

# Emanuel Maltempi de Souza

## List of Publications by Citations

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142  
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147  
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3,150  
ext. citations

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#	Paper	IF	Citations
142	Genome of <i>Herbaspirillum seropedicae</i> strain SmR1, a specialized diazotrophic endophyte of tropical grasses. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002064	6	151
141	Identification and characterization of a new true lipase isolated through metagenomic approach. <i>Microbial Cell Factories</i> , <b>2011</b> , 10, 54	6.4	127
140	Dual RNA-seq transcriptional analysis of wheat roots colonized by <i>Azospirillum brasilense</i> reveals up-regulation of nutrient acquisition and cell cycle genes. <i>BMC Genomics</i> , <b>2014</b> , 15, 378	4.5	96
139	Exploring the genomic diversity of black yeasts and relatives (, ). <i>Studies in Mycology</i> , <b>2017</b> , 86, 1-28	22.2	93
138	Diversity of endophytic bacteria in Brazilian sugarcane. <i>Genetics and Molecular Research</i> , <b>2010</b> , 9, 250-8	1.2	91
137	<i>Herbaspirillum seropedicae</i> rfbB and rfbC genes are required for maize colonization. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 2233-44	5.2	79
136	16S ribosomal DNA characterization of nitrogen-fixing bacteria isolated from banana ( <i>Musa</i> spp.) and pineapple ( <i>Ananas comosus</i> (L.) Merrill). <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 2375-9	4.8	79
135	First evidence for the salt-dependent folding and activity of an esterase from the halophilic archaea <i>Haloarcula marismortui</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2009</b> , 1791, 719-29	5	78
134	PII signal transduction proteins: pivotal players in post-translational control of nitrogenase activity. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 176-190	2.9	57
133	Virulence characteristics and antimicrobial susceptibility of uropathogenic <i>Escherichia coli</i> strains. <i>Genetics and Molecular Research</i> , <b>2011</b> , 10, 4114-25	1.2	47
132	FGAP: an automated gap closing tool. <i>BMC Research Notes</i> , <b>2014</b> , 7, 371	2.3	45
131	RNA-seq transcriptional profiling of <i>Herbaspirillum seropedicae</i> colonizing wheat ( <i>Triticum aestivum</i> ) roots. <i>Plant Molecular Biology</i> , <b>2016</b> , 90, 589-603	4.6	44
130	Isolation of a novel lipase from a metagenomic library derived from mangrove sediment from the south Brazilian coast. <i>Genetics and Molecular Research</i> , <b>2010</b> , 9, 514-23	1.2	44
129	Oligomerization as a strategy for cold adaptation: Structure and dynamics of the GH1 $\beta$ glucosidase from <i>Exiguobacterium antarcticum</i> B7. <i>Scientific Reports</i> , <b>2016</b> , 6, 23776	4.9	43
128	Metabolic profiling of two maize ( <i>Zea mays</i> L.) inbred lines inoculated with the nitrogen fixing plant-interacting bacteria <i>Herbaspirillum seropedicae</i> and <i>Azospirillum brasilense</i> . <i>PLoS ONE</i> , <b>2017</b> , 12, e0174576	3.7	43
127	A novel cold-adapted and glucose-tolerant GH1 $\beta$ glucosidase from <i>Exiguobacterium antarcticum</i> B7. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 375-80	7.9	42
126	Exopolysaccharide biosynthesis enables mature biofilm formation on abiotic surfaces by <i>Herbaspirillum seropedicae</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e110392	3.7	42

125	Diversity of 16S rRNA genes from bacteria of sugarcane rhizosphere soil. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 1215-21	2.8	40
