

Esperanza Martinez-romero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

182
papers

8,562
citations

52
h-index

87
g-index

194
ext. papers

10,297
ext. citations

4.2
avg, IF

6.21
L-index

#	Paper	IF	Citations
182	Transcriptomic Responses of to Root Exudates Reflect Its Capacity to Colonize Maize and Common Bean in an Intercropping System. <i>Frontiers in Microbiology</i> , 2021 , 12, 740818	5.7	2
181	We and herbivores eat endophytes. <i>Microbial Biotechnology</i> , 2021 , 14, 1282-1299	6.3	4
180	Differential gene expression in a tripartite interaction: , and parasitic wasps. <i>PeerJ</i> , 2021 , 9, e11020	3.1	1
179	The influence of maize genotype on the rhizosphere eukaryotic community. <i>FEMS Microbiology Ecology</i> , 2021 , 97,	4.3	3
178	Functional genomics of a Spiroplasma associated with the carmine cochineals <i>Dactylopius coccus</i> and <i>Dactylopius opuntiae</i> . <i>BMC Genomics</i> , 2021 , 22, 240	4.5	1
177	Biodegradation and Bioaccumulation of Decachlorobiphenyl (DCB) by Native Strain <i>Pseudomonas extremaustralis</i> ADA-5. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	1
176	Diverse Rhizobium strains isolated from root nodules of <i>Trifolium alexandrinum</i> in Egypt and symbiovars. <i>Systematic and Applied Microbiology</i> , 2021 , 44, 126156	4.2	5
175	Folates in legume root nodules. <i>Physiologia Plantarum</i> , 2021 , 171, 447-452	4.6	0
174	<i>Klebsiella variicola</i> Reference Strain F2R9 (ATCC BAA-830) Genome Sequence. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0032921	1.3	0
173	Diverse methanogens, bacteria and tannase genes in the feces of the endangered volcano rabbit (. <i>PeerJ</i> , 2021 , 9, e11942	3.1	1
172	Metagenome Assembly and Metagenome-Assembled Genome of " <i>Aramenus sulfurataquae</i> " from Thermal Sediments from the Los Azufres Volcanic Complex. <i>Microbiology Resource Announcements</i> , 2021 , 10, e0037921	1.3	0
171	Tools and challenges to exploit microbial communities in agriculture. <i>Current Research in Microbial Sciences</i> , 2021 , 2, 100062	3.3	1
170	Functional characterization of culturable fungi from microbiomes of the "conical cobs" Mexican maize (<i>Zea mays</i> L.) landrace.. <i>Archives of Microbiology</i> , 2021 , 204, 57	3	1
169	Nitrogen Fixation in Pozol, a Traditional Fermented Beverage. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	4
168	Disentangling the effects of legacies from those of current land use on soil properties in Los Tuxtlas Biosphere Reserve, Mexico. <i>Applied Soil Ecology</i> , 2020 , 153, 103578	5	1
167	Plant microbiota modified by plant domestication. <i>Systematic and Applied Microbiology</i> , 2020 , 43, 126106	4.2	12
166	Structure and diversity of native bacterial communities in soils contaminated with polychlorinated biphenyls. <i>AMB Express</i> , 2020 , 10, 124	4.1	3

