

Marta Robledo Garrido

List of Publications by Year in descending order

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26
papers

844
citations

687363

13
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	<i>Rhizobium</i> 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.	7.1	119
3	Role of Rhizobium endoglucanase CelC2 in cellulose biosynthesis and biofilm formation on plant roots and abiotic surfaces. Microbial Cell Factories, 2012, 11, 125.	4.0	86
4	Genome-wide profiling of Hfq-binding RNAs uncovers extensive post-transcriptional rewiring of major stress response and symbiotic regulons in <i>Sinorhizobium meliloti</i> . RNA Biology, 2014, 11, 563-579.	3.1	65
5	A Stress-Induced Small RNA Modulates Alpha-Rhizobial Cell Cycle Progression. PLoS Genetics, 2015, 11, e1005153.	3.5	51
6	Riboregulation in plant-associated $\hat{\pm}$ -proteobacteria. RNA Biology, 2014, 11, 550-562.	3.1	43
7	Spatiotemporal choreography of chromosome and megaplasmids in the <i>Sinorhizobium meliloti</i> cell cycle. Molecular Microbiology, 2016, 100, 808-823.	2.5	37
8	The stress-related, rhizobial small RNA RcsR1 destabilizes the autoinducer synthase encoding mRNA <i>sinI</i> in <i>Sinorhizobium meliloti</i> . RNA Biology, 2016, 13, 486-499.	3.1	35
9	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.	2.6	31
10	<i>Sinorhizobium meliloti</i> YbeY is an endoribonuclease with unprecedented catalytic features, acting as silencing enzyme in riboregulation. Nucleic Acids Research, 2017, 45, 1371-1391.	14.5	29
11	A conserved $\hat{\pm}$ -proteobacterial small RNA contributes to osmoadaptation and symbiotic efficiency of rhizobia on legume roots. Environmental Microbiology, 2017, 19, 2661-2680.	3.8	27
12	A ClpB Chaperone Knockout Mutant of <i>Mesorhizobium ciceri</i> Shows a Delay in the Root Nodulation of Chickpea Plants. Molecular Plant-Microbe Interactions, 2012, 25, 1594-1604.	2.6	23
13	Antisense transcription of symbiotic genes in <i>Sinorhizobium meliloti</i> . Symbiosis, 2015, 67, 55-67.	2.3	23
14	Unraveling the universe of small RNA regulators in the legume symbiont <i>Sinorhizobium meliloti</i> . Symbiosis, 2015, 67, 43-54.	2.3	15
15	The celC gene, a new phylogenetic marker useful for taxonomic studies in Rhizobium. Systematic and Applied Microbiology, 2011, 34, 393-399.	2.8	13
16	An sRNA and Cold Shock Protein Homolog-Based Feedforward Loop Post-transcriptionally Controls Cell Cycle Master Regulator CtrA. Frontiers in Microbiology, 2018, 9, 763.	3.5	12
17	Riboregulation in Nitrogen-Fixing Endosymbiotic Bacteria. Microorganisms, 2020, 8, 384.	3.6	12
18	Heterologous Expression of Rhizobial CelC2 Cellulase Impairs Symbiotic Signaling and Nodulation in <i>Medicago truncatula</i> . Molecular Plant-Microbe Interactions, 2018, 31, 568-575.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Sinorhizobium meliloti RNase III: Catalytic Features and Impact on Symbiosis. <i>Frontiers in Genetics</i> , 2018, 9, 350.	2.3	9
20	Primary Characterization of Small RNAs in Symbiotic Nitrogen-Fixing Bacteria. <i>Methods in Molecular Biology</i> , 2018, 1734, 277-295.	0.9	8
21	Synthetase of the methyl donor S-adenosylmethionine from nitrogen-fixing $\hat{\pm}$ -rhizobia can bind functionally diverse RNA species. <i>RNA Biology</i> , 2021, 18, 1111-1123.	3.1	8
22	RNA silencing in plant symbiotic bacteria: Insights from a protein-centric view. <i>RNA Biology</i> , 2017, 14, 1672-1677.	3.1	7
23	Pervasive RNA Regulation of Metabolism Enhances the Root Colonization Ability of Nitrogen-Fixing Symbiotic $\hat{\pm}$ -Rhizobia. <i>MBio</i> , 2022, 13, e0357621.	4.1	7
24	Identification of Small RNA-Protein Partners in Plant Symbiotic Bacteria. <i>Methods in Molecular Biology</i> , 2018, 1737, 351-370.	0.9	6
25	The noncoding RNA CcnA modulates the master cell cycle regulators CtrA and GcrA in <i>Caulobacter crescentus</i> . <i>PLoS Biology</i> , 2022, 20, e3001528.	5.6	6
26	Rhizobium Symbiotic Enzyme Cellulase CelC2: Properties and Applications. , 2016, , 81-89.		2