

Emanuel Maltempi de Souza

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7921601/emanuel-maltempi-de-souza-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

2,612
citations

28
h-index

43
g-index

147
ext. papers

3,150
ext. citations

4.2
avg, IF

4.68
L-index

#	Paper	IF	Citations
142	strain HRC54 expression profile in response to sugarcane apoplastic fluid. <i>3 Biotech</i> , 2021 , 11, 292	2.8	1
141	The protective role of PHB and its degradation products against stress situations in bacteria. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	21
140	Control of Gene Expression With Quercetin-Responsive Modular Circuits. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 730967	5.8	
139	Herbaspirillum seropedicae expresses non-phosphorylative pathways for D-xylose catabolism. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 7339-7352	5.7	1
138	Characterization of glutamine synthetase from the ammonium-excreting strain HM053 of Azospirillum brasilense. <i>Brazilian Journal of Biology</i> , 2021 , 82, e235927	1.5	0
137	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> , 2020 , 4,	4.8	7
136	Microbial communities network analysis of anaerobic reactors fed with bovine and swine slurry. <i>Science of the Total Environment</i> , 2020 , 742, 140314	10.2	10
135	NAD biosynthesis in bacteria is controlled by global carbon/nitrogen levels via PII signaling. <i>Journal of Biological Chemistry</i> , 2020 , 295, 6165-6176	5.4	5
134	Comparative Plastid Genomics of Neotropical (Orchidaceae; Epidendroideae). <i>Frontiers in Plant Science</i> , 2020 , 11, 799	6.2	15
133	3-Hydroxybutyrate Derived from Poly-3-Hydroxybutyrate Mobilization Alleviates Protein Aggregation in Heat-Stressed Herbaspirillum seropedicae SmR1. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	6
132	In silico prediction and expression profile analysis of small non-coding RNAs in Herbaspirillum seropedicae SmR1. <i>BMC Genomics</i> , 2020 , 21, 134	4.5	2
131	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> , 2020 , 77, 1746-1755	2.4	3
130	as a Phytopathogenic Model to Study the Immune System of. <i>Molecular Plant-Microbe Interactions</i> , 2020 , 33, 235-246	3.6	4
129	Genome Sequence of the Human Opportunistic Fungus (CBS 136243). <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 1817-1821	3.2	3
128	Diverse Bacterial Genes Modulate Plant Root Association by Beneficial Bacteria. <i>MBio</i> , 2020 , 11,	7.8	5
127	Shed Light in the DaRk LineagES of the Fungal Tree of Life-STRES. <i>Life</i> , 2020 , 10,	3	4
126	A New Strategy for the Selection of Epiphytic and Endophytic Bacteria for Enhanced Plant Performance. <i>Methods in Molecular Biology</i> , 2019 , 1991, 247-256	1.4	3