165	A Plasmid Confers Hypermucoviscosity-Like Phenotype and Alters Capsule Production and Virulence. <i>Frontiers in Microbiology</i> , 2020 , 11, 579612	5.7	8
164	Identification of the symbiosis island of Bradyrhizobium paxllaeri LMTR 21. <i>Brazilian Journal of Microbiology</i> , 2020 , 51, 527-529	2.2	1
163	Plant growth-promoting potential of bacteria associated to pioneer plants from an active volcanic site of Chiapas (Mexico). <i>Applied Soil Ecology</i> , 2020 , 146, 103390	5	14
162	Nodule bacteria from the cultured legume Phaseolus dumosus (belonging to the Phaseolus vulgaris cross-inoculation group) with common tropici phenotypic characteristics and symbiovar but distinctive phylogenomic position and chromid. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 373-382	4.2	7
161	Cophylogenetic analysis suggests cospeciation between the Scorpion Mycoplasma Clade symbionts and their hosts. <i>PLoS ONE</i> , 2019 , 14, e0209588	3.7	4
160	Metatranscriptomic Analysis of the Bacterial Symbiont from the Carmine Cochineal (Hemiptera: Coccoidea: Dactylopiidae). <i>Life</i> , 2019 , 9,	3	9
159	Metatranscriptomics and nitrogen fixation from the rhizoplane of maize plantlets inoculated with a group of PGPRs. <i>Systematic and Applied Microbiology</i> , 2019 , 42, 517-525	4.2	32
158	Exo-Metabolites of -Nodulating Rhizobial Strains. <i>Metabolites</i> , 2019 , 9,	5.6	8
157	Removal of High Concentrations Decachlorobiphenyl of Earthworm Eisenia fetida and its Symbiotic Bacteria in a Vermicomposting System. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1	2.6	7
156	Phylogenomic Species Are Structured by a Continuum of Diversity and Genomic Clusters. <i>Frontiers in Microbiology</i> , 2019 , 10, 910	5.7	20
155	The Type VI secretion system of Rhizobium etli Mim1 has a positive effect in symbiosis. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	21
154	Genome Sequence of CCGE525, a Strain Isolated from Nodules from a Rain Forest in Mexico. <i>Microbiology Resource Announcements</i> , 2019 , 8,	1.3	2
153	A Genomotaxonomy View of the Genus. <i>Frontiers in Microbiology</i> , 2019 , 10, 1334	5.7	50
152	Current phylogeny of Rhodospirillaceae: A multi-approach study. <i>Molecular Phylogenetics and Evolution</i> , 2019 , 139, 106546	4.1	4
151	Minimal standards for the description of new genera and species of rhizobia and agrobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 1852-1863	2.2	94
150	Maize plant growth response to whole rhizosphere microbial communities in different mineral N and P fertilization scenarios. <i>Rhizosphere</i> , 2019 , 9, 38-46	3.5	10
149	Klebsiella variicola and Klebsiella quasipneumoniae with capacity to adapt to clinical and plant settings. <i>Salud Publica De Mexico</i> , 2018 , 60, 29-40	1.7	13
148	Complete Genome Sequence of the Symbiotic Strain Bradyrhizobium icense LMTR 13, Isolated from Lima Bean (Phaseolus lunatus) in Peru. <i>Genome Announcements</i> , 2018 , 6,		3

