

Christian Lw

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,089
citations

15
h-index

32
g-index

55
ext. papers

1,617
ext. citations

7.7
avg, IF

4.42
L-index

#	Paper	IF	Citations
43	Understanding transport by the major facilitator superfamily (MFS): structures pave the way. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 123-32	48.7	214
42	A saposin-lipoprotein nanoparticle system for membrane proteins. <i>Nature Methods</i> , 2016 , 13, 345-51	21.6	152
41	Structural basis for substrate transport in the GLUT-homology family of monosaccharide transporters. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 766-8	17.6	103
40	Selection, biophysical and structural analysis of synthetic nanobodies that effectively neutralize SARS-CoV-2. <i>Nature Communications</i> , 2020 , 11, 5588	17.4	73
39	Structural insights into substrate recognition in proton-dependent oligopeptide transporters. <i>EMBO Reports</i> , 2013 , 14, 804-10	6.5	69
38	Selectivity mechanism of a bacterial homolog of the human drug-peptide transporters PepT1 and PepT2. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 728-31	17.6	59
37	Crystal structure determination and functional characterization of the metallochaperone SlyD from <i>Thermus thermophilus</i> . <i>Journal of Molecular Biology</i> , 2010 , 398, 375-90	6.5	54
36	Saposin Lipid Nanoparticles: A Highly Versatile and Modular Tool for Membrane Protein Research. <i>Structure</i> , 2018 , 26, 345-355.e5	5.2	40
35	High-throughput stability screening for detergent-solubilized membrane proteins. <i>Scientific Reports</i> , 2019 , 9, 10379	4.9	35
34	Multispecific Substrate Recognition in a Proton-Dependent Oligopeptide Transporter. <i>Structure</i> , 2018 , 26, 467-476.e4	5.2	26
33	High-throughput analytical gel filtration screening of integral membrane proteins for structural studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3497-508	4	25
32	Structure of Prototypic Peptide Transporter DtpA from <i>E. coli</i> in Complex with Valganciclovir Provides Insights into Drug Binding of Human PepT1. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2404-2412	16.4	22
31	NMR relaxation unravels interdomain crosstalk of the two domain prolyl isomerase and chaperone SlyD. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011 , 1814, 873-81	4	20
30	Optimisation of over-expression in <i>E. coli</i> and biophysical characterisation of human membrane protein synaptogyrin 1. <i>PLoS ONE</i> , 2012 , 7, e38244	3.7	17
29	Molecular insights into substrate recognition and catalytic mechanism of the chaperone and FKBP peptidyl-prolyl isomerase SlyD. <i>BMC Biology</i> , 2016 , 14, 82	7.3	17
28	Dissecting the Gene Expression, Localization, Membrane Topology, and Function of the <i>Plasmodium falciparum</i> STEVOR Protein Family. <i>MBio</i> , 2019 , 10,	7.8	15
27	Nanobody mediated crystallization of an archeal mechanosensitive channel. <i>PLoS ONE</i> , 2013 , 8, e77984	3.7	15

26	Structure determination of a major facilitator peptide transporter: Inward facing PepTSt from <i>Streptococcus thermophilus</i> crystallized in space group P3121. <i>PLoS ONE</i> , 2017 , 12, e0173126	3.7	15
25	Structural and biochemical characterization of human PR70 in isolation and in complex with the scaffolding subunit of protein phosphatase 2A. <i>PLoS ONE</i> , 2014 , 9, e101846	3.7	11
24	Selection, biophysical and structural analysis of synthetic nanobodies that effectively neutralize SARS-CoV-2		11
23	Membrane Chemistry Tunes the Structure of a Peptide Transporter. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19121-19128	16.4	11
22	Lipid-like Peptides can Stabilize Integral Membrane Proteins for Biophysical and Structural Studies. <i>ChemBioChem</i> , 2017 , 18, 1735-1742	3.8	10
21	High-resolution insights into binding of unfolded polypeptides by the PPlase chaperone SlpA. <i>FASEB Journal</i> , 2012 , 26, 4003-13	0.9	9
20	Tripeptide binding in a proton-dependent oligopeptide transporter. <i>FEBS Letters</i> , 2018 , 592, 3239-3247	3.8	9
19	Structural Insights Into PfARO and Characterization of its Interaction With PfAIP. <i>Journal of Molecular Biology</i> , 2020 , 432, 878-896	6.5	7
18	Probing the Architecture of a Multi-PDZ Domain Protein: Structure of PDZK1 in Solution. <i>Structure</i> , 2018 , 26, 1522-1533.e5	5.2	7
17	Metal-mediated crystallization of the xylose transporter Xyle from <i>Escherichia coli</i> in three different crystal forms. <i>Journal of Structural Biology</i> , 2013 , 184, 375-8	3.4	6
16	Structural role of essential light chains in the apicomplexan glideosome. <i>Communications Biology</i> , 2020 , 3, 568	6.7	6
15	Molecular basis of mRNA transport by a kinesin-1-atypical tropomyosin complex. <i>Genes and Development</i> , 2021 , 35, 976-991	12.6	6
14	In-depth interrogation of protein thermal unfolding data with MoltenProt. <i>Protein Science</i> , 2021 , 30, 201-217	6.3	6
13	Structural snapshots of human PepT1 and PepT2 reveal mechanistic insights into substrate and drug transport across epithelial membranes. <i>Science Advances</i> , 2021 , 7, eabk3259	14.3	3
12	Single-Molecule FRET of Membrane Transport Proteins. <i>ChemBioChem</i> , 2021 , 22, 2657-2671	3.8	3
11	Transient Expression of Recombinant Membrane-eGFP Fusion Proteins in HEK293 Cells. <i>Methods in Molecular Biology</i> , 2018 , 1850, 17-31	1.4	3
10	Structural role of essential light chains in the apicomplexan glideosome		2
9	Identification of novel inner membrane complex and apical annuli proteins of the malaria parasite <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2021 , 23, e13341	3.9	2

8	Moltenprot: A High-Throughput Analysis Platform to Assess Thermodynamic Stability of Membrane Proteins and Complexes. <i>Biophysical Journal</i> , 2019 , 116, 191a	2.9	2
7	Completing the family of human EH domains: Solution structure of the internal EH domain of E synergin.. <i>Protein Science</i> , 2021 ,	6.3	1
6	Characterization of the complex of the lysosomal membrane transporter MFSD1 and its accessory subunit GLMP. <i>FASEB Journal</i> , 2020 , 34, 14695-14709	0.9	1
5	Membrane Chemistry Tunes the Structure of a Peptide Transporter. <i>Angewandte Chemie</i> , 2020 , 132, 19283-19290	3.6	1
4	Deamidation drives molecular aging of the SARS-CoV-2 spike protein receptor-binding motif. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101175	5.4	0
3	PMRT1, a -Specific Parasite Plasma Membrane Transporter, Is Essential for Asexual and Sexual Blood Stage Development.. <i>MBio</i> , 2022 , e0062322	7.8	0
2	Rücktitelbild: Membrane Chemistry Tunes the Structure of a Peptide Transporter (Angew. Chem. 43/2020). <i>Angewandte Chemie</i> , 2020 , 132, 19528-19528	3.6	
1	Impact of distant peptide substrate residues on enzymatic activity of SlyD.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 138	10.3	