125	Cross-Linking with Polyethylenimine Confers Better Functional Characteristics to an Immobilized Eglucosidase from <i>Exiguobacterium antarcticum</i> B7. <i>Catalysts</i> , 2019 , 9, 223	4	1
124	Cellulose production increases sorghum colonization and the pathogenic potential of <i>Herbaspirillum rubrisubalbicans</i> M1. <i>Scientific Reports</i> , 2019 , 9, 4041	4.9	2
123	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> , 2019 , 694, 133609	10.2	16
122	Modulation of defence and iron homeostasis genes in rice roots by the diazotrophic endophyte <i>Herbaspirillum seropedicae</i> . <i>Scientific Reports</i> , 2019 , 9, 10573	4.9	6
121	Importance of Poly-3-Hydroxybutyrate Metabolism to the Ability of <i>Herbaspirillum seropedicae</i> To Promote Plant Growth. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	15
120	Characteristics of an <i>Aeromonas trota</i> strain isolated from cerebrospinal fluid. <i>Microbial Pathogenesis</i> , 2018 , 116, 109-112	3.8	6
119	Draft genome sequence of <i>Paraburkholderia tropica</i> Ppe8 strain, a sugarcane endophytic diazotrophic bacterium. <i>Brazilian Journal of Microbiology</i> , 2018 , 49, 210-211	2.2	9
118	Proteome analysis of an <i>Escherichia coli</i> ptsN-null strain under different nitrogen regimes. <i>Journal of Proteomics</i> , 2018 , 174, 28-35	3.9	9
117	Hierarchical interactions between Fnr orthologs allows fine-tuning of transcription in response to oxygen in <i>Herbaspirillum seropedicae</i> . <i>Nucleic Acids Research</i> , 2018 , 46, 3953-3966	20.1	2
116	Cinnamaldehyde induces changes in the protein profile of <i>Salmonella Typhimurium</i> biofilm. <i>Research in Microbiology</i> , 2018 , 169, 33-43	4	18
115	Sugarcane apoplast fluid modulates the global transcriptional profile of the diazotrophic bacteria <i>Paraburkholderia tropica</i> strain Ppe8. <i>PLoS ONE</i> , 2018 , 13, e0207863	3.7	8
114	The genomes of three <i>Bradyrhizobium</i> sp. isolated from root nodules of <i>Lupinus albescens</i> grown in extremely poor soils display important genes for resistance to environmental stress. <i>Genetics and Molecular Biology</i> , 2018 , 41, 502-506	2	4
113	Tailoring recombinant lipases: keeping the His-tag favors esterification reactions, removing it favors hydrolysis reactions. <i>Scientific Reports</i> , 2018 , 8, 10000	4.9	9
112	Exploring the genomic diversity of black yeasts and relatives (,). <i>Studies in Mycology</i> , 2017 , 86, 1-28	22.2	93
111	Genome Sequence of Type Strain CBS 980.96, a Causal Agent of Feline Cerebral Phaeohyphomycosis. <i>Genome Announcements</i> , 2017 , 5,		2
110	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> , 2017 , 1865, 344-352	4	13
109	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> , 2017 , 7, 13546	4.9	12
108	Serum Fluorescent Advanced Glycation End (F-AGE) products in gestational diabetes patients. <i>Archives of Endocrinology and Metabolism</i> , 2017 , 61, 233-237	2.2	8