147	Phytoestrogens and mycoestrogens interacting with breast cancer proteins. <i>Steroids</i> , 2018 , 134, 9-15	2.8	5
146	Nitrogen Fixation in Cereals. <i>Frontiers in Microbiology</i> , 2018 , 9, 1794	5.7	106
145	Genome misclassification of <i>Klebsiella variicola</i> and <i>Klebsiella quasipneumoniae</i> isolated from plants, animals and humans. <i>Salud Publica De Mexico</i> , 2018 , 60, 56-62	1.7	25
144	Metabolic versatility of small archaea Micrarchaeota and Parvarchaeota. <i>ISME Journal</i> , 2018 , 12, 756-775	11.9	62
143	Bacterial preys and commensals condition the effects of bacteriovirus nematodes on <i>Zea mays</i> and <i>Arabidopsis thaliana</i> . <i>Applied Soil Ecology</i> , 2018 , 132, 99-106	5	5
142	The <i>Rhizobium leucaenae</i> CFN 299 pSym plasmid contains genes expressed in free life and symbiosis, as well as two replication systems. <i>Annals of Microbiology</i> , 2017 , 67, 263-273	3.2	2
141	Genome Sequence of the Symbiotic Type Strain <i>Rhizobium tibeticum</i> CCBAU85039T. <i>Genome Announcements</i> , 2017 , 5,		1
140	Complete Genome Sequences of Three Symbionts Associated with Common Bean (). <i>Genome Announcements</i> , 2017 , 5,		5
139	Candidatus <i>Dactylopiibacterium carminicum</i> , a Nitrogen-Fixing Symbiont of <i>Dactylopius</i> Cochineal Insects (Hemiptera: Coccoidea: Dactylopiidae). <i>Genome Biology and Evolution</i> , 2017 , 9, 2237-2250	3.9	11
138	Draft genome sequence of LMTR 21 isolated from Lima bean () in Peru. <i>Genomics Data</i> , 2017 , 13, 38-40		3
137	Complete Genome Sequences of Eight Symbionts Associated with Common Bean (). <i>Genome Announcements</i> , 2017 , 5,		8
136	Complete Genome Sequence of a Novel Nonnodulating Species Isolated from L. Rhizosphere. <i>Genome Announcements</i> , 2017 , 5,		1
135	Genome sequence of sp. LMTR 3, a diazotrophic symbiont of Lima bean (). <i>Genomics Data</i> , 2017 , 13, 35-37		3
134	The Symbiome of <i>Llaveia</i> Cochineals (Hemiptera: Coccoidea: Monophlebidae) Includes a Gammaproteobacterial Cosymbiont <i>Sodalis</i> TME1 and the Known Candidatus <i>Walczuchella monophlebidarum</i> 2017 ,		4
133	The Human Microbiome and the Missing Heritability Problem. <i>Frontiers in Genetics</i> , 2017 , 8, 80	4.5	50
132	The functional microbiome of arthropods. <i>PLoS ONE</i> , 2017 , 12, e0176573	3.7	58
131	International Committee on Systematics of Prokaryotes Subcommittee on the taxonomy of <i>Agrobacterium</i> and <i>Rhizobium</i> Minutes of the meeting, 7 September 2014, Tenerife, Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 516-520	2.2	3
130	Species-specific diversity of novel bacterial lineages and differential abundance of predicted pathways for toxic compound degradation in scorpion gut microbiota. <i>Environmental Microbiology</i> , 2016 , 18, 1364-78	5.2	10

