

# Eustoquio Martínez-Molina

## List of Publications by Year in descending order

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91  
papers

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docs citations

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times ranked

3543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Connecting the Lab and the Field: Genome Analysis of Phyllobacterium and Rhizobium Strains and Field Performance on Two Vegetable Crops. <i>Agronomy</i> , 2021, 11, 1124.	3.0	10
2	Identification of Canola Roots Endophytic Bacteria and Analysis of Their Potential as Biofertilizers for Canola Crops with Special Emphasis on Sporulating Bacteria. <i>Agronomy</i> , 2021, 11, 1796.	3.0	15
3	High taxonomic diversity of Micromonospora strains isolated from Medicago sativa nodules in Western Spain and Australia. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126043.	2.8	7
4	Heterologous Expression of Rhizobial CelC2 Cellulase Impairs Symbiotic Signaling and Nodulation in <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 568-575.	2.6	9
5	Analysis of rhizobial endosymbionts of Vicia, Lathyrus and Trifolium species used to maintain mountain firewalls in Sierra Nevada National Park (South Spain). <i>Systematic and Applied Microbiology</i> , 2017, 40, 92-101.	2.8	10
6	Current Status of the Taxonomy of Bacteria Able to Establish Nitrogen-Fixing Legume Symbiosis. , 2017, , 1-43.		9
7	The rhizosphere microbiome of burned holm-oak: potential role of the genus Arthrobacter in the recovery of burned soils. <i>Scientific Reports</i> , 2017, 7, 6008.	3.3	88
8	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
9	Bacillus terrae sp. nov. isolated from Cistus ladanifer rhizosphere soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1478-1481.	1.7	12
10	Rhizobium Symbiotic Enzyme Cellulase CelC2: Properties and Applications. , 2016, , 81-89.		2
11	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from León Province in Mainland Spain. , 2016, , 45-53.		5
12	Symbiovar loti genes are widely spread among Cicer canariense mesorhizobia, resulting in symbiotically effective strains. <i>Plant and Soil</i> , 2016, 398, 25-33.	3.7	4
13	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.		4
14	Paenibacillus hispanicus sp. nov. isolated from Triticum aestivum roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4628-4632.	1.7	16
15	Plants Probiotics as a Tool to Produce Highly Functional Fruits: The Case of Phyllobacterium and Vitamin C in Strawberries. <i>PLoS ONE</i> , 2015, 10, e0122281.	2.5	106
16	Rhizobium as plant probiotic for strawberry production under microcosm conditions. <i>Symbiosis</i> , 2015, 67, 25-32.	2.3	18
17	Revision of the taxonomic status of the species Rhizobium lupini and reclassification as Bradyrhizobium lupini comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1213-1219.	1.7	52
18	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. <i>Systematic and Applied Microbiology</i> , 2015, 38, 346-350.	2.8	8