107	Quantification of Grass Colonization by Associative Bacteria 2017 , 2, 108-123		1
106	Labeled Azospirillum brasilense wild type and excretion-ammonium strains in association with barley roots. <i>Plant Physiology and Biochemistry</i> , 2017 , 118, 422-426	5.4	12
105	Detection of misidentifications of species from the Burkholderia cepacia complex and description of a new member, the soil bacterium Burkholderia catarinensis sp. nov. <i>Pathogens and Disease</i> , 2017 , 75,	4.2	35
104	Herbaspirillum rubrisubalbicans, a mild pathogen impairs growth of rice by augmenting ethylene levels. <i>Plant Molecular Biology</i> , 2017 , 94, 625-640	4.6	8
103	A NodD-like protein activates transcription of genes involved with naringenin degradation in a flavonoid-dependent manner in Herbaspirillum seropedicae. <i>Environmental Microbiology</i> , 2017 , 19, 1030-1040	5.2	8
102	New Heterofunctional Supports Based on Glutaraldehyde-Activation: A Tool for Enzyme Immobilization at Neutral pH. <i>Molecules</i> , 2017 , 22,	4.8	21
101	Metabolic profiling of two maize (Zea mays L.) inbred lines inoculated with the nitrogen fixing plant-interacting bacteria Herbaspirillum seropedicae and Azospirillum brasilense. <i>PLoS ONE</i> , 2017 , 12, e0174576	3.7	43
100	Polymorphisms rs144723656, rs2268574, and rs2268575 of the glucokinase gene are not associated with obese women with type 2 diabetes mellitus. <i>Clinical Biochemistry</i> , 2016 , 49, 194-5	3.5	
99	Oligomerization as a strategy for cold adaptation: Structure and dynamics of the GH1 β glucosidase from Exiguobacterium antarcticum B7. <i>Scientific Reports</i> , 2016 , 6, 23776	4.9	43
98	Synthesis of flavor esters and structured lipids by a new immobilized lipase, LipC12, obtained from metagenomics. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016 , 8, 294-300	4.2	6
97	GFinisher: a new strategy to refine and finish bacterial genome assemblies. <i>Scientific Reports</i> , 2016 , 6, 34963	4.9	30
96	Iron deficiency resistance mechanisms enlightened by gene expression analysis in Paenibacillus riograndensis SBR5. <i>Research in Microbiology</i> , 2016 , 167, 501-9	4	4
95	In vitro characterization of the NAD ⁺ synthetase NadE1 from Herbaspirillum seropedicae. <i>Archives of Microbiology</i> , 2016 , 198, 307-13	3	1
94	RNA-seq transcriptional profiling of Herbaspirillum seropedicae colonizing wheat (Triticum aestivum) roots. <i>Plant Molecular Biology</i> , 2016 , 90, 589-603	4.6	44
93	A novel cold-adapted and glucose-tolerant GH1 β glucosidase from Exiguobacterium antarcticum B7. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 375-80	7.9	42
92	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> , 2016 , 162, 156-163	2.9	3
91	New Tailor-Made Alkyl-Aldehyde Bifunctional Supports for Lipase Immobilization. <i>Catalysts</i> , 2016 , 6, 191	4	11
90	Genetic and functional characterization of a novel meta-pathway for degradation of naringenin in Herbaspirillum seropedicae SmR1. <i>Environmental Microbiology</i> , 2016 , 18, 4653-4661	5.2	5

89	Chemoprotective activity of mixed valence polyoxovanadates against diethylsulphate in <i>E. coli</i> cultures: insights from solution speciation studies. <i>RSC Advances</i> , 2016 , 6, 114955-114968	3.7	11
88	Quantification of <i>Azospirillum brasilense</i> FP2 Bacteria in Wheat Roots by Strain-Specific Quantitative PCR. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 6700-9	4.8	20
87	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> , 2015 , 116, 45-51		23
86	Purification of the <i>Campylobacter jejuni</i> Dps protein assisted by its high melting temperature. <i>Protein Expression and Purification</i> , 2015 , 111, 105-10	2	2
85	Polymorphisms in FTO and TCF7L2 genes of Euro-Brazilian women with gestational diabetes. <i>Clinical Biochemistry</i> , 2015 , 48, 1064-7	3.5	17
84	Whole-Genome Shotgun Sequence of the Keratinolytic Bacterium <i>Lysobacter</i> sp. A03, Isolated from the Antarctic Environment. <i>Genome Announcements</i> , 2015 , 3,		5
83	Biochemical characteristics, adhesion, and cytotoxicity of environmental and clinical isolates of <i>Herbaspirillum</i> spp. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 302-8	9.7	8
82	Regulation of nitrogenase by reversible mono-ADP-ribosylation. <i>Current Topics in Microbiology and Immunology</i> , 2015 , 384, 89-106	3.3	20
81	Complete Genome Sequence of <i>Herbaspirillum hiltneri</i> N3 (DSM 17495), Isolated from Surface-Sterilized Wheat Roots. <i>Genome Announcements</i> , 2015 , 3,		1
80	The rs10885122 polymorphism of the adrenoceptor alpha 2A (ADRA2A) gene in Euro-Brazilians with type 2 diabetes mellitus. <i>Archives of Endocrinology and Metabolism</i> , 2015 , 59, 29-33	2.2	2
79	Enhanced oxygen consumption in <i>Herbaspirillum seropedicae</i> fnr mutants leads to increased NifA mediated transcriptional activation. <i>BMC Microbiology</i> , 2015 , 15, 95	4.5	3
78	Genome Sequence of <i>Bacillus mycoides</i> B38V, a Growth-Promoting Bacterium of Sunflower. <i>Genome Announcements</i> , 2015 , 3,		7
77	Genome of <i>Pseudomonas</i> sp. FeS53a, a Putative Plant Growth-Promoting Bacterium Associated with Rice Grown in Iron-Stressed Soils. <i>Genome Announcements</i> , 2015 , 3,		2
76	Genome of <i>Rhizobium</i> sp. UR51a, Isolated from Rice Cropped in Southern Brazilian Fields. <i>Genome Announcements</i> , 2015 , 3,		4
75	Mutational analysis of GlnB residues critical for NifA activation in <i>Azospirillum brasilense</i> . <i>Microbiological Research</i> , 2015 , 171, 65-72	5.3	3
74	The polymorphism rs2268574 in Glucokinase gene is associated with gestational Diabetes mellitus. <i>Clinical Biochemistry</i> , 2014 , 47, 499-500	3.5	6
73	Performance of different wheat genotypes inoculated with the plant growth promoting bacterium <i>Herbaspirillum seropedicae</i> . <i>European Journal of Soil Biology</i> , 2014 , 64, 1-5	2.9	15
72	FGAP: an automated gap closing tool. <i>BMC Research Notes</i> , 2014 , 7, 371	2.3	45