129	A response to Lindsey et al. "Wolbachia pipientis should not be split into multiple species: A response to Ramfiez-Puebla et al.". <i>Systematic and Applied Microbiology</i> , 2016 , 39, 223-225	4.2	8
128	Independent origins of resistance or susceptibility of parasitic wasps to a defensive symbiont. <i>Ecology and Evolution</i> , 2016 , 6, 2679-87	2.8	18
127	Rhizobium favelukesii sp. nov., isolated from the root nodules of alfalfa (Medicago sativa L). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016 , 66, 4451-4457	2.2	17
126	Fungal Community Associated with Dactylopius (Hemiptera: Coccoidea: Dactylopiidae) and Its Role in Uric Acid Metabolism. <i>Frontiers in Microbiology</i> , 2016 , 7, 954	5.7	19
125	Complete Genome Sequence of Bradyrhizobium sp. Strain CCGE-LA001, Isolated from Field Nodules of the Enigmatic Wild Bean Phaseolus microcarpus. <i>Genome Announcements</i> , 2016 , 4,		8
124	Genomes of Candidatus Wolbachia bourtzisii wDacA and Candidatus Wolbachia pipientis wDacB from the Cochineal Insect Dactylopius coccus (Hemiptera: Dactylopiidae). <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 3343-3349	3.2	15
123	Endemic Mimosa species from Mexico prefer alphaproteobacterial rhizobial symbionts. <i>New Phytologist</i> , 2016 , 209, 319-33	9.8	55
122	Recent Developments on Bacterial Evolution into Eukaryotic Cells 2016 , 187-202		
121	Microbiota from Rhabditis regina may alter nematode entomopathogenicity. <i>Parasitology Research</i> , 2016 , 115, 4153-4165	2.4	8
120	Species in Wolbachia? Proposal for the designation of Candidatus Wolbachia bourtzisii, Candidatus Wolbachia onchocercicola, Candidatus Wolbachia blaxteri, Candidatus Wolbachia brugii, Candidatus Wolbachia taylora, Candidatus Wolbachia collembolicola and Candidatus Wolbachia multihospitum for the different species within Wolbachia supergroups. <i>Systematic and</i>	4.2	39
119	Development of a multiplex-PCR probe system for the proper identification of Klebsiella variicola. <i>BMC Microbiology</i> , 2015 , 15, 64	4.5	37
118	Draft Genome Sequences of Klebsiella variicola Plant Isolates. <i>Genome Announcements</i> , 2015 , 3,		14
117	Rhizobium 2015 , 1-36		7
116	Arthropod-Spiroplasma relationship in the genomic era. <i>FEMS Microbiology Ecology</i> , 2015 , 91, 1-8	4.3	17
115	Taxonomy of rhizobia and agrobacteria from the Rhizobiaceae family in light of genomics. <i>Systematic and Applied Microbiology</i> , 2015 , 38, 287-91	4.2	85
114	Molecular evolution of cytochrome bd oxidases across proteobacterial genomes. <i>Genome Biology and Evolution</i> , 2015 , 7, 801-20	3.9	20
113	Rhizobium ecuadorensis sp. nov., an indigenous N ₂ -fixing symbiont of the Ecuadorian common bean (Phaseolus vulgaris L.) genetic pool. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 3162-3169	2.2	44
112	Bradyrhizobium viridifuturi sp. nov., encompassing nitrogen-fixing symbionts of legumes used for green manure and environmental services. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 4441-4448	2.2	36

111	Bradyrhizobium tropiciagri sp. nov. and Bradyrhizobium embrapense sp. nov., nitrogen-fixing symbionts of tropical forage legumes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 4424-4433	2.2	49
110	Evolution of small prokaryotic genomes. <i>Frontiers in Microbiology</i> , 2014 , 5, 742	5.7	50
109	Characterization of Rhizobium grahamii extrachromosomal replicons and their transfer among rhizobia. <i>BMC Microbiology</i> , 2014 , 14, 6	4.5	18
108	Symbiont shift towards Rhizobium nodulation in a group of phylogenetically related Phaseolus species. <i>Molecular Phylogenetics and Evolution</i> , 2014 , 79, 1-11	4.1	13
107	Comparative genomics of Bradyrhizobium japonicum CPAC 15 and Bradyrhizobium diazoefficiens CPAC 7: elite model strains for understanding symbiotic performance with soybean. <i>BMC Genomics</i> , 2014 , 15, 420	4.5	44
106	Genomic basis of symbiovar mimosae in Rhizobium etli. <i>BMC Genomics</i> , 2014 , 15, 575	4.5	20
105	Bradyrhizobium paxllaeri sp. nov. and Bradyrhizobium icense sp. nov., nitrogen-fixing rhizobial symbionts of Lima bean (Phaseolus lunatus L.) in Peru. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 2072-2078	2.2	62
104	Rhizobium paranaense sp. nov., an effective N ₂ -fixing symbiont of common bean (Phaseolus vulgaris L.) with broad geographical distribution in Brazil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014 , 64, 3222-3229	2.2	51
103	Genome sequence of "Candidatus Walczuchella monophlebidarum" the flavobacterial endosymbiont of Llaveia axin axin (Hemiptera: Coccoidea: Monophlebidae). <i>Genome Biology and Evolution</i> , 2014 , 6, 714-26	3.9	26
102	Draft Genome Sequence of the Sulfolobales Archaeon AZ1, Obtained through Metagenomic Analysis of a Mexican Hot Spring. <i>Genome Announcements</i> , 2014 , 2,		9
101	Complete mitochondrial genome recovered from the gut metagenome of overwintering monarch butterflies, Danaus plexippus (L.) (Lepidoptera: Nymphalidae, Danainae). <i>Mitochondrial DNA</i> , 2014 , 25, 427-8		11
100	Draft Genome Sequence of Commensalibacter papalotli MX01, a Symbiont Identified from the Guts of Overwintering Monarch Butterflies. <i>Genome Announcements</i> , 2014 , 2,		8
99	Nitrogen-fixing and uricolytic bacteria associated with the gut of Dendroctonus rhizophagus and Dendroctonus valens (Curculionidae: Scolytinae). <i>Microbial Ecology</i> , 2013 , 66, 200-10	4.4	79
98	Phylogenetic evidence of the transfer of nodZ and nolL genes from Bradyrhizobium to other rhizobia. <i>Molecular Phylogenetics and Evolution</i> , 2013 , 67, 626-30	4.1	9
97	Gut and root microbiota commonalities. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2-9	4.8	74
96	Native bradyrhizobia from Los Tuxtlas in Mexico are symbionts of Phaseolus lunatus (Lima bean). <i>Systematic and Applied Microbiology</i> , 2013 , 36, 33-8	4.2	30
95	Polyphasic evidence supporting the reclassification of Bradyrhizobium japonicum group Ia strains as Bradyrhizobium diazoefficiens sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 3342-3351	2.2	189
94	Rhizobium calliandrae sp. nov., Rhizobium mayense sp. nov. and Rhizobium jaguaris sp. nov., rhizobial species nodulating the medicinal legume Calliandra grandiflora. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 3423-3429	2.2	43

