

Firdaus Samsudin

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

935
citations

567281

15
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

1364
citing authors

#	ARTICLE	IF	CITATIONS
1	Allosteric perspective on the mutability and druggability of the SARS-CoV-2 Spike protein. <i>Structure</i> , 2022, 30, 590-607.e4.	3.3	24
2	SARS-CoV-2 spike protein binds to bacterial lipopolysaccharide and boosts proinflammatory activity. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 916-932.	3.3	121
3	The impact of Gag non-cleavage site mutations on HIV-1 viral fitness from integrative modelling and simulations. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 330-342.	4.1	7
4	Concentration- and pH-Dependent Oligomerization of the Thrombin-Derived C-Terminal Peptide TCP-25. <i>Biomolecules</i> , 2020, 10, 1572.	4.0	9
5	Interactions of a Bacterial RND Transporter with a Transmembrane Small Protein in a Lipid Environment. <i>Structure</i> , 2020, 28, 625-634.e6.	3.3	47
6	The lipoprotein Pal stabilises the bacterial outer membrane during constriction by a mobilisation-and-capture mechanism. <i>Nature Communications</i> , 2020, 11, 1305.	12.8	50
7	Not all therapeutic antibody isotypes are equal: the case of IgM versus IgG in Pertuzumab and Trastuzumab. <i>Chemical Science</i> , 2020, 11, 2843-2854.	7.4	23
8	Multiscale Modeling and Simulation Approaches to Lipid-Protein Interactions. <i>Methods in Molecular Biology</i> , 2019, 2003, 1-30.	0.9	7
9	Movement of Arginine through OprD: The Energetics of Permeation and the Role of Lipopolysaccharide in Directing Arginine to the Protein. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2824-2832.	2.6	20
10	Binding from Both Sides: TolR and Full-Length OmpA Bind and Maintain the Local Structure of the E. Coli Cell Wall. <i>Structure</i> , 2019, 27, 713-724.e2.	3.3	42
11	Atomistic and Coarse Grain Simulations of the Cell Envelope of Gram-Negative Bacteria: What Have We Learned?. <i>Accounts of Chemical Research</i> , 2019, 52, 180-188.	15.6	42
12	Protein assemblies ejected directly from native membranes yield complexes for mass spectrometry. <i>Science</i> , 2018, 362, 829-834.	12.6	155
13	The role of the jaw subdomain of peptidoglycan glycosyltransferases for lipid II polymerization. <i>Cell Surface</i> , 2018, 2, 54-66.	3.0	8
14	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. <i>Biochemistry</i> , 2018, 57, 4374-4381.	2.5	12
15	Progress in Molecular Dynamics Simulations of Gram-Negative Bacterial Cell Envelopes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2513-2518.	4.6	33
16	Braun's Lipoprotein Facilitates OmpA Interaction with the Escherichia coli Cell Wall. <i>Biophysical Journal</i> , 2017, 113, 1496-1504.	0.5	55
17	It Is Complicated: Curvature, Diffusion, and Lipid Sorting within the Two Membranes of Escherichia coli. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5513-5518.	4.6	52
18	Accurate Prediction of Ligand Affinities for a Proton-Dependent Oligopeptide Transporter. <i>Cell Chemical Biology</i> , 2016, 23, 299-309.	5.2	34

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19	OmpA: A Flexible Clamp for Bacterial Cell Wall Attachment. <i>Structure</i> , 2016, 24, 2227-2235.	3.3	76
20	Full-Length OmpA: Structure, Function, and Membrane Interactions Predicted by Molecular Dynamics Simulations. <i>Biophysical Journal</i> , 2016, 111, 1692-1702.	0.5	67
21	Crystal Structures of the Extracellular Domain from PepT1 and PepT2 Provide Novel Insights into Mammalian Peptide Transport. <i>Structure</i> , 2015, 23, 1889-1899.	3.3	40