71	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> , 2014 , 15, 378	4.5	96
70	Seasonal changes in dominant bacterial taxa from acidic peatlands of the Atlantic Rain Forest. <i>Research in Microbiology</i> , 2014 , 165, 517-25	4	6
69	Exopolysaccharide biosynthesis enables mature biofilm formation on abiotic surfaces by <i>Herbaspirillum seropedicae</i> . <i>PLoS ONE</i> , 2014 , 9, e110392	3.7	42
68	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> , 2014 , 91, 751-61	4.1	27
67	First co-expression of a lipase and its specific foldase obtained by metagenomics. <i>Microbial Cell Factories</i> , 2014 , 13, 171	6.4	14
66	Preproghrelin polymorphism Q90L (rs4684677) in gestational diabetes. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2014 , 58, 83-4		1
65	Naringenin degradation by the endophytic diazotroph <i>Herbaspirillum seropedicae</i> SmR1. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 167-175	2.9	29
64	Proteomic analysis of <i>Herbaspirillum seropedicae</i> cultivated in the presence of sugar cane extract. <i>Journal of Proteome Research</i> , 2013 , 12, 1142-50	5.6	17
63	Rapid identification of bacterial isolates from wheat roots by high resolution whole cell MALDI-TOF MS analysis. <i>Journal of Biotechnology</i> , 2013 , 165, 167-74	3.7	32
62	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> , 2013 , 12, 4757-68	5.6	31
61	Maize root lectins mediate the interaction with <i>Herbaspirillum seropedicae</i> via N-acetyl glucosamine residues of lipopolysaccharides. <i>PLoS ONE</i> , 2013 , 8, e77001	3.7	34
60	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> , 2012 , 39, 155-60	2.3	8
59	Characterization of a new Acidobacteria-derived moderately thermostable lipase from a Brazilian Atlantic Forest soil metagenome. <i>FEMS Microbiology Ecology</i> , 2012 , 81, 386-94	4.3	27
58	Heat stability of Proteobacterial PII protein facilitate purification using a single chromatography step. <i>Protein Expression and Purification</i> , 2012 , 81, 83-88	2	18
57	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> , 2012 , 1824, 359-65	4	7
56	Interaction of GlnK with the GAF domain of <i>Herbaspirillum seropedicae</i> NifA mediates NH ₄ ⁺ -regulation. <i>Biochimie</i> , 2012 , 94, 1041-7	4.6	14
55	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> , 2012 , 12, 98	4.5	25
54	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> , 2012 , 51, 384-91	7.9	8

