematic and Applied Microbiology*, **2003**, 26, 47-53	4.2	145
30	Genetic diversity of bradyrhizobial populations from diverse geographic origins that nodulate Lupinus spp. and Ornithopus spp. *Systematic and Applied Microbiology*, **2003**, 26, 611-23	4.2	67
29	Pseudomonas rhizosphaerae sp. nov., a novel species that actively solubilizes phosphate in vitro. *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 2067-72	2.2	71
28	Xylanimonas cellulosilytica gen. nov., sp. nov., a xylanolytic bacterium isolated from a decayed tree (Ulmus nigra). *International Journal of Systematic and Evolutionary Microbiology*, **2003**, 53, 99-103	2.2	75
27	Soils of the Chinese Hubei province show a very high diversity of Sinorhizobium fredii strains. *Systematic and Applied Microbiology*, **2002**, 25, 592-602	4.2	28
26	Rapid Identification of Clavibacter michiganensis Subspecies sepedonicus Using Two Primers Random Amplified Polymorphic DNA (TP-RAPD) Fingerprints. *European Journal of Plant Pathology*, **2002**, 108, 179-184	2.1	31

25	A new species of Devosia that forms a unique nitrogen-fixing root-nodule symbiosis with the aquatic legume Neptunia natans (L.f.) druce. *Applied and Environmental Microbiology*, **2002**, 68, 5217-22	4.8	234
24	Rhizobium sullae sp. nov. (formerly Rhizobium hedysari), the root-nodule microsymbiont of Hedysarum coronarium L. *International Journal of Systematic and Evolutionary Microbiology*, **2002**, 52, 1267-1276	2.2	21
23	Rhizobium sullae sp. nov. (formerly Rhizobium hedysari), the root-nodule microsymbiont of Hedysarum coronarium L. *International Journal of Systematic and Evolutionary Microbiology*, **2002**, 52, 1267-1276	2.2	58
22	A two primers random amplified polymorphic DNA procedure to obtain polymerase chain reaction fingerprints of bacterial species. *Electrophoresis*, **2001**, 22, 1086-9	3.6	78
21	YeastIdent-Food/ProleFood, a new system for the identification of food yeasts based on physiological and biochemical tests. *Food Microbiology*, **2001**, 18, 637-646	6	11
20	Rapid Identification of Agrobacterium Species By Staircase Electrophoresis of Low Molecular Weight RNA Profiles. *European Journal of Plant Pathology*, **2001**, 107, 931-938	2.1	8
19	Cellulase isoenzyme profiles in Frankia strains belonging to different cross-inoculation groups. *Plant and Soil*, **2001**, 229, 35-39	4.2	13
18	Analysis of stable low molecular weight (LMW) RNA profiles of hydrocarbon metabolizing bacteria by staircase electrophoresis. *Systematic and Applied Microbiology*, **2001**, 24, 290-3	4.2	1
17	Stable low molecular weight RNA analyzed by staircase electrophoresis, a molecular signature for both prokaryotic and eukaryotic microorganisms. *Systematic and Applied Microbiology*, **2001**, 24, 490-9	4.2	17
16	Characterization of rhizobial isolates of Phaseolus vulgaris by staircase electrophoresis of low-molecular-weight RNA. *Applied and Environmental Microbiology*, **2001**, 67, 1008-10	4.8	36
15	The beneficial plant growth-promoting association of Rhizobium leguminosarum bv. trifolii with rice roots. *Functional Plant Biology*, **2001**, 28, 845	2.7	76
14	Erosion of root epidermal cell walls by Rhizobium polysaccharide-degrading enzymes as related to primary host infection in the Rhizobium-legume symbiosis. *Canadian Journal of Microbiology*, **2001**, 47, 475-87	3.2	39
13	Expression of cysteine proteinase mRNA in chickpea (Cicer arietinum L.) is localized to provascular cells in the developing root. *Journal of Plant Physiology*, **2001**, 158, 1463-1469	3.6	4
12	An effective, rapid and simple method for total RNA extraction from bacteria and yeast. *Journal of Microbiological Methods*, **2001**, 47, 59-63	2.8	32
11	Growth promotion of chickpea and barley by a phosphate solubilizing strain of Mesorhizobium mediterraneum under growth chamber conditions. *Soil Biology and Biochemistry*, **2001**, 33, 103-110	7.5	222
10	Growth promotion of common bean (Phaseolus vulgaris L.) by a strain of Burkholderia cepacia under growth chamber conditions. *Soil Biology and Biochemistry*, **2001**, 33, 1927-1935	7.5	58
9	Erosion of root epidermal cell walls by Rhizobium polysaccharide-degrading enzymes as related to primary host infection in the Rhizobium-legume symbiosis. *Canadian Journal of Microbiology*, **2001**, 47, 475-487	3.2	31
8	Phosphate-solubilizing bacteria as inoculants for agriculture: use of updated molecular techniques in their study. *Agronomy for Sustainable Development*, **2001**, 21, 561-568		122

7	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, 418-25	4.2	32
6	Rapid Identification of Clavibacter michiganensis Subspecies Sepedonicus based on the Stable Low Molecular Weight RNA (LMW RNA) Profiles. *European Journal of Plant Pathology*, **2000**, 106, 789-793	2.1	18
5	Symbiotic characteristics and selection of autochthonous strains of Sinorhizobium meliloti populations in different soils. *Soil Biology and Biochemistry*, **1999**, 31, 1039-1047	7.5	15
4	Analysis of LMW RNA profiles of Frankia strains by staircase electrophoresis. *Systematic and Applied Microbiology*, **1998**, 21, 539-45	4.2	14
3	Enhancement of resolution of low molecular weight RNA profiles by staircase electrophoresis. *Electrophoresis*, **1997**, 18, 1909-11	3.6	27
2	Identification of nodule-dominant Rhizobium meliloti strains carrying pRmeGR4b-type plasmid within indigenous soil populations by PCR using primers derived from specific DNA sequences. *FEMS Microbiology Ecology*, **1995**, 17, 161-168	4.3	20
1	Attenuation of Symbiotic Effectiveness by Rhizobium meliloti SAF22 Related to the Presence of a Cryptic Plasmid. *Applied and Environmental Microbiology*, **1995**, 61, 2033-6	4.8	16