

Alexej Kedrov

List of Publications by Year in descending order

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papers

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29
docs citations

29
times ranked

783
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Unfolding and Refolding of a Single Sodium-proton Antiporter using Atomic Force Microscopy. <i>Journal of Molecular Biology</i> , 2004, 340, 1143-1152.	2.0	99
2	Locating ligand binding and activation of a single antiporter. <i>EMBO Reports</i> , 2005, 6, 668-674.	2.0	85
3	Probing the Energy Landscape of the Membrane Protein Bacteriorhodopsin. <i>Structure</i> , 2004, 12, 871-879.	1.6	80
4	Quaternary Structure of SecA in Solution and Bound to SecYEG Probed at the Single Molecule Level. <i>Structure</i> , 2011, 19, 430-439.	1.6	63
5	A single copy of SecYEG is sufficient for preprotein translocation. <i>EMBO Journal</i> , 2011, 30, 4387-4397.	3.5	60
6	Elucidating the Native Architecture of the YidC: Ribosome Complex. <i>Journal of Molecular Biology</i> , 2013, 425, 4112-4124.	2.0	52
7	Observing Folding Pathways and Kinetics of a Single Sodium-proton Antiporter from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2006, 355, 2-8.	2.0	48
8	Structural Dynamics of the YidC:Ribosome Complex during Membrane Protein Biogenesis. <i>Cell Reports</i> , 2016, 17, 2943-2954.	2.9	48
9	The more the merrier: effects of macromolecular crowding on the structure and dynamics of biological membranes. <i>FEBS Journal</i> , 2020, 287, 5039-5067.	2.2	48
10	Competitive Binding of the SecA ATPase and Ribosomes to the SecYEG Translocon. <i>Journal of Biological Chemistry</i> , 2012, 287, 7885-7895.	1.6	44
11	Differentiating Ligand and Inhibitor Interactions of a Single Antiporter. <i>Journal of Molecular Biology</i> , 2006, 362, 925-932.	2.0	41
12	Partially inserted nascent chain unzips the lateral gate of the Sec translocon. <i>EMBO Reports</i> , 2019, 20, e48191.	2.0	39
13	Monitoring the Activity of Single Translocons. <i>Journal of Molecular Biology</i> , 2013, 425, 4145-4153.	2.0	35
14	Examining the Dynamic Energy Landscape of an Antiporter upon Inhibitor Binding. <i>Journal of Molecular Biology</i> , 2008, 375, 1258-1266.	2.0	30
15	Role of the Cytosolic Loop C2 and the C Terminus of YidC in Ribosome Binding and Insertion Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 17250-17261.	1.6	29
16	Shaping the lipid composition of bacterial membranes for membrane protein production. <i>Microbial Cell Factories</i> , 2019, 18, 131.	1.9	17
17	The Formation of Oxytocin Dimers is Suppressed by the Zinc-Aspartate-Oxytocin Complex. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1734-1741.	1.6	16
18	Tight Hydrophobic Contacts with the SecB Chaperone Prevent Folding of Substrate Proteins. <i>Biochemistry</i> , 2010, 49, 2380-2388.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Single-Molecule Studies of Bacterial Protein Translocation. <i>Biochemistry</i> , 2013, 52, 6740-6754.	1.2	12
20	Digital force-feedback for protein unfolding experiments using atomic force microscopy. <i>Nanotechnology</i> , 2007, 18, 044022.	1.3	10
21	Single-molecule analysis of dynamics and interactions of the SecYEG translocon. <i>FEBS Journal</i> , 2021, 288, 2203-2221.	2.2	10
22	Unsaturated fatty acids augment protein transport via the SecA:SecYEG translocon. <i>FEBS Journal</i> , 2022, 289, 140-162.	2.2	8
23	A phospholipase B from <i>Pseudomonas aeruginosa</i> with activity towards endogenous phospholipids affects biofilm assembly. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159101.	1.2	5
24	Biophysical Analysis of Sec-Mediated Protein Translocation in Nanodiscs. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2018, 28, 41-85.	0.3	3
25	Thermodynamics of the Protein Translocation. <i>Methods in Enzymology</i> , 2009, 466, 273-291.	0.4	1
26	Single-Molecule Microscopy and Force Spectroscopy of Membrane Proteins. <i>Springer Series in Biophysics</i> , 2008, , 279-311.	0.4	0