Encarna VelÃ¡zquez

List of Publications by Year
in descending order

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217 papers	10,075 citations	34016 52 h-index	53109 85 g-index
227 all docs	227 docs citations	227 times ranked	6454 citing authors

#	Article	IF	Citations
1	Bacterial Associations with Legumes. Critical Reviews in Plant Sciences, 2015, 34, 17-42.	2.7	320
2	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, 5217-5222.	1.4	277
3	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.	4.2	256
4	Historical evolution and current status of the taxonomy of genus Pseudomonas. Infection, Genetics and Evolution, 2009, 9, 1132-1147.	1.0	221
5	Nodulation of Lupinus albus by Strains of Ochrobactrum lupini sp. nov. Applied and Environmental Microbiology, 2005, 71, 1318-1327.	1.4	219
6	The current status on the taxonomy of Pseudomonas revisited: An update. Infection, Genetics and Evolution, 2018, 57, 106-116.	1.0	196
7	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.	1.2	170
8	Burkholderia spp. are the most competitive symbionts of Mimosa, particularly under Nâ€limited conditions. Environmental Microbiology, 2009, 11, 762-778.	1.8	157
9	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.	1.1	155
10	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.	0.8	154
11	Phosphate-solubilizing bacteria as inoculants for agriculture: use of updated molecular techniques in their study. Agronomy for Sustainable Development, 2001, 21, 561-568.	0.8	154
12	Phyllobacterium trifolii sp. nov., nodulating Trifolium and Lupinus in Spanish soils. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1985-1989.	0.8	143
13	Rhizobium lusitanum sp. nov. a bacterium that nodulates Phaseolus vulgaris. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2631-2637.	0.8	139
14	Ochrobactrum cytisi sp. nov., isolated from nodules of Cytisus scoparius in Spain. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 784-788.	0.8	138
15	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.	0.8	127
16	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, 1979-1983.	0.8	121
17	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.	3.3	119
18	The beneficial plant growth-promoting association of Rhizobium leguminosarum bv. trifolii with rice roots. Functional Plant Biology, 2001, 28, 845.	1.1	116

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19	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.	0.8	115
20	Phylogenomic Analyses of the Genus Pseudomonas Lead to the Rearrangement of Several Species and the Definition of New Genera. Biology, 2021, 10, 782.	1.3	109
21	Plants Probiotics as a Tool to Produce Highly Functional Fruits: The Case of Phyllobacterium and Vitamin C in Strawberries. PLoS ONE, 2015, 10, e0122281.	1.1	106
22	Biodiversity of populations of phosphate solubilizing rhizobia that nodulates chickpea in different Spanish soils. Plant and Soil, 2006, 287, 23-33.	1.8	104
23	Differential effects of coinoculations with Pseudomonas jessenii PS06 (a phosphate-solubilizing) Tj ETQq1 1 0.784314 rgBT /Overlock 1(greenhouse and field conditions. Plant and Soil, 2006, 287, 43-50.	1.8	102
24	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.	0.8	99
25	Characterization of xylanolytic bacteria present in the bract phyllosphere of the date palm Phoenix dactylifera. Letters in Applied Microbiology, 2007, 44, 181-187.	1.0	97
26	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.	1.1	94
27	Rhizobium laguerreae sp. nov. nodulates Vicia faba on several continents. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 242-247.	0.8	93
28	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, 412-418.	1.0	92
29	Pseudomonas rhizosphaerae sp. nov., a novel species that actively solubilizes phosphate in vitro. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 2067-2072.	0.8	90
30	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.	0.8	88
31	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.	1.2	88
32	A two primers random amplified polymorphic DNA procedure to obtain polymerase chain reaction fingerprints of bacterial species. Electrophoresis, 2001, 22, 1086-1089.	1.3	86
33	Role of Rhizobium endoglucanase CelC2 in cellulose biosynthesis and biofilm formation on plant roots and abiotic surfaces. Microbial Cell Factories, 2012, 11, 125.	1.9	86
34	Bradyrhizobium cytisi sp. nov., isolated from effective nodules of Cytisus villosus. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2922-2927.	0.8	81
35	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.	4.2	80
36	Rhizobium cellulosilyticum sp. nov., isolated from sawdust of Populus alba. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 844-848.	0.8	80