93	Phenotypic tests in Rhizobium species description: an opinion and (a sympatric speciation) hypothesis. <i>Systematic and Applied Microbiology</i> , 2013 , 36, 145-7	4.2	31
92	Dinitrogen-Fixing Prokaryotes 2013 , 427-451		37
91	Rhizobial Genetic Repertoire to Inhabit Legume and Nonlegume Rhizospheres 2013 , 495-500		1
90	Novel Rhizobium lineages isolated from root nodules of the common bean (<i>Phaseolus vulgaris</i> L.) in Andean and Mesoamerican areas. <i>Research in Microbiology</i> , 2013 , 164, 740-8	4	58
89	Potential Plant-Growth-Promoting and Nitrogen-Fixing Bacteria Associated with Pioneer Plants Growing on Mine Tailings 2013 , 1003-1011		4
88	<i>Rhizobium freirei</i> sp. nov., a symbiont of <i>Phaseolus vulgaris</i> that is very effective at fixing nitrogen. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 4167-4173	2.2	81
87	Genome sequence of a novel archaeal rudivirus recovered from a mexican hot spring. <i>Genome Announcements</i> , 2013 , 1,		10
86	Genome sequence of a novel archaeal fusellovirus assembled from the metagenome of a mexican hot spring. <i>Genome Announcements</i> , 2013 , 1, e0016413		10
85	Genome Sequence of the Acidophilic Bacterium <i>Acidocella</i> sp. Strain MX-AZ02. <i>Genome Announcements</i> , 2013 , 1,		4
84	Buffet hypothesis for microbial nutrition at the rhizosphere. <i>Frontiers in Plant Science</i> , 2013 , 4, 188	6.2	16
83	<i>Rhizobium etli</i> taxonomy revised with novel genomic data and analyses. <i>Systematic and Applied Microbiology</i> , 2012 , 35, 353-8	4.2	45
82	Evolutionary relationships of flavobacterial and enterobacterial endosymbionts with their scale insect hosts (Hemiptera: Coccoidea). <i>Journal of Evolutionary Biology</i> , 2012 , 25, 2357-68	2.3	49
81	Reclassification of <i>Rhizobium tropici</i> type A strains as <i>Rhizobium leucaenae</i> sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 1179-1184	2.2	83
80	Rhizobial extrachromosomal replicon variability, stability and expression in natural niches. <i>Plasmid</i> , 2012 , 68, 149-58	3.3	62
79	<i>Rhizobium grahamii</i> sp. nov., from nodules of <i>Dalea leporina</i> , <i>Leucaena leucocephala</i> and <i>Clitoria ternatea</i> , and <i>Rhizobium mesoamericanum</i> sp. nov., from nodules of <i>Phaseolus vulgaris</i> , siratro, cowpea and <i>Mimosa pudica</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 2264-2271	2.2	59
78	Genomic basis of broad host range and environmental adaptability of <i>Rhizobium tropici</i> CIAT 899 and <i>Rhizobium</i> sp. PRF 81 which are used in inoculants for common bean (<i>Phaseolus vulgaris</i> L.). <i>BMC Genomics</i> , 2012 , 13, 735	4.5	96
77	Isolation and characterization of nitrogen fixing heterotrophic bacteria from the rhizosphere of pioneer plants growing on mine tailings. <i>Applied Soil Ecology</i> , 2012 , 62, 52-60	5	54
76	Genome sequence of <i>Rhizobium</i> sp. strain CCGE510, a symbiont isolated from nodules of the endangered wild bean <i>Phaseolus albescens</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 6310-1	3.5	12