124	Naringenin regulates expression of genes involved in cell wall synthesis in <i>Herbaspirillum seropedicae</i> . <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 2180-3	4.8	38
123	Two roles for integration host factor at an enhancer-dependent <i>nifA</i> promoter. <i>Molecular Microbiology</i> , <b>2000</b> , 35, 756-64	4.1	37
122	Detection of misidentifications of species from the <i>Burkholderia cepacia</i> complex and description of a new member, the soil bacterium <i>Burkholderia catarinensis</i> sp. nov. <i>Pathogens and Disease</i> , <b>2017</b> , 75,	4.2	35
121	Maize root lectins mediate the interaction with <i>Herbaspirillum seropedicae</i> via N-acetyl glucosamine residues of lipopolysaccharides. <i>PLoS ONE</i> , <b>2013</b> , 8, e77001	3.7	34
120	Nitrogen fixation control in <i>Herbaspirillum seropedicae</i> . <i>Plant and Soil</i> , <b>2012</b> , 356, 197-207	4.2	33
119	Rapid identification of bacterial isolates from wheat roots by high resolution whole cell MALDI-TOF MS analysis. <i>Journal of Biotechnology</i> , <b>2013</b> , 165, 167-74	3.7	32
118	Comparative proteomics analysis of the rice roots colonized by <i>Herbaspirillum seropedicae</i> strain SmR1 reveals induction of the methionine recycling in the plant host. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 4757-68	5.6	31
117	Crystal structure of the GlnZ-DraG complex reveals a different form of PII-target interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 18972-6	11.5	31
116	GFinisher: a new strategy to refine and finish bacterial genome assemblies. <i>Scientific Reports</i> , <b>2016</b> , 6, 34963	4.9	30
115	Naringenin degradation by the endophytic diazotroph <i>Herbaspirillum seropedicae</i> SmR1. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 167-175	2.9	29
114	Characterization of a new <i>Acidobacteria</i> -derived moderately thermostable lipase from a Brazilian Atlantic Forest soil metagenome. <i>FEMS Microbiology Ecology</i> , <b>2012</b> , 81, 386-94	4.3	27
113	Search for novel targets of the PII signal transduction protein in Bacteria identifies the BCCP component of acetyl-CoA carboxylase as a PII binding partner. <i>Molecular Microbiology</i> , <b>2014</b> , 91, 751-61	4.1	27
112	The type III secretion system is necessary for the development of a pathogenic and endophytic interaction between <i>Herbaspirillum rubrisubalbicans</i> and Poaceae. <i>BMC Microbiology</i> , <b>2012</b> , 12, 98	4.5	25
111	Immobilization of LipC12, a new lipase obtained by metagenomics, and its application in the synthesis of biodiesel esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 116, 45-51		23
110	New Heterofunctional Supports Based on Glutaraldehyde-Activation: A Tool for Enzyme Immobilization at Neutral pH. <i>Molecules</i> , <b>2017</b> , 22,	4.8	21
109	The -374A allele of the receptor for advanced glycation end products (RAGE) gene promoter is a protective factor against cardiovascular lesions in type 2 diabetes mellitus patients. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2007</b> , 45, 1268-72	5.9	21
108	The protective role of PHB and its degradation products against stress situations in bacteria. <i>FEMS Microbiology Reviews</i> , <b>2021</b> , 45,	15.1	21

107	Quantification of <i>Azospirillum brasilense</i> FP2 Bacteria in Wheat Roots by Strain-Specific Quantitative PCR. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 6700-9	4.8	20
106	Regulation of nitrogenase by reversible mono-ADP-ribosylation. <i>Current Topics in Microbiology and Immunology</i> , <b>2015</b> , 384, 89-106	3.3	20