53	Low prevalence of glucokinase gene mutations in gestational diabetic patients with good glycemic control. <i>Genetics and Molecular Research</i> , 2012 , 11, 1433-41	1.2	5
52	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> , 2012 , 45, 1135-40	2.8	6
51	Expression and characterization of an N-truncated form of the NifA protein of <i>Azospirillum brasilense</i> . <i>Brazilian Journal of Medical and Biological Research</i> , 2012 , 45, 113-7	2.8	2
50	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> , 2012 , 45, 1127-34	2.8	7
49	Crystallization and preliminary crystallographic analysis of LipC12, a true lipase isolated through a metagenomics approach. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 175-7		2
48	Nitrogen fixation control in <i>Herbaspirillum seropedicae</i> . <i>Plant and Soil</i> , 2012 , 356, 197-207	4.2	33
47	Uridylylation 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> , 2012 , 194, 643-52	3	9
46	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> , 2012 , 194, 4136-7	3.5	18
45	Influence of the ADP/ATP ratio, 2-oxoglutarate and divalent ions on <i>Azospirillum brasilense</i> PII protein signalling. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 1656-1663	2.9	17
44	PII signal transduction proteins: pivotal players in post-translational control of nitrogenase activity. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 176-190	2.9	57
43	Identification of a new lipase family in the Brazilian Atlantic Forest soil metagenome. <i>Environmental Microbiology Reports</i> , 2011 , 3, 750-5	3.7	13
42	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> , 2011 , 44, 182-5	2.8	18
41	Virulence characteristics and antimicrobial susceptibility of uropathogenic <i>Escherichia coli</i> strains. <i>Genetics and Molecular Research</i> , 2011 , 10, 4114-25	1.2	47
40	Role of PII proteins in nitrogen fixation control of <i>Herbaspirillum seropedicae</i> strain SmR1. <i>BMC Microbiology</i> , 2011 , 11, 8	4.5	16
39	Identification and characterization of a new true lipase isolated through metagenomic approach. <i>Microbial Cell Factories</i> , 2011 , 10, 54	6.4	127
38	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> , 2011 , 11, 230	4.5	14
37	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> , 2011 , 1814, 1203-4		12
36	Diversity of 16S rRNA genes from bacteria of sugarcane rhizosphere soil. <i>Brazilian Journal of Medical and Biological Research</i> , 2011 , 44, 1215-21	2.8	40

35	Naringenin regulates expression of genes involved in cell wall synthesis in <i>Herbaspirillum seropedicae</i> . <i>Applied and Environmental Microbiology</i> , 2011 , 77, 2180-3	4.8	38
34	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> , 2011 , 108, 18972-6	11.5	31
33	Genome of <i>Herbaspirillum seropedicae</i> strain SmR1, a specialized diazotrophic endophyte of tropical grasses. <i>PLoS Genetics</i> , 2011 , 7, e1002064	6	151
32	Proteomic analysis of <i>Herbaspirillum seropedicae</i> reveals ammonium-induced AmtB-dependent membrane sequestration of PII proteins. <i>FEMS Microbiology Letters</i> , 2010 , 308, 40-7	2.9	18
31	<i>Herbaspirillum seropedicae</i> rfbB and rfbC genes are required for maize colonization. <i>Environmental Microbiology</i> , 2010 , 12, 2233-44	5.2	79
30	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> , 2010 , 43, 431-6	2.8	13
29	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> , 2010 , 9, 1130-5	1.2	9
28	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> , 2010 , 48, 419-22	5.9	11
27	Chemical composition of lipopolysaccharides isolated from various endophytic nitrogen-fixing bacteria of the genus <i>Herbaspirillum</i> . <i>Canadian Journal of Microbiology</i> , 2010 , 56, 342-7	3.2	14
26	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> , 2010 , 411, 892-3	6.2	10
25	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> , 2010 , 48, 77-83	3	8
24	Diversity of endophytic bacteria in Brazilian sugarcane. <i>Genetics and Molecular Research</i> , 2010 , 9, 250-8	1.2	91
23	Isolation of a novel lipase from a metagenomic library derived from mangrove sediment from the south Brazilian coast. <i>Genetics and Molecular Research</i> , 2010 , 9, 514-23	1.2	44
22	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> , 2009 , 48, 645-7	2.9	10
21	A two-dimensional electrophoretic profile of the proteins secreted by <i>Herbaspirillum seropedicae</i> strain Z78. <i>Journal of Proteomics</i> , 2009 , 73, 50-6	3.9	16
20	<i>Azospirillum brasilense</i> PII proteins GlnB and GlnZ do not form heterotrimers and GlnB shows a unique trimeric uridylylation pattern. <i>European Journal of Soil Biology</i> , 2009 , 45, 94-99	2.9	4
19	Structural organization of the glnBA region of the <i>Azospirillum brasilense</i> genome. <i>European Journal of Soil Biology</i> , 2009 , 45, 100-105	2.9	5
18	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> , 2009 , 403, 261	6.2	4