75	The effect of inoculation of an indigenous bacteria on the early growth of <i>Acacia farnesiana</i> in a degraded area. <i>Cerne</i> , 2012 , 18, 49-57	0.7	7
74	Molecular characterisation of the diazotrophic bacterial community in uninoculated and inoculated field-grown sugarcane (<i>Saccharum</i> sp.). <i>Plant and Soil</i> , 2012 , 356, 83-99	4.2	89
73	Change in land use alters the diversity and composition of Bradyrhizobium communities and led to the introduction of <i>Rhizobium etli</i> into the tropical rain forest of Los Tuxtlas (Mexico). <i>Microbial Ecology</i> , 2012 , 63, 822-34	4.4	29
72	Genome sequences of <i>Burkholderia</i> sp. strains CCGE1002 and H160, isolated from legume nodules in Mexico and Brazil. <i>Journal of Bacteriology</i> , 2012 , 194, 6927	3.5	33
71	Complete mitochondrial and plastid genomes of the green microalga Trebouxiophyceae sp. strain MX-AZ01 isolated from a highly acidic geothermal lake. <i>Eukaryotic Cell</i> , 2012 , 11, 1417-8		16
70	Genome sequence of <i>Rhizobium grahamii</i> CCGE502, a broad-host-range symbiont with low nodulation competitiveness in <i>Phaseolus vulgaris</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 6651-2	3.5	5
69	Nodular diagnosis for ecological engineering of the symbiotic nitrogen fixation with legumes. <i>Procedia Environmental Sciences</i> , 2011 , 9, 40-46		26
68	Hydroxylated ornithine lipids increase stress tolerance in <i>Rhizobium tropici</i> CIAT899. <i>Molecular Microbiology</i> , 2011 , 79, 1496-514	4.1	52
67	Microbially Mediated Plant Functional Traits. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2011 , 42, 23-46	13.5	329
66	Genomic lineages of <i>Rhizobium etli</i> revealed by the extent of nucleotide polymorphisms and low recombination. <i>BMC Evolutionary Biology</i> , 2011 , 11, 305	3	14
65	Environmental mycobacteria: a threat to human health?. <i>DNA and Cell Biology</i> , 2011 , 30, 633-40	3.6	7
64	Analysis of the Bacterial Diversity Associated with the Roots of Maize (<i>Zea mays</i> L.) through Culture-Dependent and Culture-Independent Methods. <i>ISRN Ecology</i> , 2011 , 2011, 1-10		46
63	Trends in Rhizobial Evolution and Some Taxonomic Remarks 2010 , 301-315		7
62	Characterization of <i>Bacillus</i> isolates of potato rhizosphere from andean soils of Peru and their potential PGPR characteristics. <i>Brazilian Journal of Microbiology</i> , 2010 , 41, 899-906	2.2	68
61	Rhizobial Symbioses in Tropical Legumes and Non-Legumes. <i>Soil Biology</i> , 2010 , 163-184	1	5
60	<i>Phaseolus vulgaris</i> seed-borne endophytic community with novel bacterial species such as <i>Rhizobium endophyticum</i> sp. nov. <i>Systematic and Applied Microbiology</i> , 2010 , 33, 322-7	4.2	136
59	Rhizobia with different symbiotic efficiencies nodulate <i>Acaciella angustissima</i> in Mexico, including <i>Sinorhizobium chiapanecum</i> sp. nov. which has common symbiotic genes with <i>Sinorhizobium mexicanum</i> . <i>FEMS Microbiology Ecology</i> , 2009 , 67, 103-17	4.3	46
58	<i>Burkholderia</i> spp. are the most competitive symbionts of <i>Mimosa</i> , particularly under N-limited conditions. <i>Environmental Microbiology</i> , 2009 , 11, 762-78	5.2	107

