Lorena Carro

List of Publications by Year in descending order

72 papers	4,844 citations	218677 26 h-index	161849 54 g-index
75 all docs	75 docs citations	75 times ranked	2296 citing authors

#	Article	IF	Citations
1	Genome-Based Taxonomic Classification of the Phylum Actinobacteria. Frontiers in Microbiology, 2018, 9, 2007.	3.5	2,599
2	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.	2.5	155
3	The genus Micromonospora is widespread in legume root nodules: the example of Lupinus angustifolius. ISME Journal, 2010, 4, 1265-1281.	9.8	142
4	Endophytic Actinobacteria and the Interaction of Micromonospora and Nitrogen Fixing Plants. Frontiers in Microbiology, 2015, 6, 1341.	3.5	107
5	Micromonospora pisi sp. nov., isolated from root nodules of Pisum sativum. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 331-337.	1.7	106
6	Genome-based classification of micromonosporae with a focus on their biotechnological and ecological potential. Scientific Reports, 2018, 8, 525.	3.3	102
7	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
8	Diversity of Micromonospora strains isolated from nitrogen fixing nodules and rhizosphere of Pisum sativum analyzed by multilocus sequence analysis. Systematic and Applied Microbiology, 2012, 35, 73-80.	2.8	90
9	Bradyrhizobium cytisi sp. nov., isolated from effective nodules of Cytisus villosus. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2922-2927.	1.7	81
10	Alnus peptides modify membrane porosity and induce the release of nitrogen-rich metabolites from nitrogen-fixing Frankia. ISME Journal, 2015, 9, 1723-1733.	9.8	79
11	Micromonospora is a normal occupant of actinorhizal nodules. Journal of Biosciences, 2013, 38, 685-693.	1.1	67
12	Phyllobacterium endophyticum sp. nov., isolated from nodules of Phaseolus vulgaris. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 821-826.	1.7	58
13	Bradyrhizobium rifense sp. nov. isolated from effective nodules of Cytisus villosus grown in the Moroccan Rif. Systematic and Applied Microbiology, 2012, 35, 302-305.	2.8	55
14	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.	8.8	53
15	Genomic Insights Into Plant-Growth-Promoting Potentialities of the Genus Frankia. Frontiers in Microbiology, 2019, 10, 1457.	3.5	46
16	The symbiovar trifolii of Rhizobium bangladeshense and Rhizobium aegyptiacum sp. nov. nodulate Trifolium alexandrinum in Egypt. Systematic and Applied Microbiology, 2016, 39, 275-279.	2.8	44
17	Micromonospora cremea sp. nov. and Micromonospora zamorensis sp. nov., isolated from the rhizosphere of Pisum sativum. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2971-2977.	1.7	41
18	Micromonospora ureilytica sp. nov., Micromonospora noduli sp. nov. and Micromonospora vinacea sp. nov., isolated from Pisum sativum nodules. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3509-3514.	1.7	41

#	Article	IF	Citations
19	Paenibacillus endophyticus sp. nov., isolated from nodules of Cicer arietinum. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4433-4438.	1.7	37
20	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.	5.2	37
21	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.	1.7	34
22	Identification of potential transcriptional regulators of actinorhizal symbioses in Casuarina glauca and Alnus glutinosa. BMC Plant Biology, 2014, 14, 342.	3.6	34
23	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.	1.7	34
24	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. Scientific Reports, 2019, 9, 4678.	3.3	34
25	Paenibacillus lupini sp. nov., isolated from nodules of Lupinus albus. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3028-3033.	1.7	32
26	Defining the Species Micromonospora saelicesensis and Micromonospora noduli Under the Framework of Genomics. Frontiers in Microbiology, 2018, 9, 1360.	3.5	32
27	Taxonomy and systematics of plant probiotic bacteria in the genomic era. AIMS Microbiology, 2017, 3, 383-412.	2.2	29
28	Arthroamide, a Cyclic Depsipeptide with Quorum Sensing Inhibitory Activity from Arthrobacter sp.. Journal of Natural Products, 2015, 78, 2827-2831.	3.0	28
29	Micromonospora luteifusca sp. nov. isolated from cultivated Pisum sativum. Systematic and Applied Microbiology, 2016, 39, 237-242.	2.8	23
30	Micromonospora profundi sp. nov., isolated from deep marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4735-4743.	1.7	23
31	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.	5.2	22
32	Micromonospora phytophila sp. nov. and Micromonospora luteiviridis sp. nov., isolated as natural inhabitants of plant nodules. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 248-253.	1.7	22
33	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
34	Micromonospora halotolerans sp. nov., isolated from the rhizosphere of a Pisum sativum plant. Antonie Van Leeuwenhoek, 2013, 103, 1245-1254.	1.7	19
35	Micromonospora metallophores: A plant growth promotion trait useful for bacterial-assisted phytoremediation?. Science of the Total Environment, 2020, 739, 139850.	8.0	19
36	Kushneria phyllosphaerae sp. nov. and Kushneria endophytica sp. nov., plant growth promoting endophytes isolated from the halophyte plant Arthrocnemum macrostachyum. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 2800-2806.	1.7	18

