

# Lorena Carro

## List of Publications by Year in descending order

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72  
papers

4,844  
citations

218381

26  
h-index

161609

54  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2296  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Roots to Leaves: The Capacity of <i>Micromonospora</i> to Colonize Different Legume Tissues. <i>Phytobiomes Journal</i> , 2022, 6, 35-44.	1.4	7
2	The Taxonomy of Bacteria in the Genomic Era. , 2021, , 289-309.		2
3	<i>Rossellomorea arthrocnemi</i> sp. nov., a novel plant growth-promoting bacterium used in heavy metal polluted soils as a phytoremediation tool. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	9
4	<i>Micromonospora orduensis</i> sp. nov., isolated from deep marine sediment. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 397-405.	0.7	16
5	Analysis of the Interaction between <i>Pisum sativum</i> L. and <i>Rhizobium laguerreae</i> Strains Nodulating This Legume in Northwest Spain. <i>Plants</i> , 2020, 9, 1755.	1.6	7
6	<i>Micromonospora metallophores</i> : A plant growth promotion trait useful for bacterial-assisted phytoremediation?. <i>Science of the Total Environment</i> , 2020, 739, 139850.	3.9	19
7	Knock, knock-let the bacteria in: enzymatic potential of plant associated bacteria. , 2020, , 169-178.		6
8	<i>Halomonas radidis</i> sp. nov., isolated from <i>Arthrocnemum macrostachyum</i> growing in the Odiel marshes(Spain) and emended descriptions of <i>Halomonas xinjiangensis</i> and <i>Halomonas zincidurans</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 220-227.	0.8	15
9	<i>Pseudoalteromonas rhizosphaerae</i> sp. nov., a novel plant growth-promoting bacterium with potential use in phytoremediation. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3287-3294.	0.8	15
10	Bacteria-Inducing Legume Nodules Involved in the Improvement of Plant Growth, Health and Nutrition. , 2019, , 79-104.		4
11	Actinobacteria and Their Role as Plant Probiotics. <i>Soil Biology</i> , 2019, , 333-351.	0.6	3
12	Genomic Insight into Three Marine <i>Micromonospora</i> sp. Strains from the Gulf of California. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	1
13	Genomic Insights Into Plant-Growth-Promoting Potentialities of the Genus <i>Frankia</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1457.	1.5	46
14	Chitinolytic actinobacteria isolated from an Algerian semi-arid soil: development of an antifungal chitinase-dependent assay and GH18 chitinase gene identification. <i>Annals of Microbiology</i> , 2019, 69, 395-405.	1.1	14
15	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. <i>Scientific Reports</i> , 2019, 9, 4678.	1.6	34
16	<i>Jiangella anatolica</i> sp. nov. isolated from coastal lake soil. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 887-895.	0.7	6
17	A study of three bacteria isolated from marine sediment and description of <i>Micromonospora globispora</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2019, 42, 190-197.	1.2	8
18	<i>Micromonospora acroterricola</i> sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3426-3436.	0.8	16