57	Coevolution in Rhizobium-legume symbiosis?. <i>DNA and Cell Biology</i> , 2009 , 28, 361-70	3.6	93
56	Mutations in lipopolysaccharide biosynthetic genes impair maize rhizosphere and root colonization of <i>Rhizobium tropici</i> CIAT899. <i>Environmental Microbiology</i> , 2008 , 10, 1271-84	5.2	33
55	Population genetic structure of <i>Sinorhizobium meliloti</i> and <i>S. medicae</i> isolated from nodules of <i>Medicago</i> spp. in Mexico. <i>FEMS Microbiology Ecology</i> , 2007 , 60, 477-89	4.3	46
54	Inactivation of the <i>nodH</i> gene in <i>Sinorhizobium</i> sp. BR816 enhances symbiosis with <i>Phaseolus vulgaris</i> L. <i>FEMS Microbiology Letters</i> , 2007 , 266, 210-7	2.9	4
53	New insights into the origins and evolution of rhizobia that nodulate common bean (<i>Phaseolus vulgaris</i>) in Brazil. <i>Soil Biology and Biochemistry</i> , 2007 , 39, 867-876	7.5	36
52	<i>Ensifer mexicanus</i> sp. nov. a new species nodulating <i>Acacia angustissima</i> (Mill.) Kuntze in Mexico. <i>Systematic and Applied Microbiology</i> , 2007 , 30, 280-90	4.2	65
51	SHV-type extended-spectrum beta-lactamase (ESBL) are encoded in related plasmids from enterobacteria clinical isolates from Mexico. <i>Salud Publica De Mexico</i> , 2007 , 49, 415-21	1.7	18
50	Diverse endophytic bacteria isolated from a leguminous tree <i>Conzattia multiflora</i> grown in Mexico. <i>Archives of Microbiology</i> , 2006 , 186, 251-9	3	35
49	Molecular diversity of native bradyrhizobia isolated from lima bean (<i>Phaseolus lunatus</i> L.) in Peru. <i>Systematic and Applied Microbiology</i> , 2006 , 29, 253-62	4.2	69
48	<i>Azorhizobium doebereineriae</i> sp. Nov. Microsymbiont of <i>Sesbania virgata</i> (Caz.) Pers. <i>Systematic and Applied Microbiology</i> , 2006 , 29, 197-206	4.2	51
47	Molecular phylogeny based on the 16S rRNA gene of elite rhizobial strains used in Brazilian commercial inoculants. <i>Systematic and Applied Microbiology</i> , 2006 , 29, 315-32	4.2	113
46	Bacterial endophytes and their interactions with hosts. <i>Molecular Plant-Microbe Interactions</i> , 2006 , 19, 827-37	3.6	921
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44	Isolation and characterization of functional insertion sequences of rhizobia. <i>FEMS Microbiology Letters</i> , 2006 , 261, 25-31	2.9	9
43	<i>Bradyrhizobium canariense</i> sp. nov., an acid-tolerant endosymbiont that nodulates endemic genistoid legumes (Papilionoideae: Genisteae) from the Canary Islands, along with <i>Bradyrhizobium japonicum</i> bv. <i>genistearum</i> , <i>Bradyrhizobium</i> genospecies alpha and <i>Bradyrhizobium</i> genospecies beta. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 569-575	2.2	229
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40	Evolutionary genetics and biogeographic structure of <i>Rhizobium gallicum</i> sensu lato, a widely distributed bacterial symbiont of diverse legumes. <i>Molecular Ecology</i> , 2005 , 14, 4033-50	5.7	85