105	Cinnamaldehyde induces changes in the protein profile of <i>Salmonella Typhimurium</i> biofilm. <i>Research in Microbiology</i> , <b>2018</b> , 169, 33-43	4	18
104	Heat stability of Proteobacterial PII protein facilitate purification using a single chromatography step. <i>Protein Expression and Purification</i> , <b>2012</b> , 81, 83-88	2	18
103	Evidence for the endophytic colonization of <i>Phaseolus vulgaris</i> (common bean) roots by the diazotroph <i>Herbaspirillum seropedicae</i> . <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 182-5	2.8	18
102	Proteomic analysis of <i>Herbaspirillum seropedicae</i> reveals ammonium-induced AmtB-dependent membrane sequestration of PII proteins. <i>FEMS Microbiology Letters</i> , <b>2010</b> , 308, 40-7	2.9	18
101	Draft genome sequence of <i>Herbaspirillum lusitanum</i> P6-12, an endophyte isolated from root nodules of <i>Phaseolus vulgaris</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4136-7	3.5	18
100	Phenotypic and genotypic traits of Shiga toxin-producing <i>Escherichia coli</i> strains isolated from beef cattle from Paraná State, southern Brazil. <i>Letters in Applied Microbiology</i> , <b>2007</b> , 44, 607-12	2.9	18
99	High levels of active quiescin Q6 sulfhydryl oxidase (QSOX) are selectively present in fetal serum. <i>Redox Report</i> , <b>2005</b> , 10, 319-23	5.9	18
98	Polymorphisms in FTO and TCF7L2 genes of Euro-Brazilian women with gestational diabetes. <i>Clinical Biochemistry</i> , <b>2015</b> , 48, 1064-7	3.5	17
97	Proteomic analysis of <i>Herbaspirillum seropedicae</i> cultivated in the presence of sugar cane extract. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 1142-50	5.6	17
96	Influence of the ADP/ATP ratio, 2-oxoglutarate and divalent ions on <i>Azospirillum brasilense</i> PII protein signalling. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 1656-1663	2.9	17
95	Metataxonomic and metagenomic analysis of mangrove microbiomes reveals community patterns driven by salinity and pH gradients in Paranaguá Bay, Brazil. <i>Science of the Total Environment</i> , <b>2019</b> , 694, 133609	10.2	16
94	Role of PII proteins in nitrogen fixation control of <i>Herbaspirillum seropedicae</i> strain SmR1. <i>BMC Microbiology</i> , <b>2011</b> , 11, 8	4.5	16
93	A two-dimensional electrophoretic profile of the proteins secreted by <i>Herbaspirillum seropedicae</i> strain Z78. <i>Journal of Proteomics</i> , <b>2009</b> , 73, 50-6	3.9	16
92	A two-dimensional proteome reference map of <i>Herbaspirillum seropedicae</i> proteins. <i>Proteomics</i> , <b>2007</b> , 7, 3759-63	4.8	16
91	In vitro uridylation of the <i>Azospirillum brasilense</i> N-signal transducing GlnZ protein. <i>Protein Expression and Purification</i> , <b>2004</b> , 33, 19-24	2	16
90	Comparative Plastid Genomics of Neotropical (Orchidaceae; Epidendroideae). <i>Frontiers in Plant Science</i> , <b>2020</b> , 11, 799	6.2	15

89	Performance of different wheat genotypes inoculated with the plant growth promoting bacterium <i>Herbaspirillum seropedicae</i> . <i>European Journal of Soil Biology</i> , <b>2014</b> , 64, 1-5	2.9	15
88	Importance of Poly-3-Hydroxybutyrate Metabolism to the Ability of <i>Herbaspirillum seropedicae</i> To Promote Plant Growth. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	15
87	First co-expression of a lipase and its specific foldase obtained by metagenomics. <i>Microbial Cell Factories</i> , <b>2014</b> , 13, 171	6.4	14
86	Interaction of GlnK with the GAF domain of <i>Herbaspirillum seropedicae</i> NifA mediates N <sub>2</sub> -regulation. <i>Biochimie</i> , <b>2012</b> , 94, 1041-7	4.6	14
