Rose Adele Monteiro

List of Publications by Citations

30 papers	610 citations	13 h-index	24 g-index
30 ext. papers	749 ext. citations	4.8 avg, IF	3 L-index

#	Paper	IF	Citations
30	Genome of Herbaspirillum seropedicae strain SmR1, a specialized diazotrophic endophyte of tropical grasses. *PLoS Genetics*, **2011**, 7, e1002064	6	151
29	Herbaspirillum-plant interactions: microscopical, histological and molecular aspects. *Plant and Soil*, **2012**, 356, 175-196	4.2	111
28	Exopolysaccharide biosynthesis enables mature biofilm formation on abiotic surfaces by Herbaspirillum seropedicae. *PLoS ONE*, **2014**, 9, e110392	3.7	42
27	Maize root lectins mediate the interaction with Herbaspirillum seropedicae via N-acetyl glucosamine residues of lipopolysaccharides. *PLoS ONE*, **2013**, 8, e77001	3.7	34
26	Nitrogen fixation control in Herbaspirillum seropedicae. *Plant and Soil*, **2012**, 356, 197-207	4.2	33
25	Rapid identification of bacterial isolates from wheat roots by high resolution whole cell MALDI-TOF MS analysis. *Journal of Biotechnology*, **2013**, 165, 167-74	3.7	32
24	Characterization of a new Acidobacteria-derived moderately thermostable lipase from a Brazilian Atlantic Forest soil metagenome. *FEMS Microbiology Ecology*, **2012**, 81, 386-94	4.3	27
23	In-trans regulation of the N-truncated-NIFA protein of Herbaspirillum seropedicae by the N-terminal domain. *FEMS Microbiology Letters*, **1999**, 180, 157-61	2.9	19
22	Draft genome sequence of Herbaspirillum lusitanum P6-12, an endophyte isolated from root nodules of Phaseolus vulgaris. *Journal of Bacteriology*, **2012**, 194, 4136-7	3.5	18
21	Proteomic analysis of Herbaspirillum seropedicae cultivated in the presence of sugar cane extract. *Journal of Proteome Research*, **2013**, 12, 1142-50	5.6	17
20	A two-dimensional electrophoretic profile of the proteins secreted by Herbaspirillum seropedicae strain Z78. *Journal of Proteomics*, **2009**, 73, 50-6	3.9	16
19	A two-dimensional proteome reference map of Herbaspirillum seropedicae proteins. *Proteomics*, **2007**, 7, 3759-63	4.8	16
18	In-Situ Metabolomic Analysis of Roots Colonized by Beneficial Endophytic Bacteria. *Molecular Plant-Microbe Interactions*, **2020**, 33, 272-283	3.6	16
17	RNA-seq analyses reveal insights into the function of respiratory nitrate reductase of the diazotroph Herbaspirillum seropedicae. *Environmental Microbiology*, **2016**, 18, 2677-88	5.2	10
16	Herbaspirillum rubrisubalbicans, a mild pathogen impairs growth of rice by augmenting ethylene levels. *Plant Molecular Biology*, **2017**, 94, 625-640	4.6	8
15	What Did We Learn From Plant Growth-Promoting Rhizobacteria (PGPR)-Grass Associations Studies Through Proteomic and Metabolomic Approaches?. *Frontiers in Sustainable Food Systems*, **2020**, 4,	4.8	7
14	Structural characterization of the RNA chaperone Hfq from the nitrogen-fixing bacterium Herbaspirillum seropedicae SmR1. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2012**, 1824, 359-65	4	7

List of Publications

13	Proteomic and Metabolomic Analysis of Mutant under High and Low Nitrogen Conditions. *Journal of Proteome Research*, **2020**, 19, 92-105	5.6	7
12	Modulation of defence and iron homeostasis genes in rice roots by the diazotrophic endophyte Herbaspirillum seropedicae. *Scientific Reports*, **2019**, 9, 10573	4.9	6
11	Structural organization of the glnBA region of the Azospirillum brasilense genome. *European Journal of Soil Biology*, **2009**, 45, 100-105	2.9	5
10	Diverse Bacterial Genes Modulate Plant Root Association by Beneficial Bacteria. *MBio*, **2020**, 11,	7.8	5
9	Genetic and functional characterization of a novel meta-pathway for degradation of naringenin in Herbaspirillum seropedicae SmR1. *Environmental Microbiology*, **2016**, 18, 4653-4661	5.2	5
8	as a Phytopathogenic Model to Study the Immune System of. *Molecular Plant-Microbe Interactions*, **2020**, 33, 235-246	3.6	4
7	Enhanced oxygen consumption in Herbaspirillum seropedicae fnr mutants leads to increased NifA mediated transcriptional activation. *BMC Microbiology*, **2015**, 15, 95	4.5	3
6	Mutational analysis of GlnB residues critical for NifA activation in Azospirillum brasilense. *Microbiological Research*, **2015**, 171, 65-72	5.3	3
5	Cellulose production increases sorghum colonization and the pathogenic potential of Herbaspirillum rubrisubalbicans M1. *Scientific Reports*, **2019**, 9, 4041	4.9	2
4	In silico prediction and expression profile analysis of small non-coding RNAs in Herbaspirillum seropedicae SmR1. *BMC Genomics*, **2020**, 21, 134	4.5	2
3	Hierarchical interactions between Fnr orthologs allows fine-tuning of transcription in response to oxygen in Herbaspirillum seropedicae. *Nucleic Acids Research*, **2018**, 46, 3953-3966	20.1	2
2	Regulation of Herbaspirillum seropedicae NifA by the GlnK PII signal transduction protein is mediated by effectors binding to allosteric sites. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140348	4	2
1	Comparative Genomics of Herbaspirillum Species **2014**, 171-198		0