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38	<i>Klebsiella variicola</i> , a novel species with clinical and plant-associated isolates. <i>Systematic and Applied Microbiology</i> , 2004 , 27, 27-35	4.2	187
37	Phylogenetic relationships of rhizobia based on citrate synthase gene sequences. <i>Systematic and Applied Microbiology</i> , 2004 , 27, 703-6	4.2	11
36	<i>Rhizobium etli</i> maize populations and their competitiveness for root colonization. <i>Archives of Microbiology</i> , 2004 , 181, 337-44	3	127
35	How are gene sequence analyses modifying bacterial taxonomy? The case of <i>Klebsiella</i> . <i>International Microbiology</i> , 2004 , 7, 261-8	3	33
34	Genetic analysis of a pH-regulated operon from <i>Rhizobium tropici</i> CIAT899 involved in acid tolerance and nodulation competitiveness. <i>Molecular Plant-Microbe Interactions</i> , 2003 , 16, 159-68	3.6	81
33	Diversity of <i>Rhizobium-Phaseolus vulgaris</i> symbiosis: overview and perspectives. <i>Plant and Soil</i> , 2003 , 252, 11-23	4.2	145
32	Diazotrophic bacteria associated with banana (<i>Musa</i> spp.).. <i>Plant and Soil</i> , 2003 , 257, 35-47	4.2	57
31	Diverse Mesorhizobium plurifarum populations native to Mexican soils. <i>Archives of Microbiology</i> , 2003 , 180, 444-54	3	27
30	<i>Sinorhizobium americanus</i> sp. nov., a new <i>Sinorhizobium</i> species nodulating native <i>Acacia</i> spp. in Mexico. <i>Systematic and Applied Microbiology</i> , 2003 , 26, 54-64	4.2	87
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21	Natural endophytic association between <i>Rhizobium etli</i> and maize (<i>Zea mays</i> L.). <i>Journal of Biotechnology</i> , 2001 , 91, 117-26	3.7	171
20	Nitrogen-fixing nodules with <i>Ensifer adhaerens</i> harboring <i>Rhizobium tropici</i> symbiotic plasmids. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 3264-8	4.8	86
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14	Genetic diversity of rhizobia from <i>Leucaena leucocephala</i> nodules in Mexican soils. <i>Molecular Ecology</i> , 1999 , 8, 711-724	5.7	47
13	Characterization of bacteria isolated from wild legumes in the north-western regions of China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999 , 49 Pt 4, 1457-69	2.2	42
12	rRNA based identification and detection systems for rhizobia and other bacteria. <i>Plant and Soil</i> , 1998 , 204, 1-19	4.2	40
11	Generation of <i>Rhizobium</i> strains with improved symbiotic properties by random DNA amplification (RDA). <i>Nature Biotechnology</i> , 1997 , 15, 564-9	44.5	47
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