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19	Revision of the taxonomic status of type strains of <i>Mesorhizobium loti</i> and reclassification of strain USDA 3471T as the type strain of <i>Mesorhizobium erdmanii</i> sp. nov. and ATCC 33669T as the type strain of <i>Mesorhizobium jarvisii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1703-1708.	1.7	47
20	<i>Micromonospora</i> from nitrogen fixing nodules of alfalfa ( <i>Medicago sativa</i> L.). A new promising Plant Probiotic Bacteria.. <i>Scientific Reports</i> , 2014, 4, 6389.	3.3	69
21	Endophytic <i>Micromonospora</i> from <i>Medicago sativa</i> are apparently not able to fix atmospheric nitrogen. <i>Soil Biology and Biochemistry</i> , 2014, 74, 201-203.	8.8	19
22	The endemic <i>Genista versicolor</i> from Sierra Nevada National Park in Spain is nodulated by putative new <i>Bradyrhizobium</i> species and a novel symbiovar ( <i>sierranevadense</i> ). <i>Systematic and Applied Microbiology</i> , 2014, 37, 177-185.	2.8	45
23	MALDI-TOF mass spectrometry as a tool for differentiation of <i>Bradyrhizobium</i> species: Application to the identification of <i>Lupinus</i> nodulating strains. <i>Systematic and Applied Microbiology</i> , 2013, 36, 565-571.	2.8	21
24	Use of <i>Rhizobium leguminosarum</i> as a potential biofertilizer for <i>Lactuca sativa</i> and <i>Daucus carota</i> crops. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 876-882.	1.9	99
25	<i>Rhizobium</i> Promotes Non-Legumes Growth and Quality in Several Production Steps: Towards a Biofertilization of Edible Raw Vegetables Healthy for Humans. <i>PLoS ONE</i> , 2012, 7, e38122.	2.5	155
26	Development of Functional Symbiotic White Clover Root Hairs and Nodules Requires Tightly Regulated Production of Rhizobial Cellulase CelC2. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 798-807.	2.6	31
27	The celC gene, a new phylogenetic marker useful for taxonomic studies in <i>Rhizobium</i> . <i>Systematic and Applied Microbiology</i> , 2011, 34, 393-399.	2.8	13
28	<i>Auraticoccus monumenti</i> gen. nov., sp. nov., an actinomycete isolated from a deteriorated sandstone monument. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1098-1103.	1.7	17
29	MALDI-TOF Mass Spectrometry Is a Fast and Reliable Platform for Identification and Ecological Studies of Species from Family Rhizobiaceae. <i>PLoS ONE</i> , 2011, 6, e20223.	2.5	94
30	Strains nodulating <i>Lupinus albus</i> on different continents belong to several new chromosomal and symbiotic lineages within <i>Bradyrhizobium</i> . <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 363-376.	1.7	48
31	Analysis of core genes supports the reclassification of strains <i>Agrobacterium radiobacter</i> K84 and <i>Agrobacterium tumefaciens</i> AKE10 into the species <i>Rhizobium rhizogenes</i> . <i>Systematic and Applied Microbiology</i> , 2010, 33, 247-251.	2.8	48
32	The genus <i>Micromonospora</i> is widespread in legume root nodules: the example of <i>Lupinus angustifolius</i> . <i>ISME Journal</i> , 2010, 4, 1265-1281.	9.8	142
33	Bacteria Involved in Nitrogen-Fixing Legume Symbiosis: Current Taxonomic Perspective. , 2010, , 1-25.		11
34	<i>Micromonospora pisi</i> sp. nov., isolated from root nodules of <i>Pisum sativum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 331-337.	1.7	106
35	<i>Bradyrhizobium pachyrhizi</i> sp. nov. and <i>Bradyrhizobium jicamae</i> sp. nov., isolated from effective nodules of <i>Pachyrhizus erosus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 1929-1934.	1.7	127
36	<i>Rhizobia</i> from Lanzarote, the Canary Islands, That Nodulate <i>Phaseolus vulgaris</i> Have Characteristics in Common with <i>Sinorhizobium meliloti</i> Isolates from Mainland Spain. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2354-2359.	3.1	40

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37	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, 334-341.	2.8	20
38	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. Canadian Journal of Microbiology, 2009, 55, 1207-1216.	1.7	25
39	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, 273-281.	1.8	10
40	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 OrGBT /Overback 10 Tfr		
41	2008, 58, 2484-2490. 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.	1.7	67
42	Promicromonospora kroppenstedtii sp. nov., isolated from sandy soil. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 1476-1481.	1.7	20
43	Saccharibacillus sacchari gen. nov., sp. nov., isolated from sugar cane. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 1850-1854.	1.7	35
44	Micromonospora lupini sp. nov. and Micromonospora saelicesensis sp. nov., isolated from root nodules of Lupinus angustifolius. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2799-2804.	1.7	108
45	Alcanivorax balearicus sp. nov., isolated from Lake Martel. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1331-1335.	1.7	35
46	Ochrobactrum cytisi sp. nov., isolated from nodules of Cytisus scoparius in Spain. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 784-788.	1.7	138
47	Reclassification of Pseudomonas aurantiaca as a synonym of Pseudomonas chlororaphis and proposal of three subspecies, P. chlororaphis subsp. chlororaphis subsp. nov., P. chlororaphis subsp. aureofaciens subsp. nov., comb. nov. and P. chlororaphis subsp. aurantiaca subsp. nov., comb. nov.. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1286-1290.	1.7	99
48	Antitumor anthraquinones from an endophytic actinomycete Micromonospora lupini sp. nov.. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3702-3705.	2.2	110
49	Genetic characterization of fast-growing rhizobia able to nodulate Prosopis alba in North Spain. FEMS Microbiology Letters, 2007, 277, 210-216.	1.8	40
50	Rhizobium cellulosityticum sp. nov., isolated from sawdust of Populus alba. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 844-848.	1.7	80
51	Micromonospora coriariae sp. nov., isolated from root nodules of Coriaria myrtifolia. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2381-2385.	1.7	94
52	Kribbella lupini sp. nov., isolated from the roots of Lupinus angustifolius. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 407-411.	1.7	52
53	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.	1.7	15
54	A new approach for separating low-molecular-weight RNA molecules by staircase electrophoresis in non-sequencing gels. Electrophoresis, 2006, 27, 1732-1738.	2.4	1

