

Eustoquio MartÃ-nez-Molina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2866223/publications.pdf>

Version: 2024-02-01

91
papers

4,812
citations

71102

41
h-index

98798

67
g-index

94
all docs

94
docs citations

94
times ranked

3543
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Rhizobium 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
5	Revision of the taxonomic status of the species <i>Rhizobium leguminosarum</i> (Frank 1879) Frank 1889AL, <i>Rhizobium phaseoli</i> Dangeard 1926AL and <i>Rhizobium trifolii</i> Dangeard 1926AL. <i>R. trifolii</i> is a later synonym of <i>R. leguminosarum</i> . Reclassification of the strain <i>R. leguminosarum</i> DSM 30132 (=NCIMB) Tj ETQq1 1 0i784314 rgs1 /Oveid 2008, 58, 2484-2490.	2.5	155
6	<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
7	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
8	<i>Ochrobactrum cytisi</i> sp. nov., isolated from nodules of <i>Cytisus scoparius</i> in Spain. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 784-788.	1.7	138
9	<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
10	<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
11	Antitumor anthraquinones from an endophytic actinomycete <i>Micromonospora lupini</i> sp. nov.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3702-3705.	2.2	110
12	<i>Micromonospora lupini</i> sp. nov. and <i>Micromonospora saelicesensis</i> sp. nov., isolated from root nodules of <i>Lupinus angustifolius</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 2799-2804.	1.7	108
13	<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
14	Plants Probiotics as a Tool to Produce Highly Functional Fruits: The Case of <i>Phyllobacterium</i> and Vitamin C in Strawberries. <i>PLoS ONE</i> , 2015, 10, e0122281.	2.5	106
15	Reclassification of <i>Pseudomonas aurantiaca</i> as a synonym of <i>Pseudomonas chlororaphis</i> and proposal of three subspecies, <i>P. chlororaphis</i> subsp. <i>chlororaphis</i> subsp. nov., <i>P. chlororaphis</i> subsp. <i>aureofaciens</i> subsp. nov., comb. nov. and <i>P. chlororaphis</i> subsp. <i>aurantiaca</i> subsp. nov., comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1286-1290.	1.7	99
16	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
17	<i>Micromonospora coriariae</i> sp. nov., isolated from root nodules of <i>Coriaria myrtifolia</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2381-2385.	1.7	94
18	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

#	ARTICLE	IF	CITATIONS
19	<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
20	The rhizosphere microbiome of burned holm-oak: potential role of the genus <i>Arthrobacter</i> in the recovery of burned soils. <i>Scientific Reports</i> , 2017, 7, 6008.	3.3	88
21	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
22	<i>Rhizobium cellulosityticum</i> sp. nov., isolated from sawdust of <i>Populus alba</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 844-848.	1.7	80
23	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
24	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
25	<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
26	<i>Cohnella phaseoli</i> sp. nov., isolated from root nodules of <i>Phaseolus coccineus</i> in Spain, and emended description of the genus <i>Cohnella</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1855-1859.	1.7	67
27	<i>Micromonospora mirobrigensis</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 877-880.	1.7	66
28	<i>Paenibacillus xylanilyticus</i> sp. nov., an airborne xylanolytic bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 405-408.	1.7	65
29	Hydrolytic Enzyme Production by <i>Rhizobium</i> . <i>Applied and Environmental Microbiology</i> , 1979, 38, 1186-1188.	3.1	60
30	<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
31	<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
32	<i>Kribbella lupini</i> sp. nov., isolated from the roots of <i>Lupinus angustifolius</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 407-411.	1.7	52
33	Revision of the taxonomic status of the species <i>Rhizobium lupini</i> and reclassification as <i>Bradyrhizobium lupini</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1213-1219.	1.7	52
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	<i>Marteella mediterranea</i> gen. nov., sp. nov., a novel β -proteobacterium isolated from a subterranean saline lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 955-959.	1.7	46
39	<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
40	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>sierranivadense</i>). <i>Systematic and Applied Microbiology</i> , 2014, 37, 177-185.	2.8	45
41	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
42	Title is missing!. <i>European Journal of Plant Pathology</i> , 2002, 108, 179-184.	1.7	42
43	<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
44	Genetic characterization of fast-growing rhizobia able to nodulate <i>Prosopis alba</i> in North Spain. <i>FEMS Microbiology Letters</i> , 2007, 277, 210-216.	1.8	40
45	Rhizobia 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
46	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
47	<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
48	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
49	Enhancement of resolution of low molecular weight RNA profiles by staircase electrophoresis. <i>Electrophoresis</i> , 1997, 18, 1909-1911.	2.4	35
50	<i>Alcanivorax balearicus</i> sp. nov., isolated from Lake Martel. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1331-1335.	1.7	35
51	<i>Saccharibacillus sacchari</i> gen. nov., sp. nov., isolated from sugar cane. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1850-1854.	1.7	35
52	<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
53	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
54	<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

