

Begoña Monterroso

List of Publications by Year in descending order

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33
papers

1,050
citations

394421

19
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434195

31
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36
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docs citations

36
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for Selective Recognition of Pneumococcal Cell Wall by Modular Endolysin from Phage Cp-1. <i>Structure</i> , 2003, 11, 1239-1249.	3.3	149
2	The repeat domain of the melanosome fibril protein Pmel17 forms the amyloid core promoting melanin synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13731-13736.	7.1	129
3	Bacterial FtsZ protein forms phase-separated condensates with its nucleoid-associated inhibitor SlmA. <i>EMBO Reports</i> , 2019, 20, .	4.5	94
4	Elucidation of the Molecular Recognition of Bacterial Cell Wall by Modular Pneumococcal Phage Endolysin CPL-1. <i>Journal of Biological Chemistry</i> , 2007, 282, 24990-24999.	3.4	61
5	Microenvironments created by liquid-liquid phase transition control the dynamic distribution of bacterial division FtsZ protein. <i>Scientific Reports</i> , 2016, 6, 35140.	3.3	55
6	Development of a homogeneous fluorescence anisotropy assay to monitor and measure FtsZ assembly in solution. <i>Analytical Biochemistry</i> , 2011, 418, 89-96.	2.4	40
7	Structural and Thermodynamic Characterization of Pal, a Phage Natural Chimeric Lysin Active against Pneumococci. <i>Journal of Biological Chemistry</i> , 2004, 279, 43697-43707.	3.4	35
8	Self-organization of the bacterial cell-division protein FtsZ in confined environments. <i>Soft Matter</i> , 2013, 9, 10493.	2.7	34
9	Do Sequence Repeats Play an Equivalent Role in the Choline-binding Module of Pneumococcal LytA Amidase?. <i>Journal of Biological Chemistry</i> , 2000, 275, 26842-26855.	3.4	33
10	The Nucleoid Occlusion SlmA Protein Accelerates the Disassembly of the FtsZ Protein Polymers without Affecting Their GTPase Activity. <i>PLoS ONE</i> , 2015, 10, e0126434.	2.5	29
11	Isolation, Characterization and Lipid-Binding Properties of the Recalcitrant FtsA Division Protein from <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012, 7, e39829.	2.5	28
12	pH effect on cysteine and cystine behaviour at hanging mercury drop electrode. <i>Talanta</i> , 2003, 61, 733-741.	5.5	27
13	Combined analytical ultracentrifugation, light scattering and fluorescence spectroscopy studies on the functional associations of the bacterial division FtsZ protein. <i>Methods</i> , 2013, 59, 349-362.	3.8	27
14	Encapsulation of a compartmentalized cytoplasm mimic within a lipid membrane by microfluidics. <i>Chemical Communications</i> , 2017, 53, 4775-4778.	4.1	27
15	MinC Protein Shortens FtsZ Protofilaments by Preferentially Interacting with GDP-bound Subunits. <i>Journal of Biological Chemistry</i> , 2013, 288, 24625-24635.	3.4	25
16	Insights into Molecular Plasticity of Choline Binding Proteins (Pneumococcal Surface Proteins) by SAXS. <i>Journal of Molecular Biology</i> , 2007, 365, 411-424.	4.2	23
17	Charged Molecules Modulate the Volume Exclusion Effects Exerted by Crowders on FtsZ Polymerization. <i>PLoS ONE</i> , 2016, 11, e0149060.	2.5	23
18	Insights into the Structure-Function Relationships of Pneumococcal Cell Wall Lysozymes, LytC and Cpl-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 28618-28628.	3.4	22

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19	Mg ²⁺ -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. <i>Biochemistry</i> , 2012, 51, 4541-4550.	2.5	21
20	Macromolecular interactions of the bacterial division FtsZ protein: from quantitative biochemistry and crowding to reconstructing minimal divisomes in the test tube. <i>Biophysical Reviews</i> , 2013, 5, 63-77.	3.2	21
21	Effect of High Concentration of Inert Cosolutes on the Refolding of an Enzyme. <i>Journal of Biological Chemistry</i> , 2007, 282, 33452-33458.	3.4	18
22	Characterization of Ejl, the cell-wall amidase coded by the pneumococcal bacteriophage Ej-1. <i>Protein Science</i> , 2009, 11, 1788-1799.	7.6	18
23	Control by Potassium of the Size Distribution of Escherichia coli FtsZ Polymers Is Independent of GTPase Activity. <i>Journal of Biological Chemistry</i> , 2013, 288, 27358-27365.	3.4	14
24	Assembly of bacterial cell division protein FtsZ into dynamic biomolecular condensates. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118986.	4.1	14
25	Unravelling the structure of the pneumococcal autolytic lysozyme. <i>Biochemical Journal</i> , 2005, 391, 41-49.	3.7	13
26	The Bacterial DNA Binding Protein MatP Involved in Linking the Nucleoid Terminal Domain to the Divisome at Midcell Interacts with Lipid Membranes. <i>MBio</i> , 2019, 10, .	4.1	12
27	An Equilibrium Model for the Mg ²⁺ -Linked Self-Assembly of FtsZ in the Presence of GTP or a GTP Analogue. <i>Biochemistry</i> , 2012, 51, 6108-6113.	2.5	11
28	Nucleotide and receptor density modulate binding of bacterial division FtsZ protein to ZipA containing lipid-coated microbeads. <i>Scientific Reports</i> , 2017, 7, 13707.	3.3	11
29	The Nucleoid Occlusion Protein SlmA Binds to Lipid Membranes. <i>MBio</i> , 2020, 11, .	4.1	10
30	A new calmodulin-binding motif for inositol 1,4,5-trisphosphate 3-kinase regulation. <i>Biochemical Journal</i> , 2014, 463, 319-328.	3.7	8
31	FtsZ Interactions and Biomolecular Condensates as Potential Targets for New Antibiotics. <i>Antibiotics</i> , 2021, 10, 254.	3.7	7
32	Reconstituting bacterial cell division assemblies in crowded, phase-separated media. <i>Methods in Enzymology</i> , 2021, 646, 19-49.	1.0	5
33	Crystallization and preliminary X-ray diffraction studies of the complete modular endolysin from Cp-1, a phage infecting <i>Streptococcus pneumoniae</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1487-1489.	2.5	2