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37	Chickpea rhizobia symbiosis genes are highly conserved across multiple Mesorhizobium species. FEMS Microbiology Ecology, 2008, 66, 391-400.	1.3	76
38	Diversity of Potassium-Solubilizing Microorganisms and Their Interactions with Plants. , 2016, , 99-110.		76
39	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, 1325-1332.	1.4	71
40	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.	0.8	70
41	Genetic Diversity of Bradyrhizobial Populations from Diverse Geographic Origins that Nodulate Lupinus spp. and Ornithopus spp.. Systematic and Applied Microbiology, 2003, 26, 611-623.	1.2	69
42	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, 118-124.	1.8	67
43	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, 1855-1859.	0.8	67
44	Micromonospora mirobrigensis sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 877-880.	0.8	66
45	Paenibacillus favisporus sp. nov., a xylanolytic bacterium isolated from cow faeces. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 59-64.	0.8	65
46	Paenibacillus xylanilyticus sp. nov., an airborne xylanolytic bacterium. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 405-408.	0.8	65
47	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.	0.8	62
48	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.	0.8	59
49	Rhizobium etli taxonomy revised with novel genomic data and analyses. Systematic and Applied Microbiology, 2012, 35, 353-358.	1.2	59
50	Phyllobacterium endophyticum sp. nov., isolated from nodules of Phaseolus vulgaris. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 821-826.	0.8	58
51	Reclassification of Agrobacterium ferrugineum LMG 128 as Hoeflea marina gen. nov., sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1163-1166.	0.8	56
52	Bradyrhizobium rifense sp. nov. isolated from effective nodules of Cytisus villosus grown in the Moroccan Rif. Systematic and Applied Microbiology, 2012, 35, 302-305.	1.2	55
53	Characterization of Rhizobial Isolates of Phaseolus vulgaris by Staircase Electrophoresis of Low-Molecular-Weight RNA. Applied and Environmental Microbiology, 2001, 67, 1008-1010.	1.4	54
54	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.	0.8	54

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55	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.	4.2	53
56	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, 657-666.	0.8	52
57	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.	1.2	52
58	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.	0.8	52
59	Reclassification of strains MAFF 303099T and R7A into Mesorhizobium japonicum sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4936-4941.	0.8	52
60	Probiotic activities of Rhizobium laguerreae on growth and quality of spinach. Scientific Reports, 2018, 8, 295.	1.6	50
61	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.	1.0	49
62	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.	1.0	48
63	Strains nodulating Lupinus albus on different continents belong to several new chromosomal and symbiotic lineages within Bradyrhizobium. Antonie Van Leeuwenhoek, 2010, 97, 363-376.	0.7	48
64	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, 247-251.	1.2	48
65	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.	1.2	48
66	Defining the Rhizobium leguminosarum Species Complex. Genes, 2021, 12, 111.	1.0	48
67	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.	0.8	47
68	Identification of Fast-Growing Rhizobia Nodulating Tropical Legumes from Puerto Rico as Rhizobium gallicum and Rhizobium tropici. Systematic and Applied Microbiology, 2004, 27, 469-477.	1.2	46
69	Martelella mediterranea gen. nov., sp. nov., a novel Î±-proteobacterium isolated from a subterranean saline lake. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 955-959.	0.8	46
70	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.	0.8	46
71	Taxonomy of Bacteria Nodulating Legumes. Microbiology Insights, 2009, 2, MBI.S3137.	0.9	46
72	Reclassification of Agromonas oligotrophica into the genus Bradyrhizobium as Bradyrhizobium oligotrophicum comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1013-1016.	0.8	46

