

# Frederico Gueiros Filho

## List of Publications by Year in descending order

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32  
papers

1,977  
citations

430874

18  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2220  
citing authors

#	ARTICLE	IF	CITATIONS
1	A widely conserved bacterial cell division protein that promotes assembly of the tubulin-like protein FtsZ. <i>Genes and Development</i> , 2002, 16, 2544-2556.	5.9	339
2	Assembly Dynamics of FtsZ Rings in <i>Bacillus subtilis</i> and <i>Escherichia coli</i> and Effects of FtsZ-Regulating Proteins. <i>Journal of Bacteriology</i> , 2004, 186, 5775-5781.	2.2	280
3	Development of a safe live <i>Leishmania</i> vaccine line by gene replacement.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 10267-10271.	7.1	205
4	Trans-kingdom Transposition of the <i>Drosophila</i> Element <i>mariner</i> Within the Protozoan <i>Leishmania</i> . <i>Science</i> , 1997, 276, 1716-1719.	12.6	160
5	GroES/GroEL and DnaK/DnaJ Have Distinct Roles in Stress Responses and during Cell Cycle Progression in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2006, 188, 8044-8053.	2.2	130
6	Premature targeting of a cell division protein to midcell allows dissection of divisome assembly in <i>Escherichia coli</i> . <i>Genes and Development</i> , 2005, 19, 127-137.	5.9	123
7	Structure and Mode of Action of Microplusin, a Copper II-chelating Antimicrobial Peptide from the Cattle Tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 34735-34746.	3.4	83
8	Selection against the Dihydrofolate Reductase-Thymidylate Synthase ( <i>DHFR-TS</i> ) Locus as a Probe of Genetic Alterations in <i>Leishmania major</i> . <i>Molecular and Cellular Biology</i> , 1996, 16, 5655-5663.	2.3	76
9	<i>Leishmania amazonensis</i> : Multidrug Resistance in Vinblastine-Resistant Promastigotes Is Associated with Rhodamine 123 Efflux, DNA Amplification, and RNA Overexpression of a <i>Leishmania</i> <i>mdr1</i> Gene. <i>Experimental Parasitology</i> , 1995, 81, 480-490.	1.2	66
10	FtsZ filament capping by MciZ, a developmental regulator of bacterial division. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2130-8.	7.1	65
11	Protective Immunity Against the Protozoan <i>Leishmania chagasi</i> Is Induced by Subclinical Cutaneous Infection with Virulent But Not Avirulent Organisms. <i>Journal of Immunology</i> , 2001, 166, 1921-1929.	0.8	60
12	Violacein Targets the Cytoplasmic Membrane of Bacteria. <i>ACS Infectious Diseases</i> , 2019, 5, 539-549.	3.8	58
13	DivIVA-Mediated Polar Localization of ComN, a Posttranscriptional Regulator of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 3661-3669.	2.2	57
14	Cytological Characterization of YpsB, a Novel Component of the <i>Bacillus subtilis</i> Divisome. <i>Journal of Bacteriology</i> , 2008, 190, 7096-7107.	2.2	48
15	The stringent response plays a key role in <i>Bacillus subtilis</i> survival of fatty acid starvation. <i>Molecular Microbiology</i> , 2017, 103, 698-712.	2.5	36
16	RefZ Facilitates the Switch from Medial to Polar Division during Spore Formation in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 4608-4618.	2.2	23
17	Genetic and Biochemical Characterization of the MinC-FtsZ Interaction in <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2013, 8, e60690.	2.5	23
18	Synthesis, biophysical and functional studies of two BP100 analogues modified by a hydrophobic chain and a cyclic peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1502-1516.	2.6	20

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19	Noc Corrals Migration of FtsZ Protofilaments during Cytokinesis in <i>Bacillus subtilis</i> . <i>MBio</i> , 2021, 12, .	4.1	19
20	AMIN domains have a predicted role in localization of diverse periplasmic protein complexes. <i>Bioinformatics</i> , 2008, 24, 2423-2426.	4.1	16
21	On the Introduction of Genetically Modified <i>Leishmania</i> outside the Laboratory. <i>Experimental Parasitology</i> , 1994, 78, 425-428.	1.2	14
22	Membrane fluidity adjusts the insertion of the transacylase PlsX to regulate phospholipid biosynthesis in Gram-positive bacteria. <i>Journal of Biological Chemistry</i> , 2020, 295, 2136-2147.	3.4	14
23	Revisiting the cell biology of the acyl-ACP:phosphate transacylase PlsX suggests that the phospholipid synthesis and cell division machineries are not coupled in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2016, 100, 621-634.	2.5	13
24	Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways. <i>Origins of Life and Evolution of Biospheres</i> , 1995, 25, 335-350.	1.9	12
25	Vectorial signalling mechanism required for cell-cell communication during sporulation in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2012, 83, 261-274.	2.5	10
26	The phosphatidic acid pathway enzyme PlsX plays both catalytic and channeling roles in bacterial phospholipid synthesis. <i>Journal of Biological Chemistry</i> , 2020, 295, 2148-2159.	3.4	9
27	The Division Defect of a <i>Bacillus subtilis</i> minD noc Double Mutant Can Be Suppressed by Spx-Dependent and Spx-Independent Mechanisms. <i>Journal of Bacteriology</i> , 2021, 203, e0024921.	2.2	5
28	Association of magnetotactic multicellular prokaryotes with <i>Pseudoalteromonas</i> species in a natural lagoon environment. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2213-2223.	1.7	4
29	Many birds with one stone: targeting the (p)ppGpp signaling pathway of bacteria to improve antimicrobial therapy. <i>Biophysical Reviews</i> , 2021, 13, 1039-1051.	3.2	4
30	Backbone and side chain NMR assignments for the N-terminal domain of the cell division regulator MinC from <i>Bacillus subtilis</i> . <i>Biomolecular NMR Assignments</i> , 2015, 9, 1-5.	0.8	3
31	Backbone and side chain NMR assignments of <i>Geobacillus stearothermophilus</i> ZapA allow identification of residues that mediate the interaction of ZapA with FtsZ. <i>Biomolecular NMR Assignments</i> , 2015, 9, 387-391.	0.8	1
32	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8935.	1.5	1