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55	<i>Photobacterium halotolerans</i> sp. nov., isolated from Lake Martel in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1067-1071.	1.7	37
56	<i>Paenibacillus cellulolyticus</i> sp. nov., a cellulolytic and xylanolytic bacterium isolated from the bract phyllosphere of <i>Phoenix dactylifera</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2777-2781.	1.7	46
57	The Coexistence of Symbiosis and Pathogenicity-Determining Genes in <i>Rhizobium rhizogenes</i> Strains Enables Them to Induce Nodules and Tumors or Hairy Roots in Plants. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1325-1332.	2.6	71
58	Application of horizontal staircase electrophoresis in agarose minigels to the random intergenic spacer analysis of clinical samples. <i>Electrophoresis</i> , 2005, 26, 4402-4410.	2.4	13
59	<i>Marteella mediterranea</i> gen. nov., sp. nov., a novel $\hat{\alpha}$ -proteobacterium isolated from a subterranean saline lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 955-959.	1.7	46
60	<i>Micromonospora mirobrigensis</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 877-880.	1.7	66
61	<i>Paenibacillus rhizosphaerae</i> sp. nov., isolated from the rhizosphere of <i>Cicer arietinum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1305-1309.	1.7	28
62	<i>Phyllobacterium trifolii</i> sp. nov., nodulating <i>Trifolium</i> and <i>Lupinus</i> in Spanish soils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1985-1989.	1.7	143
63	<i>Paenibacillus xylanolyticus</i> sp. nov., an airborne xylanolytic bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 405-408.	1.7	65
64	Nodulation of <i>Lupinus albus</i> by Strains of <i>Ochrobactrum lupini</i> sp. nov. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1318-1327.	3.1	219
65	<i>Paenibacillus phyllosphaerae</i> sp. nov., a xylanolytic bacterium isolated from the phyllosphere of <i>Phoenix dactylifera</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 743-746.	1.7	54
66	<i>Bradyrhizobium betae</i> sp. nov., isolated from roots of <i>Beta vulgaris</i> affected by tumour-like deformations. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1271-1275.	1.7	115
67	<i>Pseudomonas lutea</i> sp. nov., a novel phosphate-solubilizing bacterium isolated from the rhizosphere of grasses. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 847-850.	1.7	59
68	<i>Agromyces ulmi</i> sp. nov., a xylanolytic bacterium isolated from <i>Ulmus nigra</i> in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1987-1990.	1.7	40
69	<i>Mycobacterium psychrotolerans</i> sp. nov., isolated from pond water near a uranium mine. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1459-1463.	1.7	29
70	Identification of Fast-Growing Rhizobia Nodulating Tropical Legumes from Puerto Rico as <i>Rhizobium gallicum</i> and <i>Rhizobium tropici</i> . <i>Systematic and Applied Microbiology</i> , 2004, 27, 469-477.	2.8	46
71	<i>Microbacterium ulmi</i> sp. nov., a xylanolytic, phosphate-solubilizing bacterium isolated from sawdust of <i>Ulmus nigra</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 513-517.	1.7	32
72	Genomic fingerprinting of <i>Frankia</i> strains by PCR-based techniques. Assessment of a primer based on the sequence of 16S rRNA gene of <i>Escherichia coli</i> . <i>Plant and Soil</i> , 2003, 254, 115-123.	3.7	6