85	Identification and characterization of PhbF: a DNA binding protein with regulatory role in the PHB metabolism of <i>Herbaspirillum seropedicae</i> SmR1. <i>BMC Microbiology</i> , <b>2011</b> , 11, 230	4.5	14
84	Chemical composition of lipopolysaccharides isolated from various endophytic nitrogen-fixing bacteria of the genus <i>Herbaspirillum</i> . <i>Canadian Journal of Microbiology</i> , <b>2010</b> , 56, 342-7	3.2	14
83	Purification and characterization of the bifunctional uridylyltransferase and the signal transducing proteins GlnB and GlnK from <i>Herbaspirillum seropedicae</i> . <i>Protein Expression and Purification</i> , <b>2007</b> , 55, 293-9	2	14
82	The -429 T>C polymorphism of the receptor for advanced glycation end products (RAGE) is associated with type 1 diabetes in a Brazilian population. <i>Clinica Chimica Acta</i> , <b>2007</b> , 383, 163-4	6.2	14
81	Dynamics of the <i>Escherichia coli</i> proteome in response to nitrogen starvation and entry into the stationary phase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2017</b> , 1865, 344-352	4	13
80	Identification of a new lipase family in the Brazilian Atlantic Forest soil metagenome. <i>Environmental Microbiology Reports</i> , <b>2011</b> , 3, 750-5	3.7	13
79	Induction of a gloverin-like antimicrobial polypeptide in the sugarcane borer <i>Diatraea saccharalis</i> challenged by septic injury. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2010</b> , 43, 431-6	2.8	13
78	The transcriptional regulator NtrC controls glucose-6-phosphate dehydrogenase expression and polyhydroxybutyrate synthesis through NADPH availability in <i>Herbaspirillum seropedicae</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 13546	4.9	12
77	Labeled <i>Azospirillum brasilense</i> wild type and excretion-ammonium strains in association with barley roots. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 118, 422-426	5.4	12
76	In vitro interaction between the ammonium transport protein AmtB and partially uridylylated forms of the P(II) protein GlnZ. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2011</b> , 1814, 1203-4		12
75	The polymorphisms -1131T>C and the S19W of the APOA5 gene are not associated with coronary artery disease in a Brazilian population. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2010</b> , 48, 419-22	5.9	11
74	New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. <i>Catalysts</i> , <b>2016</b> , 6, 191	4	11
73	Chemoprotective activity of mixed valence polyoxovanadates against diethylsulphate in <i>E. coli</i> cultures: insights from solution speciation studies. <i>RSC Advances</i> , <b>2016</b> , 6, 114955-114968	3.7	11
72	Microbial communities network analysis of anaerobic reactors fed with bovine and swine slurry. <i>Science of the Total Environment</i> , <b>2020</b> , 742, 140314	10.2	10

71	The glucokinase gene promoter polymorphism -30G>A (rs1799884) is associated with fasting glucose in healthy pregnant women but not with gestational diabetes. <i>Clinica Chimica Acta</i> , <b>2010</b> , 411, 892-3	6.2	10
70	A prospective study on Shiga toxin-producing <i>Escherichia coli</i> in children with diarrhea in Paraná State, Brazil. <i>Letters in Applied Microbiology</i> , <b>2009</b> , 48, 645-7	2.9	10
69	Draft genome sequence of <i>Paraburkholderia tropica</i> Ppe8 strain, a sugarcane endophytic diazotrophic bacterium. <i>Brazilian Journal of Microbiology</i> , <b>2018</b> , 49, 210-211	2.2	9
68	Proteome analysis of an <i>Escherichia coli</i> ptsN-null strain under different nitrogen regimes. <i>Journal of Proteomics</i> , <b>2018</b> , 174, 28-35	3.9	9
67	Uridylation of <i>Herbaspirillum seropedicae</i> GlnB and GlnK proteins is differentially affected by ATP, ADP and 2-oxoglutarate in vitro. <i>Archives of Microbiology</i> , <b>2012</b> , 194, 643-52	3	9