#	Article	IF	Citations
37	Auraticoccus monumenti gen. nov., sp. nov., an actinomycete isolated from a deteriorated sandstone monument. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1098-1103.	1.7	17
38	Micromonospora orduensis sp. nov., isolated from deep marine sediment. Antonie Van Leeuwenhoek, 2020, 113, 397-405.	1.7	16
39	Paenibacillus periandrae sp. nov., isolated from nodules of Periandra mediterranea. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1838-1843.	1.7	16
40	Paenibacillus hispanicus sp. nov. isolated from Triticum aestivum roots. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4628-4632.	1.7	16
41	Micromonospora acroterricola sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3426-3436.	1.7	16
42	Streptomyces pharmamarensis sp. nov. isolated from a marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1165-1170.	1.7	15
43	Organic acids metabolism in Frankia alni. Symbiosis, 2016, 70, 37-48.	2.3	15
44	Halomonas radicis sp. nov., isolated from Arthrocnemum macrostachyum growing in the Odiel marshes(Spain) and emended descriptions of Halomonas xinjiangensis and Halomonas zincidurans. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 220-227.	1.7	15
45	Pseudoalteromonas rhizosphaerae sp. nov., a novel plant growth-promoting bacterium with potential use in phytoremediation. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3287-3294.	1.7	15
46	Genome Sequence of Micromonospora lupini Lupac 08, Isolated from Root Nodules of Lupinus angustifolius. Journal of Bacteriology, 2012, 194, 4135-4135.	2.2	14
47	High quality draft genome of Nakamurella lactea type strain, a rock actinobacterium, and emended description of Nakamurella lactea. Standards in Genomic Sciences, 2017, 12, 4.	1.5	14
48	Hunting for cultivable Micromonospora strains in soils of the Atacama Desert. Antonie Van Leeuwenhoek, 2018, 111, 1375-1387.	1.7	14
49	Chitinolytic actinobacteria isolated from an Algerian semi-arid soil: development of an antifungal chitinase-dependent assay and GH18 chitinase gene identification. Annals of Microbiology, 2019, 69, 395-405.	2.6	14
50	Brevundimonas canariensis sp. nov., isolated from roots of Triticum aestivum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 969-973.	1.7	14
51	Micromonospora yasonensis sp. nov., isolated from a Black Sea sediment. Antonie Van Leeuwenhoek, 2016, 109, 1019-1028.	1.7	13
52	Delftia rhizosphaerae sp. nov. isolated from the rhizosphere of Cistus ladanifer. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1957-1960.	1.7	13
53	Mycobacterium eburneum sp. nov., a non-chromogenic, fast-growing strain isolated from sputum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3174-3181.	1.7	13
54	Physiological effects of major up-regulated Alnus glutinosa peptides on Frankia sp. ACN14a. Microbiology (United Kingdom), 2016, 162, 1173-1184.	1.8	13

#	Article	IF	Citations
55	Actinomadura alkaliterrae sp. nov., isolated from an alkaline soil. Antonie Van Leeuwenhoek, 2017, 110, 787-794.	1.7	12
56	Formal description of Mycobacterium neglectum sp. nov. and Mycobacterium palauense sp. nov., rapidly growing actinobacteria. Antonie Van Leeuwenhoek, 2018, 111, 1209-1223.	1.7	12
57	Two novel species of rapidly growing mycobacteria: Mycobacterium lehmannii sp. nov. and Mycobacterium neumannii sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4948-4955.	1.7	12
58	Exploring the Plant Microbiome Through Multi-omics Approaches. , 2017, , 233-268.		11
59	Complete genome sequence of Jiangella gansuensis strain YIM 002T (DSM 44835T), the type species of the genus Jiangella and source of new antibiotic compounds. Standards in Genomic Sciences, 2017, 12, 21.	1.5	9
60	Rossellomorea arthrocnemi sp. nov., a novel plant growth-promoting bacterium used in heavy metal polluted soils as a phytoremediation tool. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	9
61	Cicer canariense, an endemic legume to the Canary Islands, is nodulated in mainland Spain by fast-growing strains from symbiovar trifolii phylogenetically related to Rhizobium leguminosarum. Systematic and Applied Microbiology, 2015, 38, 346-350.	2.8	8
62	A study of three bacteria isolated from marine sediment and description of Micromonospora globispora sp. nov.. Systematic and Applied Microbiology, 2019, 42, 190-197.	2.8	8
63	Analysis of the Interaction between Pisum sativum L. and Rhizobium laguerreae Strains Nodulating This Legume in Northwest Spain. Plants, 2020, 9, 1755.	3.5	7
64	From Roots to Leaves: The Capacity of Micromonospora to Colonize Different Legume Tissues. Phytobiomes Journal, 2022, 6, 35-44.	2.7	7
65	Jiangella anatolica sp. nov. isolated from coastal lake soil. Antonie Van Leeuwenhoek, 2019, 112, 887-895.	1.7	6
66	Knock, knock-let the bacteria in: enzymatic potential of plant associated bacteria. , 2020, , 169-178.		6
67	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition. , 2019, , 79-104.		4
68	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
69	Actinobacteria and Their Role as Plant Probiotics. Soil Biology, 2019, , 333-351.	0.8	3
70	The Taxonomy of Bacteria in the Genomic Era. , 2021, , 289-309.		2
71	Desert Actinobacterial Strains Increase Salt Stress Resilience in Crops. , 0, , .		2
72	Genomic Insight into Three Marine Micromonospora sp. Strains from the Gulf of California. Microbiology Resource Announcements, 2019, 8, .	0.6	1