BegoÃ±a Monterroso

List of Publications by Year
in descending order

33 papers	1,050 citations	394421 19 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	1163 citing authors

#	Article	IF	Citations
1	FtsZ Interactions and Biomolecular Condensates as Potential Targets for New Antibiotics. Antibiotics, 2021, 10, 254.	3.7	7
2	Assembly of bacterial cell division protein FtsZ into dynamic biomolecular condensates. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118986.	4.1	14
3	Reconstituting bacterial cell division assemblies in crowded, phase-separated media. Methods in Enzymology, 2021, 646, 19-49.	1.0	5
4	The Nucleoid Occlusion Protein SlmA Binds to Lipid Membranes. MBio, 2020, 11, .	4.1	10
5	The Bacterial DNA Binding Protein MatP Involved in Linking the Nucleoid Terminal Domain to the Divisome at Midcell Interacts with Lipid Membranes. MBio, 2019, 10, .	4.1	12
6	Bacterial FtsZ protein forms phaseâ€separated condensates with its nucleoidâ€associated inhibitor SlmA. EMBO Reports, 2019, 20, .	4.5	94
7	Encapsulation of a compartmentalized cytoplasm mimic within a lipid membrane by microfluidics. Chemical Communications, 2017, 53, 4775-4778.	4.1	27
8	Nucleotide and receptor density modulate binding of bacterial division FtsZ protein to ZipA containing lipid-coated microbeads. Scientific Reports, 2017, 7, 13707.	3.3	11
9	Microenvironments created by liquid-liquid phase transition control the dynamic distribution of bacterial division FtsZ protein. Scientific Reports, 2016, 6, 35140.	3.3	55
10	Charged Molecules Modulate the Volume Exclusion Effects Exerted by Crowders on FtsZ Polymerization. PLoS ONE, 2016, 11, e0149060.	2.5	23
11	The Nucleoid Occlusion SlmA Protein Accelerates the Disassembly of the FtsZ Protein Polymers without Affecting Their GTPase Activity. PLoS ONE, 2015, 10, e0126434.	2.5	29
12	A new calmodulin-binding motif for inositol 1,4,5-trisphosphate 3-kinase regulation. Biochemical Journal, 2014, 463, 319-328.	3.7	8
13	Macromolecular interactions of the bacterial division FtsZ protein: from quantitative biochemistry and crowding to reconstructing minimal divisomes in the test tube. Biophysical Reviews, 2013, 5, 63-77.	3.2	21
14	Self-organization of the bacterial cell-division protein FtsZ in confined environments. Soft Matter, 2013, 9, 10493.	2.7	34
15	Combined analytical ultracentrifugation, light scattering and fluorescence spectroscopy studies on the functional associations of the bacterial division FtsZ protein. Methods, 2013, 59, 349-362.	3.8	27
16	MinC Protein Shortens FtsZ Protofilaments by Preferentially Interacting with GDP-bound Subunits. Journal of Biological Chemistry, 2013, 288, 24625-24635.	3.4	25
17	Control by Potassium of the Size Distribution of Escherichia coli FtsZ Polymers Is Independent of GTPase Activity. Journal of Biological Chemistry, 2013, 288, 27358-27365.	3.4	14
18	An Equilibrium Model for the Mg²⁺-Linked Self-Assembly of FtsZ in the Presence of GTP or a GTP Analogue. Biochemistry, 2012, 51, 6108-6113.	2.5	11

#	Article	IF	Citations
19	Mg²⁺-Linked Self-Assembly of FtsZ in the Presence of GTP or a GTP Analogue Involves the Concerted Formation of a Narrow Size Distribution of Oligomeric Species. Biochemistry, 2012, 51, 4541-4550.	2.5	21
20	Isolation, Characterization and Lipid-Binding Properties of the Recalcitrant FtsA Division Protein from Escherichia coli. PLoS ONE, 2012, 7, e39829.	2.5	28
21	Development of a homogeneous fluorescence anisotropy assay to monitor and measure FtsZ assembly in solution. Analytical Biochemistry, 2011, 418, 89-96.	2.4	40
22	The repeat domain of the melanosome fibril protein Pmel17 forms the amyloid core promoting melanin synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13731-13736.	7.1	129
23	Characterization of Ejl, the cell-wall amidase coded by the pneumococcal bacteriophage Ej-1. Protein Science, 2009, 11, 1788-1799.	7.6	18
24	Insights into the Structure-Function Relationships of Pneumococcal Cell Wall Lysozymes, LytC and Cpl-1. Journal of Biological Chemistry, 2008, 283, 28618-28628.	3.4	22
25	Elucidation of the Molecular Recognition of Bacterial Cell Wall by Modular Pneumococcal Phage Endolysin CPL-1. Journal of Biological Chemistry, 2007, 282, 24990-24999.	3.4	61
26	Effect of High Concentration of Inert Cosolutes on the Refolding of an Enzyme. Journal of Biological Chemistry, 2007, 282, 33452-33458.	3.4	18
27	Insights into Molecular Plasticity of Choline Binding Proteins (Pneumococcal Surface Proteins) by SAXS. Journal of Molecular Biology, 2007, 365, 411-424.	4.2	23
28	Unravelling the structure of the pneumococcal autolytic lysozyme. Biochemical Journal, 2005, 391, 41-49.	3.7	13
29	Structural and Thermodynamic Characterization of Pal, a Phage Natural Chimeric Lysin Active against Pneumococci. Journal of Biological Chemistry, 2004, 279, 43697-43707.	3.4	35
30	Structural Basis for Selective Recognition of Pneumococcal Cell Wall by Modular Endolysin from Phage Cp-1. Structure, 2003, 11, 1239-1249.	3.3	149
31	pH effect on cysteine and cystine behaviour at hanging mercury drop electrode. Talanta, 2003, 61, 733-741.	5.5	27
32	Crystallization and preliminary X-ray diffraction studies of the complete modular endolysin from Cp-1, a phage infectingStreptococcus pneumoniae. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1487-1489.	2.5	2
33	Do Sequence Repeats Play an Equivalent Role in the Choline-binding Module of Pneumococcal LytA Amidase?. Journal of Biological Chemistry, 2000, 275, 26842-26855.	3.4	33