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19	Hunting for cultivable <i>Micromonospora</i> strains in soils of the Atacama Desert. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1375-1387.	0.7	14
20	Genome-based classification of micromonosporae with a focus on their biotechnological and ecological potential. <i>Scientific Reports</i> , 2018, 8, 525.	1.6	102
21	Formal description of <i>Mycobacterium neglectum</i> sp. nov. and <i>Mycobacterium palauense</i> sp. nov., rapidly growing actinobacteria. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1209-1223.	0.7	12
22	Genome-Based Taxonomic Classification of the Phylum Actinobacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 2007.	1.5	2,599
23	Defining the Species <i>Micromonospora saelicesensis</i> and <i>Micromonospora noduli</i> Under the Framework of Genomics. <i>Frontiers in Microbiology</i> , 2018, 9, 1360.	1.5	32
24	<i>Micromonospora phytophila</i> sp. nov. and <i>Micromonospora luteiviridis</i> sp. nov., isolated as natural inhabitants of plant nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 248-253.	0.8	22
25	<i>Kushneria phyllosphaerae</i> sp. nov. and <i>Kushneria endophytica</i> sp. nov., plant growth promoting endophytes isolated from the halophyte plant <i>Arthrocnemum macrostachyum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2800-2806.	0.8	18
26	<i>Actinomadura alkaliterrae</i> sp. nov., isolated from an alkaline soil. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 787-794.	0.7	12
27	Complete genome sequence of <i>Jiangella gansuensis</i> strain YIM 002T (DSM 44835T), the type species of the genus <i>Jiangella</i> and source of new antibiotic compounds. <i>Standards in Genomic Sciences</i> , 2017, 12, 21.	1.5	9
28	High quality draft genome of <i>Nakamurella lactea</i> type strain, a rock actinobacterium, and emended description of <i>Nakamurella lactea</i> . <i>Standards in Genomic Sciences</i> , 2017, 12, 4.	1.5	14
29	Exploring the Plant Microbiome Through Multi-omics Approaches. , 2017, , 233-268.		11
30	The Legume Nodule Microbiome: A Source of Plant Growth-Promoting Bacteria. , 2017, , 41-70.		20
31	<i>Brevundimonas canariensis</i> sp. nov., isolated from roots of <i>Triticum aestivum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 969-973.	0.8	14
32	<i>Delftia rhizosphaerae</i> sp. nov. isolated from the rhizosphere of <i>Cistus ladanifer</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1957-1960.	0.8	13
33	<i>Mycobacterium eburneum</i> sp. nov., a non-chromogenic, fast-growing strain isolated from sputum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3174-3181.	0.8	13
34	Two novel species of rapidly growing mycobacteria: <i>Mycobacterium lehmannii</i> sp. nov. and <i>Mycobacterium neumannii</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4948-4955.	0.8	12
35	Taxonomy and systematics of plant probiotic bacteria in the genomic era. <i>AIMS Microbiology</i> , 2017, 3, 383-412.	1.0	29
36	Organic acids metabolism in <i>Frankia alni</i> . <i>Symbiosis</i> , 2016, 70, 37-48.	1.2	15

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37	<i>Micromonospora luteifusca</i> sp. nov. isolated from cultivated <i>Pisum sativum</i> . Systematic and Applied Microbiology, 2016, 39, 237-242.	1.2	23
38	<i>Micromonospora yasonensis</i> sp. nov., isolated from a Black Sea sediment. Antonie Van Leeuwenhoek, 2016, 109, 1019-1028.	0.7	13
39	The symbiovar <i>trifolii</i> of <i>Rhizobium bangladeshense</i> and <i>Rhizobium aegyptiacum</i> sp. nov. nodulate <i>Trifolium alexandrinum</i> in Egypt. Systematic and Applied Microbiology, 2016, 39, 275-279.	1.2	44
40	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
41	<i>Paenibacillus periandrae</i> sp. nov., isolated from nodules of <i>Periandra mediterranea</i> . International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 1838-1843.	0.8	16
42	<i>Micromonospora ureilytica</i> sp. nov., <i>Micromonospora noduli</i> sp. nov. and <i>Micromonospora vinacea</i> sp. nov., isolated from <i>Pisum sativum</i> nodules. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3509-3514.	0.8	41
43	<i>Paenibacillus hispanicus</i> sp. nov. isolated from <i>Triticum aestivum</i> roots. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4628-4632.	0.8	16
44	<i>Micromonospora profundi</i> sp. nov., isolated from deep marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4735-4743.	0.8	23
45	Physiological effects of major up-regulated <i>Alnus glutinosa</i> peptides on <i>Frankia</i> sp. ACN14a. Microbiology (United Kingdom), 2016, 162, 1173-1184.	0.7	13
46	Endophytic Actinobacteria and the Interaction of <i>Micromonospora</i> and Nitrogen Fixing Plants. Frontiers in Microbiology, 2015, 6, 1341.	1.5	107
47	Arthroamide, a Cyclic Depsipeptide with Quorum Sensing Inhibitory Activity from <i>Arthrobacter</i> sp.. Journal of Natural Products, 2015, 78, 2827-2831.	1.5	28
48	<i>Alnus</i> peptides modify membrane porosity and induce the release of nitrogen-rich metabolites from nitrogen-fixing <i>Frankia</i> . ISME Journal, 2015, 9, 1723-1733.	4.4	79
49	<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> . Systematic and Applied Microbiology, 2015, 38, 346-350.	1.2	8
50	Identification of potential transcriptional regulators of actinorhizal symbioses in <i>Casuarina glauca</i> and <i>Alnus glutinosa</i> . BMC Plant Biology, 2014, 14, 342.	1.6	34
51	<i>Cohnella lupini</i> sp. nov., an endophytic bacterium isolated from root nodules of <i>Lupinus albus</i> . International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 83-87.	0.8	34
52	Inoculation of the Nonlegume <i>Capsicum annum</i> L. with <i>Rhizobium</i> Strains. 2. Changes in Sterols, Triterpenes, Fatty Acids, and Volatile Compounds. Journal of Agricultural and Food Chemistry, 2014, 62, 565-573.	2.4	22
53	<i>Paenibacillus lupini</i> sp. nov., isolated from nodules of <i>Lupinus albus</i> . International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3028-3033.	0.8	32
54	Inoculation of the Nonlegume <i>Capsicum annum</i> (L.) with <i>Rhizobium</i> Strains. 1. Effect on Bioactive Compounds, Antioxidant Activity, and Fruit Ripeness. Journal of Agricultural and Food Chemistry, 2014, 62, 557-564.	2.4	37