#	ARTICLE	IF	CITATIONS
55	<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
56	<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
57	Phenotypic, genotypic, and symbiotic diversities in strains nodulating clover in different soils in Spain. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1207-1216.	1.7	25
58	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
59	<i>Promicromonospora kroppenstedtii</i> sp. nov., isolated from sandy soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1476-1481.	1.7	20
60	<i>Acinetobacter</i> strains IH9 and OCI1, two rhizospheric phosphate solubilizing isolates able to promote plant growth, constitute a new genomovar of <i>Acinetobacter calcoaceticus</i> . <i>Systematic and Applied Microbiology</i> , 2009, 32, 334-341.	2.8	20
61	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
62	Title is missing!. <i>European Journal of Plant Pathology</i> , 2000, 106, 789-793.	1.7	19
63	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
64	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
65	<i>Rhizobium</i> as plant probiotic for strawberry production under microcosm conditions. <i>Symbiosis</i> , 2015, 67, 25-32.	2.3	18
66	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
67	<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
68	<i>Paenibacillus hispanicus</i> sp. nov. isolated from <i>Triticum aestivum</i> roots. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4628-4632.	1.7	16
69	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
70	Evaluation of the API 50CH and API ZYM systems for rapid characterization of <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i> , causal agent of potato ring rot. <i>European Journal of Plant Pathology</i> , 2006, 115, 443-451.	1.7	15
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	The <i>celC</i> 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
74	<i>Bacillus terrae</i> sp. nov. isolated from <i>Cistus ladanifer</i> rhizosphere soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1478-1481.	1.7	12
75	Title is missing!. <i>European Journal of Plant Pathology</i> , 2001, 107, 931-938.	1.7	11
76	Bacteria Involved in Nitrogen-Fixing Legume Symbiosis: Current Taxonomic Perspective. , 2010, , 1-25.		11
77	Stable low molecular weight RNA profiling showed variations within <i>Sinorhizobium meliloti</i> and <i>Sinorhizobium medicae</i> nodulating different legumes from the alfalfa cross-inoculation group. <i>FEMS Microbiology Letters</i> , 2008, 282, 273-281.	1.8	10
78	Analysis of rhizobial endosymbionts of <i>Vicia</i> , <i>Lathyrus</i> and <i>Trifolium</i> 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
79	Connecting the Lab and the Field: Genome Analysis of <i>Phyllobacterium</i> and <i>Rhizobium</i> Strains and Field Performance on Two Vegetable Crops. <i>Agronomy</i> , 2021, 11, 1124.	3.0	10
80	Current Status of the Taxonomy of Bacteria Able to Establish Nitrogen-Fixing Legume Symbiosis. , 2017, , 1-43.		9
81	Heterologous Expression of Rhizobial <i>CelC2</i> Cellulase Impairs Symbiotic Signaling and Nodulation in <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 568-575.	2.6	9
82	<i>Cicer canariense</i> , an endemic legume to the Canary Islands, is nodulated in mainland Spain by fast-growing strains from symbiovar <i>trifolii</i> phylogenetically related to <i>Rhizobium leguminosarum</i> . <i>Systematic and Applied Microbiology</i> , 2015, 38, 346-350.	2.8	8
83	High taxonomic diversity of <i>Micromonospora</i> strains isolated from <i>Medicago sativa</i> nodules in Western Spain and Australia. <i>Systematic and Applied Microbiology</i> , 2020, 43, 126043.	2.8	7
84	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
85	Analysis of Cultivable Endophytic Bacteria in Roots of Maize in a Soil from León Province in Mainland Spain. , 2016, , 45-53.		5
86	Symbiovar <i>loti</i> genes are widely spread among <i>Cicer canariense</i> mesorhizobia, resulting in symbiotically effective strains. <i>Plant and Soil</i> , 2016, 398, 25-33.	3.7	4
87	Identification of Rhizobial Strains Nodulating <i>Pisum Sativum</i> in Northern Spain Soils by MALDI-TOF MS (Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry) Analysis. , 2016, , 37-44.		4
88	<i>Rhizobium</i> Symbiotic Enzyme Cellulase <i>CelC2</i> : Properties and Applications. , 2016, , 81-89.		2
89	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
90	A new approach for separating low-molecular-weight RNA molecules by staircase electrophoresis in non-sequencing gels. <i>Electrophoresis</i> , 2006, 27, 1732-1738.	2.4	1

#	ARTICLE	IF	CITATIONS
91	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