

Chang-Cheng Yin

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,036
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

3145
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale generation of functional mRNA-encapsulating exosomes via cellular nanoporation. <i>Nature Biomedical Engineering</i> , 2020, 4, 69-83.	22.5	415
2	Structure of the rabbit ryanodine receptor RyR1 at near-atomic resolution. <i>Nature</i> , 2015, 517, 50-55.	27.8	391
3	Structure of the hepatitis E virus-like particle suggests mechanisms for virus assembly and receptor binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12992-12997.	7.1	214
4	Simultaneous microbial reduction of vanadium (V) and chromium (VI) by <i>Shewanella loihica</i> PV-4. <i>Bioresource Technology</i> , 2017, 227, 353-358.	9.6	101
5	Structural insights into Ca ²⁺ -activated long-range allosteric channel gating of RyR1. <i>Cell Research</i> , 2016, 26, 977-994.	12.0	84
6	Physical Coupling between Ryanodine Receptor and Calcium Release Channels. <i>Journal of Molecular Biology</i> , 2005, 349, 538-546.	4.2	69
7	Electron microscopy studies of the coronavirus ribonucleoprotein complex. <i>Protein and Cell</i> , 2017, 8, 219-224.	11.0	62
8	Structural and functional characterization of polyethylene terephthalate hydrolase from <i>Ideonella sakaiensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 289-294.	2.1	62
9	A Novel Mechanism for Small Heat Shock Proteins to Function as Molecular Chaperones. <i>Scientific Reports</i> , 2015, 5, 8811.	3.3	56
10	The quarternary molecular architecture of TetA, a secondary tetracycline transporter from <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2000, 38, 482-492.	2.5	50
11	Structural and Functional Characterization of Ryanodine Receptor-Natratin Toxin Interaction. <i>Biophysical Journal</i> , 2008, 95, 4289-4299.	0.5	46
12	CLIC2-RyR1 Interaction and Structural Characterization by Cryo-electron Microscopy. <i>Journal of Molecular Biology</i> , 2009, 387, 320-334.	4.2	44
13	A Small Heat Shock Protein Enables <i>Escherichia coli</i> To Grow at a Lethal Temperature of 50°C Conceivably by Maintaining Cell Envelope Integrity. <i>Journal of Bacteriology</i> , 2014, 196, 2004-2011.	2.2	43
14	Two-dimensional crystallization of the ryanodine receptor Ca ²⁺ release channel on lipid membranes. <i>Journal of Structural Biology</i> , 2005, 149, 219-224.	2.8	42
15	Dissection of Influenza A Virus M1 Protein: pH-Dependent Oligomerization of N-Terminal Domain and Dimerization of C-Terminal Domain. <i>PLoS ONE</i> , 2012, 7, e37786.	2.5	42
16	Ryanodine receptor arrays: not just a pretty pattern?. <i>Trends in Cell Biology</i> , 2008, 18, 149-156.	7.9	35
17	Amorphous nickel titanium alloy film: A new choice for cryo electron microscopy sample preparation. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 156, 3-13.	2.9	33
18	An optimized locally adaptive non-local means denoising filter for cryo-electron microscopy data. <i>Journal of Structural Biology</i> , 2010, 172, 211-218.	2.8	28

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19	Increased cellular uptake of peptide-modified PEGylated gold nanoparticles. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 339-345.	2.1	25
20	Shotgun proteomic analysis of sarcoplasmic reticulum preparations from rabbit skeletal muscle. <i>Proteomics</i> , 2013, 13, 2335-2338.	2.2	23
21	The interactions between mitochondria and sarcoplasmic reticulum and the proteome characterization of mitochondria-associated membrane from rabbit skeletal muscle. <i>Proteomics</i> , 2015, 15, 2701-2704.	2.2	21
22	Allosteric conformational changes of human HBV core protein transform its assembly. <i>Scientific Reports</i> , 2017, 7, 1404.	3.3	18
23	Two polar residues within C-terminal domain of M1 are critical for the formation of influenza A Virions. <i>Cellular Microbiology</i> , 2015, 17, 1583-1593.	2.1	16
24	A 130-kDa Protein 4.1B Regulates Cell Adhesion, Spreading, and Migration of Mouse Embryo Fibroblasts by Influencing Actin Cytoskeleton Organization. <i>Journal of Biological Chemistry</i> , 2014, 289, 5925-5937.	3.4	14
25	The molecular architecture of dihydropyridine receptor/L-type Ca ²⁺ channel complex. <i>Scientific Reports</i> , 2015, 5, 8370.	3.3	14
26	A local-optimization refinement algorithm in single particle analysis for macromolecular complex with multiple rigid modules. <i>Protein and Cell</i> , 2016, 7, 46-62.	11.0	13
27	Small heat shock protein AgsA forms dynamic fibrils. <i>FEBS Letters</i> , 2011, 585, 3396-3402.	2.8	12
28	The insecticide chlorantraniliprole is a weak activator of mammalian skeletal ryanodine receptor/Ca ²⁺ release channel. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 633-639.	2.1	12
29	Molecular nature of sulfhydryl modification by hydrogen peroxide on type 1 ryanodine receptor1. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 888-894.	6.1	8
30	A Zernike-moment-based non-local denoising filter for cryo-EM images. <i>Science China Life Sciences</i> , 2013, 56, 384-390.	4.9	7
31	Comprehensive characterization of protein 4.1 expression in epithelium of large intestine. <i>Histochemistry and Cell Biology</i> , 2014, 142, 529-539.	1.7	7
32	Unsupervised Cryo-EM Data Clustering through Adaptively Constrained K-Means Algorithm. <i>PLoS ONE</i> , 2016, 11, e0167765.	2.5	7
33	Interaction of the Homer1 EVH1 domain and skeletal muscle ryanodine receptor. <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 720-725.	2.1	6
34	Characterization of influenza virus PR8 strain cultured in embryonated eggs by cryo-electron tomography. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 57-62.	2.1	4
35	Structural biology revolution led by technical breakthroughs in cryo-electron microscopy. <i>Chinese Physics B</i> , 2018, 27, 058703.	1.4	3
36	Reprint of "Amorphous nickel titanium alloy film: A new choice for cryo electron microscopy sample preparation". <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 5-15.	2.9	3

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37	Binding affinity analysis of the interaction between Homer EVH domain and ryanodine receptor with biosensors based on imaging ellipsometry. <i>Analytical Methods</i> , 2016, 8, 2936-2940.	2.7	0
38	AgsA oligomer acts as a functional unit. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 22-28.	2.1	0