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55	<i>Paenibacillus endophyticus</i> sp. nov., isolated from nodules of <i>Cicer arietinum</i> . International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4433-4438.	0.8	37
56	<i>Micromonospora halotolerans</i> sp. nov., isolated from the rhizosphere of a <i>Pisum sativum</i> plant. Antonie Van Leeuwenhoek, 2013, 103, 1245-1254.	0.7	19
57	<i>Micromonospora</i> is a normal occupant of actinorhizal nodules. Journal of Biosciences, 2013, 38, 685-693.	0.5	67
58	<i>Phyllobacterium endophyticum</i> sp. nov., isolated from nodules of <i>Phaseolus vulgaris</i> . International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 821-826.	0.8	58
59	Genome Sequence of <i>Micromonospora lupini</i> Lupac 08, Isolated from Root Nodules of <i>Lupinus angustifolius</i> . Journal of Bacteriology, 2012, 194, 4135-4135.	1.0	14
60	<i>Herbaspirillum canariense</i> sp. nov., <i>Herbaspirillum aurantiacum</i> sp. nov. and <i>Herbaspirillum soli</i> sp. nov., isolated from volcanic mountain soil, and emended description of the genus <i>Herbaspirillum</i> . International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1300-1306.	0.8	34
61	<i>Streptomyces pharmamarensis</i> sp. nov. isolated from a marine sediment. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1165-1170.	0.8	15
62	<i>Micromonospora crema</i> sp. nov. and <i>Micromonospora zamorensis</i> sp. nov., isolated from the rhizosphere of <i>Pisum sativum</i> . International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2971-2977.	0.8	41
63	<i>Bradyrhizobium rifense</i> sp. nov. isolated from effective nodules of <i>Cytisus villosus</i> grown in the Moroccan Rif. Systematic and Applied Microbiology, 2012, 35, 302-305.	1.2	55
64	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
65	Diversity of <i>Micromonospora</i> strains isolated from nitrogen fixing nodules and rhizosphere of <i>Pisum sativum</i> analyzed by multilocus sequence analysis. Systematic and Applied Microbiology, 2012, 35, 73-80.	1.2	90
66	Distribution and efficiency of <i>Rhizobium leguminosarum</i> strains nodulating <i>Phaseolus vulgaris</i> in Northern Spanish soils: Selection of native strains that replace conventional N fertilization. Soil Biology and Biochemistry, 2011, 43, 2283-2293.	4.2	53
67	<i>Bradyrhizobium cytisi</i> sp. nov., isolated from effective nodules of <i>Cytisus villosus</i> . International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2922-2927.	0.8	81
68	<i>Auraticoccus monumenti</i> gen. nov., sp. nov., an actinomycete isolated from a deteriorated sandstone monument. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 1098-1103.	0.8	17
69	The genus <i>Micromonospora</i> is widespread in legume root nodules: the example of <i>Lupinus angustifolius</i> . ISME Journal, 2010, 4, 1265-1281.	4.4	142
70	<i>Micromonospora pisi</i> sp. nov., isolated from root nodules of <i>Pisum sativum</i> . International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 331-337.	0.8	106
71	<i>Micromonospora coriariae</i> sp. nov., isolated from root nodules of <i>Coriaria myrtifolia</i> . International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2381-2385.	0.8	94
72	Desert Actinobacterial Strains Increase Salt Stress Resilience in Crops. , 0, , .		2