Firdaus Samsudin

List of Publications by Year
in descending order

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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	Protein assemblies ejected directly from native membranes yield complexes for mass spectrometry. Science, 2018, 362, 829-834.	12.6	155
2	SARS-CoV-2 spike protein binds to bacterial lipopolysaccharide and boosts proinflammatory activity. Journal of Molecular Cell Biology, 2021, 12, 916-932.	3.3	121
3	OmpA: A Flexible Clamp for Bacterial Cell Wall Attachment. Structure, 2016, 24, 2227-2235.	3.3	76
4	Full-Length OmpA: Structure, Function, and Membrane Interactions Predicted by Molecular Dynamics Simulations. Biophysical Journal, 2016, 111, 1692-1702.	0.5	67
5	Braunâ€™s Lipoprotein Facilitates OmpA Interaction with the Escherichia coli Cell Wall. Biophysical Journal, 2017, 113, 1496-1504.	0.5	55
6	It Is Complicated: Curvature, Diffusion, and Lipid Sorting within the Two Membranes of Escherichia coli. Journal of Physical Chemistry Letters, 2017, 8, 5513-5518.	4.6	52
7	The lipoprotein Pal stabilises the bacterial outer membrane during constriction by a mobilisation-and-capture mechanism. Nature Communications, 2020, 11, 1305.	12.8	50
8	Interactions of a Bacterial RND Transporter with a Transmembrane Small Protein in a Lipid Environment. Structure, 2020, 28, 625-634.e6.	3.3	47
9	Binding from Both Sides: TolR and Full-Length OmpA Bind and Maintain the Local Structure of the E.Âcoli Cell Wall. Structure, 2019, 27, 713-724.e2.	3.3	42
10	Atomistic and Coarse Grain Simulations of the Cell Envelope of Gram-Negative Bacteria: What Have We Learned?. Accounts of Chemical Research, 2019, 52, 180-188.	15.6	42
11	Crystal Structures of the Extracellular Domain from PepT1 and PepT2 Provide Novel Insights into Mammalian Peptide Transport. Structure, 2015, 23, 1889-1899.	3.3	40
12	Accurate Prediction of Ligand Affinities for a Proton-Dependent Oligopeptide Transporter. Cell Chemical Biology, 2016, 23, 299-309.	5.2	34
13	Progress in Molecular Dynamics Simulations of Gram-Negative Bacterial Cell Envelopes. Journal of Physical Chemistry Letters, 2017, 8, 2513-2518.	4.6	33
14	Allosteric perspective on the mutability and druggability of the SARS-CoV-2 Spike protein. Structure, 2022, 30, 590-607.e4.	3.3	24
15	Not all therapeutic antibody isotypes are equal: the case of IgM versus IgG in Pertuzumab and Trastuzumab. Chemical Science, 2020, 11, 2843-2854.	7.4	23
16	Movement of Arginine through OprD: The Energetics of Permeation and the Role of Lipopolysaccharide in Directing Arginine to the Protein. Journal of Physical Chemistry B, 2019, 123, 2824-2832.	2.6	20
17	Directional Porin Binding of Intrinsically Disordered Protein Sequences Promotes Colicin Epitope Display in the Bacterial Periplasm. Biochemistry, 2018, 57, 4374-4381.	2.5	12
18	Concentration- and pH-Dependent Oligomerization of the Thrombin-Derived C-Terminal Peptide TCP-25. Biomolecules, 2020, 10, 1572.	4.0	9

#	Article	IF	Citations
19	The role of the jaw subdomain of peptidoglycan glycosyltransferases for lipid II polymerization. Cell Surface, 2018, 2, 54-66.	3.0	8
20	Multiscale Modeling and Simulation Approaches to Lipidâ€“Protein Interactions. Methods in Molecular Biology, 2019, 2003, 1-30.	0.9	7
21	The impact of Gag non-cleavage site mutations on HIV-1 viral fitness from integrative modelling and simulations. Computational and Structural Biotechnology Journal, 2021, 19, 330-342.	4.1	7