66	The functional polymorphisms -429T>C and -374T>A of the RAGE gene promoter are not associated with gestational diabetes in Euro-Brazilians. <i>Genetics and Molecular Research</i> , <b>2010</b> , 9, 1130-5	1.2	9
65	Expression, purification, and DNA-binding activity of the <i>Herbaspirillum seropedicae</i> RecX protein. <i>Protein Expression and Purification</i> , <b>2004</b> , 35, 298-303	2	9
64	Tailoring recombinant lipases: keeping the His-tag favors esterification reactions, removing it favors hydrolysis reactions. <i>Scientific Reports</i> , <b>2018</b> , 8, 10000	4.9	9
63	Biochemical characteristics, adhesion, and cytotoxicity of environmental and clinical isolates of <i>Herbaspirillum</i> spp. <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 302-8	9.7	8
62	Serum Fluorescent Advanced Glycation End (F-AGE) products in gestational diabetes patients. <i>Archives of Endocrinology and Metabolism</i> , <b>2017</b> , 61, 233-237	2.2	8
61	Polymorphisms of the promoter and exon 3 of the receptor for advanced glycation end products (RAGE) in Euro- and Afro-Brazilians. <i>International Journal of Immunogenetics</i> , <b>2012</b> , 39, 155-60	2.3	8
60	<i>Herbaspirillum rubrisubalbicans</i> , a mild pathogen impairs growth of rice by augmenting ethylene levels. <i>Plant Molecular Biology</i> , <b>2017</b> , 94, 625-640	4.6	8
59	A NodD-like protein activates transcription of genes involved with naringenin degradation in a flavonoid-dependent manner in <i>Herbaspirillum seropedicae</i> . <i>Environmental Microbiology</i> , <b>2017</b> , 19, 1030-1040	5.2	8
58	Structural analysis of <i>Herbaspirillum seropedicae</i> lipid-A and of two mutants defective to colonize maize roots. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 384-91	7.9	8
57	The involvement of the nif-associated ferredoxin-like genes fdxA and fdxN of <i>Herbaspirillum seropedicae</i> in nitrogen fixation. <i>Journal of Microbiology</i> , <b>2010</b> , 48, 77-83	3	8
56	Inter-domain cross-talk controls the NifA protein activity of <i>Herbaspirillum seropedicae</i> . <i>FEBS Letters</i> , <b>2001</b> , 508, 1-4	3.8	8
55	Sugarcane apoplast fluid modulates the global transcriptional profile of the diazotrophic bacteria <i>Paraburkholderia tropica</i> strain Ppe8. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207863	3.7	8
54	What Did We Learn From Plant Growth-Promoting Rhizobacteria (PGPR)-Grass Associations Studies Through Proteomic and Metabolomic Approaches?. <i>Frontiers in Sustainable Food Systems</i> , <b>2020</b> , 4,	4.8	7

53	Genome Sequence of <i>Bacillus mycoides</i> B38V, a Growth-Promoting Bacterium of Sunflower. <i>Genome Announcements</i> , <b>2015</b> , 3,		7
52	Structural characterization of the RNA chaperone Hfq from the nitrogen-fixing bacterium <i>Herbaspirillum seropedicae</i> SmR1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2012</b> , 1824, 359-65	4	7
51	The RecX protein interacts with the RecA protein and modulates its activity in <i>Herbaspirillum seropedicae</i> . <i>Brazilian Journal of Medical and Biological Research</i> , <b>2012</b> , 45, 1127-34	2.8	7
50	Expression, purification, and functional analysis of the C-terminal domain of <i>Herbaspirillum seropedicae</i> NifA protein. <i>Protein Expression and Purification</i> , <b>2003</b> , 27, 313-8	2	7
49	3-Hydroxybutyrate Derived from Poly-3-Hydroxybutyrate Mobilization Alleviates Protein Aggregation in Heat-Stressed <i>Herbaspirillum seropedicae</i> SmR1. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	6