17	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> , 2009 , 1791, 719-29	5	78
16	A two-dimensional proteome reference map of <i>Herbaspirillum seropedicae</i> proteins. <i>Proteomics</i> , 2007 , 7, 3759-63	4.8	16
15	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> , 2007 , 44, 607-12	2.9	18
14	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> , 2007 , 45, 1268-72	5.9	21
13	Genes involved in Sec-independent membrane targeting of hydrogenase in <i>Azotobacter chroococcum</i> . <i>Research in Microbiology</i> , 2007 , 158, 272-8	4	1
12	Expression, purification and biochemical characterization of a single-stranded DNA binding protein from <i>Herbaspirillum seropedicae</i> . <i>Protein Expression and Purification</i> , 2007 , 53, 195-200	2	1
11	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> , 2007 , 55, 293-9	2	14
10	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> , 2007 , 383, 163-4	6.2	14
9	High levels of active quiescin Q6 sulfhydryl oxidase (QSOX) are selectively present in fetal serum. <i>Redox Report</i> , 2005 , 10, 319-23	5.9	18
8	In vitro uridylylation of the <i>Azospirillum brasilense</i> N-signal transducing GlnZ protein. <i>Protein Expression and Purification</i> , 2004 , 33, 19-24	2	16
7	Expression, purification, and DNA-binding activity of the <i>Herbaspirillum seropedicae</i> RecX protein. <i>Protein Expression and Purification</i> , 2004 , 35, 298-303	2	9
6	Expression, purification, and functional analysis of the C-terminal domain of <i>Herbaspirillum seropedicae</i> NifA protein. <i>Protein Expression and Purification</i> , 2003 , 27, 313-8	2	7
5	Expression, purification, and DNA-binding activity of the solubilized NtrC protein of <i>Herbaspirillum seropedicae</i> . <i>Protein Expression and Purification</i> , 2003 , 30, 117-23	2	3
4	16S ribosomal DNA characterization of nitrogen-fixing bacteria isolated from banana (<i>Musa spp.</i>) and pineapple (<i>Ananas comosus</i> (L.) Merrill). <i>Applied and Environmental Microbiology</i> , 2001 , 67, 2375-9	4.8	79
3	Inter-domain cross-talk controls the NifA protein activity of <i>Herbaspirillum seropedicae</i> . <i>FEBS Letters</i> , 2001 , 508, 1-4	3.8	8
2	Two roles for integration host factor at an enhancer-dependent nifA promoter. <i>Molecular Microbiology</i> , 2000 , 35, 756-64	4.1	37
1	Large-scale screening of asymptomatic for SARS-CoV-2 variants of concern and rapid P.1 takeover, Curitiba, Brazil		2