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73	Phyllobacterium loti sp. nov. isolated from nodules of Lotus corniculatus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 781-786.	0.8	46
74	Acetobacter oeni sp. nov., isolated from spoiled red wine. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 21-24.	0.8	45
75	Burkholderia ferrariae sp. nov., isolated from an iron ore in Brazil. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2421-2425.	0.8	45
76	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.	0.8	45
77	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, 177-185.	1.2	45
78	Sphingomonas phyllosphaerae sp. nov., from the phyllosphere of Acacia caven in Argentina. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 2147-2150.	0.8	44
79	Analysis of non-coloured phenolics in red wine: Effect of Dekkera bruxellensis yeast. Food Chemistry, 2005, 89, 185-189.	4.2	44
80	The symbiovar trifolii of Rhizobium bangladeshense and Rhizobium aegyptiacum sp. nov. nodulate Trifolium alexandrinum in Egypt. Systematic and Applied Microbiology, 2016, 39, 275-279.	1.2	44
81	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.	0.8	43
82	Pseudomonas argentinensis sp. nov., a novel yellow pigment-producing bacterial species, isolated from rhizospheric soil in CÃ³rdoba, Argentina. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1107-1112.	0.8	43
83	Inoculation with Bradyrhizobium japonicum enhances the organic and fatty acids content of soybean (Glycine max (L.) Merrill) seeds. Food Chemistry, 2013, 141, 3636-3648.	4.2	43
84	Pseudomonas guariconensis sp. nov., isolated from rhizospheric soil. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4413-4420.	0.8	43
85	An effective, rapid and simple method for total RNA extraction from bacteria and yeast. Journal of Microbiological Methods, 2001, 47, 59-63.	0.7	42
86	Erosion of root epidermal cell walls by Rhizobium polysaccharide-degrading enzymes as related to primary host infection in the RhizobiumÂ–legume symbiosis. Canadian Journal of Microbiology, 2001, 47, 475-487.	0.8	42
87	Title is missing!. European Journal of Plant Pathology, 2002, 108, 179-184.	0.8	42
88	Pseudomonas helmanticensis sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2338-2345.	0.8	42
89	History and current taxonomic status of genus Agrobacterium. Systematic and Applied Microbiology, 2020, 43, 126046.	1.2	41
90	Agromyces ulmi sp. nov., a xylanolytic bacterium isolated from Ulmus nigra in Spain. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1987-1990.	0.8	40

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91	Genetic characterization of fast-growing rhizobia able to nodulateProsopis albain North Spain. FEMS Microbiology Letters, 2007, 277, 210-216.	0.7	40
92	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, 2354-2359.	1.4	40
93	Paenibacillus prosopidis sp. nov., isolated from the nodules of Prosopis farcta. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2182-2186.	0.8	40
94	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.	1.2	39
95	Soils of the Chinese Hubei Province Show a Very High Diversity of Sinorhizobium fredii Strains. Systematic and Applied Microbiology, 2002, 25, 592-602.	1.2	38
96	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.	0.8	38
97	Nodulation in Dimorphandra wilsonii Rizz. (Caesalpinioideae), a Threatened Species Native to the Brazilian Cerrado. PLoS ONE, 2012, 7, e49520.	1.1	38
98	Erosion of root epidermal cell walls by Rhizobium polysaccharide-degrading enzymes as related to primary host infection in the Rhizobiumâ€“legume symbiosis. Canadian Journal of Microbiology, 2001, 47, 475-487.	0.8	38
99	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, 413-426.	0.7	37
100	Photobacterium halotolerans sp. nov., isolated from Lake Martel in Spain. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1067-1071.	0.8	37
101	Effects induced by the nodulation with Bradyrhizobium japonicum on Glycine max (soybean) metabolism and antioxidant potential. Food Chemistry, 2011, 127, 1487-1495.	4.2	37
102	Paenibacillus endophyticus sp. nov., isolated from nodules of Cicer arietinum. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4433-4438.	0.8	37
103	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, 557-564.	2.4	37
104	Pseudorhizobium pelagicum gen. nov., sp. nov. isolated from a pelagic Mediterranean zone. Systematic and Applied Microbiology, 2015, 38, 293-299.	1.2	37
105	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.	1.2	36
106	Legumes: A Healthy and Ecological Source of Flavonoids. Current Nutrition and Food Science, 2010, 6, 109-144.	0.3	36
107	Enhancement of resolution of low molecular weight RNA profiles by staircase electrophoresis. Electrophoresis, 1997, 18, 1909-1911.	1.3	35
108	Alcanivorax balearicus sp. nov., isolated from Lake Martel. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1331-1335.	0.8	35