48	Characteristics of an <i>Aeromonas trota</i> strain isolated from cerebrospinal fluid. <i>Microbial Pathogenesis</i> , <b>2018</b> , 116, 109-112	3.8	6
47	Synthesis of flavor esters and structured lipids by a new immobilized lipase, LipC12, obtained from metagenomics. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2016</b> , 8, 294-300	4.2	6
46	Modulation of defence and iron homeostasis genes in rice roots by the diazotrophic endophyte <i>Herbaspirillum seropedicae</i> . <i>Scientific Reports</i> , <b>2019</b> , 9, 10573	4.9	6
45	The polymorphism rs2268574 in Glucokinase gene is associated with gestational Diabetes mellitus. <i>Clinical Biochemistry</i> , <b>2014</b> , 47, 499-500	3.5	6
44	Seasonal changes in dominant bacterial taxa from acidic peatlands of the Atlantic Rain Forest. <i>Research in Microbiology</i> , <b>2014</b> , 165, 517-25	4	6
43	Effect of ATP and 2-oxoglutarate on the in vitro interaction between the NifA GAF domain and the GlnB protein of <i>Azospirillum brasilense</i> . <i>Brazilian Journal of Medical and Biological Research</i> , <b>2012</b> , 45, 1135-40	2.8	6
42	Whole-Genome Shotgun Sequence of the Keratinolytic Bacterium <i>Lysobacter</i> sp. A03, Isolated from the Antarctic Environment. <i>Genome Announcements</i> , <b>2015</b> , 3,		5
41	NAD biosynthesis in bacteria is controlled by global carbon/nitrogen levels via PII signaling. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 6165-6176	5.4	5
40	Low prevalence of glucokinase gene mutations in gestational diabetic patients with good glycemic control. <i>Genetics and Molecular Research</i> , <b>2012</b> , 11, 1433-41	1.2	5
39	Structural organization of the glnBA region of the <i>Azospirillum brasilense</i> genome. <i>European Journal of Soil Biology</i> , <b>2009</b> , 45, 100-105	2.9	5
38	Diverse Bacterial Genes Modulate Plant Root Association by Beneficial Bacteria. <i>MBio</i> , <b>2020</b> , 11,	7.8	5
37	Genetic and functional characterization of a novel meta-pathway for degradation of naringenin in <i>Herbaspirillum seropedicae</i> SmR1. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 4653-4661	5.2	5
36	Iron deficiency resistance mechanisms enlightened by gene expression analysis in <i>Paenibacillus riograndensis</i> SBR5. <i>Research in Microbiology</i> , <b>2016</b> , 167, 501-9	4	4

35	Genome of Rhizobium sp. UR51a, Isolated from Rice Cropped in Southern Brazilian Fields. <i>Genome Announcements</i> , <b>2015</b> , 3,		4
34	Azospirillum brasilense PII proteins GlnB and GlnZ do not form heterotrimers and GlnB shows a unique trimeric uridylylation pattern. <i>European Journal of Soil Biology</i> , <b>2009</b> , 45, 94-99	2.9	4
33	Apolipoprotein B gene polymorphisms g.2488C>T and g.4154G>A are not associated with coronary artery disease in a Brazilian population. <i>Clinica Chimica Acta</i> , <b>2009</b> , 403, 261	6.2	4
32	as a Phytopathogenic Model to Study the Immune System of. <i>Molecular Plant-Microbe Interactions</i> , <b>2020</b> , 33, 235-246	3.6	4
31	Shed Light in the DaRk LineagES of the Fungal Tree of Life-STRES. <i>Life</i> , <b>2020</b> , 10,	3	4
30	The genomes of three Bradyrhizobium sp. isolated from root nodules of Lupinus albus grown in extremely poor soils display important genes for resistance to environmental stress. <i>Genetics and Molecular Biology</i> , <b>2018</b> , 41, 502-506	2	4
29	A New Strategy for the Selection of Epiphytic and Endophytic Bacteria for Enhanced Plant Performance. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1991, 247-256	1.4	3