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73	Description of <i>Devosia neptuniae</i> sp. nov. that Nodulates and Fixes Nitrogen in Symbiosis with <i>Neptunia natans</i> , an Aquatic Legume from India. <i>Systematic and Applied Microbiology</i> , 2003, 26, 47-53.	2.8	170
74	Genetic Diversity of Bradyrhizobial Populations from Diverse Geographic Origins that Nodulate <i>Lupinus</i> spp. and <i>Ornithopus</i> spp.. <i>Systematic and Applied Microbiology</i> , 2003, 26, 611-623.	2.8	69
75	<i>Pseudomonas rhizosphaerae</i> sp. nov., a novel species that actively solubilizes phosphate in vitro. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 2067-2072.	1.7	90
76	A New Species of <i>Devosia</i> That Forms a Unique Nitrogen-Fixing Root-Nodule Symbiosis with the Aquatic Legume <i>Neptunia natans</i> (L.f.) Druce. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5217-5222.	3.1	277
77	Title is missing!. <i>European Journal of Plant Pathology</i> , 2002, 108, 179-184.	1.7	42
78	<i>Rhizobium sullae</i> sp. nov. (formerly ' <i>Rhizobium hedysari</i> '), the root-nodule microsymbiont of <i>Hedysarum coronarium</i> L.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2002, 52, 1267-1276.	1.7	31
79	A two primers random amplified polymorphic DNA procedure to obtain polymerase chain reaction fingerprints of bacterial species. <i>Electrophoresis</i> , 2001, 22, 1086-1089.	2.4	86
80	Title is missing!. <i>European Journal of Plant Pathology</i> , 2001, 107, 931-938.	1.7	11
81	Cellulase isoenzyme profiles in <i>Frankia</i> strains belonging to different cross-inoculation groups. <i>Plant and Soil</i> , 2001, 229, 35-39.	3.7	15
82	Analysis of Stable Low Molecular Weight (LMW) RNA Profiles of Hydrocarbon Metabolizing Bacteria by Staircase Electrophoresis. <i>Systematic and Applied Microbiology</i> , 2001, 24, 290-293.	2.8	1
83	Stable Low Molecular Weight RNA Analyzed by Staircase Electrophoresis, a Molecular Signature for Both Prokaryotic and Eukaryotic Microorganisms. <i>Systematic and Applied Microbiology</i> , 2001, 24, 490-499.	2.8	19
84	Erosion of root epidermal cell walls by <i>Rhizobium</i> polysaccharide-degrading enzymes as related to primary host infection in the <i>Rhizobium</i> -legume symbiosis. <i>Canadian Journal of Microbiology</i> , 2001, 47, 475-487.	1.7	42
85	Erosion of root epidermal cell walls by <i>Rhizobium</i> polysaccharide-degrading enzymes as related to primary host infection in the <i>Rhizobium</i> -legume symbiosis. <i>Canadian Journal of Microbiology</i> , 2001, 47, 475-487.	1.7	38
86	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. <i>Systematic and Applied Microbiology</i> , 2000, 23, 418-425.	2.8	36
87	Title is missing!. <i>European Journal of Plant Pathology</i> , 2000, 106, 789-793.	1.7	19
88	Analysis of LMW RNA Profiles of <i>Frankia</i> Strains by Staircase Electrophoresis. <i>Systematic and Applied Microbiology</i> , 1998, 21, 539-545.	2.8	17
89	Enhancement of resolution of low molecular weight RNA profiles by staircase electrophoresis. <i>Electrophoresis</i> , 1997, 18, 1909-1911.	2.4	35
90	Identification of nodule-dominant <i>Rhizobium meliloti</i> strains carrying pRmeGR4b-type plasmid within indigenous soil populations by PCR using primers derived from specific DNA sequences. <i>FEMS Microbiology Ecology</i> , 1995, 17, 161-168.	2.7	1

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91	Hydrolytic Enzyme Production by Rhizobium. Applied and Environmental Microbiology, 1979, 38, 1186-1188.	3.1	60