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109	Saccharibacillus sacchari gen. nov., sp. nov., isolated from sugar cane. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 1850-1854.	0.8	35
110	Discovery of Phloeophagus Beetles as a Source of Pseudomonas Strains That Produce Potentially New Bioactive Substances and Description of Pseudomonas bohemica sp. nov.. Frontiers in Microbiology, 2018, 9, 913.	1.5	35
111	The promiscuity of Phaseolus vulgaris L. (common bean) for nodulation with rhizobia: a review. World Journal of Microbiology and Biotechnology, 2020, 36, 63.	1.7	35
112	Influence of Dekkera bruxellensis on the contents of anthocyanins, organic acids and volatile phenols of DÃ£o red wine. Food Chemistry, 2007, 100, 64-70.	4.2	34
113	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.	0.8	34
114	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.	0.8	34
115	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.	0.8	32
116	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.	1.2	32
117	Paenibacillus lupini sp. nov., isolated from nodules of Lupinus albus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3028-3033.	0.8	32
118	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.	1.4	31
119	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.	0.8	31
120	Pseudomonas punonensis sp. nov., isolated from straw. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1834-1839.	0.8	30
121	Mycobacterium psychrotolerans sp. nov., isolated from pond water near a uranium mine. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1459-1463.	0.8	29
122	Paenibacillus castaneae sp. nov., isolated from the phyllosphere of Castanea sativa Miller. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2560-2564.	0.8	29
123	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, 560-564.	1.2	29
124	Paenibacillus rhizosphaerae sp. nov., isolated from the rhizosphere of Cicer arietinum. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1305-1309.	0.8	28
125	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.	1.2	28
126	Rhizobium and Phyllobacterium bacterial inoculants increase bioactive compounds and quality of strawberries cultivated in field conditions. Food Research International, 2018, 111, 416-422.	2.9	28

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127	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.	1.2	26
128	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. Canadian Journal of Microbiology, 2009, 55, 1207-1216.	0.8	25
129	Plant Growth Promotion Abilities of Phylogenetically Diverse Mesorhizobium Strains: Effect in the Root Colonization and Development of Tomato Seedlings. Microorganisms, 2020, 8, 412.	1.6	25
130	Bradyrhizobium cajani sp. nov. isolated from nodules of Cajanus cajan. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2236-2241.	0.8	25
131	Inoculation with indigenous rhizobium strains increases yields of common bean (Phaseolus vulgaris) Tj ETQq1 1 0.784314 rgBT /Overl 113-124.	1.2	24
132	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.	3.9	24
133	Plant growth-promoting potential of bacteria associated to pioneer plants from an active volcanic site of Chiapas (Mexico). Applied Soil Ecology, 2020, 146, 103390.	2.1	24
134	Selection of the Root Endophyte Pseudomonas brassicacearum CDVBN10 as Plant Growth Promoter for Brassica napus L. Crops. Agronomy, 2020, 10, 1788.	1.3	24
135	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, 565-573.	2.4	22
136	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.	1.2	22
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138	Mesorhizobium olivaresii sp. nov. isolated from Lotus corniculatus nodules. Systematic and Applied Microbiology, 2016, 39, 557-561.	1.2	22
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