28	Efficient Nitrogen-Fixing Bacteria Isolated from Soybean Nodules in the Semi-arid Region of Northeast Brazil are Classified as Bradyrhizobium brasilense (Symbiovar Sojae). <i>Current Microbiology</i> , <b>2020</b> , 77, 1746-1755	2.4	3
27	Enhanced oxygen consumption in Herbaspirillum seropedicae fnr mutants leads to increased NifA mediated transcriptional activation. <i>BMC Microbiology</i> , <b>2015</b> , 15, 95	4.5	3
26	Mutational analysis of GlnB residues critical for NifA activation in Azospirillum brasilense. <i>Microbiological Research</i> , <b>2015</b> , 171, 65-72	5.3	3
25	Expression, purification, and DNA-binding activity of the solubilized NtrC protein of Herbaspirillum seropedicae. <i>Protein Expression and Purification</i> , <b>2003</b> , 30, 117-23	2	3
24	Conserved histidine residues at the ferroxidase centre of the Campylobacter jejuni Dps protein are not strictly required for metal binding and oxidation. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 156-163	2.9	3
23	Genome Sequence of the Human Opportunistic Fungus (CBS 136243). <i>G3: Genes, Genomes, Genetics</i> , <b>2020</b> , 10, 1817-1821	3.2	3
22	Genome Sequence of Type Strain CBS 980.96, a Causal Agent of Feline Cerebral Phaeohyphomycosis. <i>Genome Announcements</i> , <b>2017</b> , 5,		2
21	Cellulose production increases sorghum colonization and the pathogenic potential of Herbaspirillum rubrisubalbicans M1. <i>Scientific Reports</i> , <b>2019</b> , 9, 4041	4.9	2
20	Purification of the Campylobacter jejuni Dps protein assisted by its high melting temperature. <i>Protein Expression and Purification</i> , <b>2015</b> , 111, 105-10	2	2
19	In silico prediction and expression profile analysis of small non-coding RNAs in Herbaspirillum seropedicae SmR1. <i>BMC Genomics</i> , <b>2020</b> , 21, 134	4.5	2
18	Hierarchical interactions between Fnr orthologs allows fine-tuning of transcription in response to oxygen in Herbaspirillum seropedicae. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 3953-3966	20.1	2



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14	Crystallization and preliminary crystallographic analysis of LipC12, a true lipase isolated through a metagenomics approach. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2012</b> , 68, 175-7		2
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12	Cross-Linking with Polyethylenimine Confers Better Functional Characteristics to an Immobilized Eglucosidase from <i>Exiguobacterium antarcticum</i> B7. <i>Catalysts</i> , <b>2019</b> , 9, 223	4	1
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10	Quantification of Grass Colonization by Associative Bacteria <b>2017</b> , 2, 108-123		1
9	Complete Genome Sequence of <i>Herbaspirillum hiltneri</i> N3 (DSM 17495), Isolated from Surface-Sterilized Wheat Roots. <i>Genome Announcements</i> , <b>2015</b> , 3,		1
8	Genes involved in Sec-independent membrane targeting of hydrogenase in <i>Azotobacter chroococcum</i> . <i>Research in Microbiology</i> , <b>2007</b> , 158, 272-8	4	1
7	Expression, purification and biochemical characterization of a single-stranded DNA binding protein from <i>Herbaspirillum seropedicae</i> . <i>Protein Expression and Purification</i> , <b>2007</b> , 53, 195-200	2	1
6	Preproghrelin polymorphism Q90L (rs4684677) in gestational diabetes. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , <b>2014</b> , 58, 83-4		1
5	strain HRC54 expression profile in response to sugarcane apoplastic fluid. <i>3 Biotech</i> , <b>2021</b> , 11, 292	2.8	1
4	<i>Herbaspirillum seropedicae</i> expresses non-phosphorylative pathways for D-xylose catabolism. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 7339-7352	5.7	1
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