

Po-Lin Chiu

List of Publications by Year in descending order

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33
papers

994
citations

566801

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500791

28
g-index

35
all docs

35
docs citations

35
times ranked

1739
citing authors

#	ARTICLE	IF	CITATIONS
1	Macromolecular Assemblies of the Mammalian Circadian Clock. <i>Molecular Cell</i> , 2017, 67, 770-782.e6.	4.5	198
2	ChAdOx1 interacts with CAR and PF4 with implications for thrombosis with thrombocytopenia syndrome. <i>Science Advances</i> , 2021, 7, eabl8213.	4.7	112
3	Visualizing macromolecular complexes with in situ liquid scanning transmission electron microscopy. <i>Micron</i> , 2012, 43, 1085-1090.	1.1	89
4	Nose-to-brain transport of aerosolised quantum dots following acute exposure. <i>Nanotoxicology</i> , 2014, 8, 885-893.	1.6	75
5	Ligand-induced structural changes in the cyclic nucleotide-modulated potassium channel MloK1. <i>Nature Communications</i> , 2014, 5, 3106.	5.8	59
6	An optical and microPET assessment of thermally-sensitive liposome biodistribution in the Met-1 tumor model: Importance of formulation. <i>Journal of Controlled Release</i> , 2010, 143, 13-22.	4.8	56
7	Mapping the interaction between factor VIII and von Willebrand factor by electron microscopy and mass spectrometry. <i>Blood</i> , 2015, 126, 935-938.	0.6	53
8	The Structure of the Prokaryotic Cyclic Nucleotide-Modulated Potassium Channel MloK1 at 16 Å.. Resolution. <i>Structure</i> , 2007, 15, 1053-1064.	1.6	51
9	The structure of the stress-induced photosystem I³siA antenna supercomplex. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 443-449.	3.6	50
10	Dynamic self-assembly of detonation nanodiamond in water. <i>Nanoscale</i> , 2020, 12, 5363-5367.	2.8	34
11	Milestones in electron crystallography. <i>Journal of Computer-Aided Molecular Design</i> , 2006, 20, 519-527.	1.3	32
12	Magnetically Directed Two-Dimensional Crystallization of OmpF Membrane Proteins in Block Copolymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 28-31.	6.6	27
13	Evaluation of super-resolution performance of the K2 electron-counting camera using 2D crystals of aquaporin-0. <i>Journal of Structural Biology</i> , 2015, 192, 163-173.	1.3	26
14	Structural basis of redox modulation on chloroplast ATP synthase. <i>Communications Biology</i> , 2020, 3, 482.	2.0	25
15	The use of trehalose in the preparation of specimens for molecular electron microscopy. <i>Micron</i> , 2011, 42, 762-772.	1.1	20
16	The structural basis for the functional comparability of factor VIII and the long³ecting variant recombinant factor VIII Fc fusion protein. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1167-1179.	1.9	14
17	The <i>C. elegans</i> 3³ UTRome v2 resource for studying mRNA cleavage and polyadenylation, 3³-UTR biology, and miRNA targeting. <i>Genome Research</i> , 2019, 29, 2104-2116.	2.4	14
18	Structural and Functional Analysis of Disease-Linked p97 ATPase Mutant Complexes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8079.	1.8	11

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19	Effect of Lipid Head Groups on Double-Layered Two-Dimensional Crystals Formed by Aquaporin-0. PLoS ONE, 2015, 10, e0117371.	1.1	9
20	Protein secondary structure signatures from energy loss spectra recorded in the electron microscope. Journal of Microscopy, 2021, 282, 215-223.	0.8	6
21	2D and 3D crystallization of the wild-type IIC domain of the glucose PTS transporter from Escherichia coli. Journal of Structural Biology, 2015, 191, 376-380.	1.3	5
22	Electron crystallography reveals that substrate release from the PTS IIC glucose transporter is coupled to a subtle conformational change. Journal of Structural Biology, 2017, 199, 39-45.	1.3	5
23	Cryo-EM reveals conformational flexibility in apo DNA polymerase β . Journal of Biological Chemistry, 2021, 297, 100912.	1.6	5
24	Membrane directed expression in Escherichia coli of BBA57 and other virulence factors from the Lyme disease agent Borrelia burgdorferi. Scientific Reports, 2019, 9, 17606.	1.6	4
25	Probing Structural Perturbation of Biomolecules by Extracting Cryo-EM Data Heterogeneity. Biomolecules, 2022, 12, 628.	1.8	4
26	A library of aminoglycoside-derived lipopolymer nanoparticles for delivery of small molecules and nucleic acids. Journal of Materials Chemistry B, 2020, 8, 8558-8572.	2.9	3
27	Conserved L464 in p97 D1â€D2 linker is critical for p97 cofactor regulated ATPase activity. Biochemical Journal, 2021, 478, 3185-3204.	1.7	1
28	Assessing Structure-Activity Relationships in FVIII By Integration of Structural, Biophysical, and Biochemical Data Obtained with Anti-FVIII Antibodies. Blood, 2014, 124, 4223-4223.	0.6	1
29	Isolation of Functional Temperature Activated Transmembrane Domain of Human TRPM8. Biophysical Journal, 2020, 118, 413a.	0.2	0
30	Structural Studies using Cryo-EM to Unravel Mechanistic Details of p47 Binding To p97. Biophysical Journal, 2020, 118, 501a.	0.2	0
31	Evidence For Flexible Tethering Of Fc To FVIII In Recombinant FVIII-Fc Fusion Protein rFVIII-Fc. Blood, 2013, 122, 1102-1102.	0.6	0
32	Sample Preparation and Data Collection for Electron Crystallographic Studies on Membrane Structures and Lipidâ€Protein Interaction. Methods in Molecular Biology, 2021, 2215, 247-265.	0.4	0
33	Sample Preparation using a Lipid Monolayer Method for Electron Crystallographic Studies. Journal of Visualized Experiments, 2021, , .	0.2	0