

Wah Chiu

List of Publications by Year in descending order

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Version: 2024-02-01

358
papers

27,539
citations

5558

82
h-index

8599

146
g-index

403
all docs

403
docs citations

403
times ranked

28536
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron crystallography of chiral and non-chiral small molecules. <i>Ultramicroscopy</i> , 2022, 232, 113417.	0.8	2
2	Cryo-EM analysis of Ebola virus nucleocapsid-like assembly. <i>STAR Protocols</i> , 2022, 3, 101030.	0.5	0
3	Capturing the swelling of solid-electrolyte interphase in lithium metal batteries. <i>Science</i> , 2022, 375, 66-70.	6.0	183
4	Cryo-EM, Protein Engineering, and Simulation Enable the Development of Peptide Therapeutics against Acute Myeloid Leukemia. <i>ACS Central Science</i> , 2022, 8, 214-222.	5.3	7
5	Cryo-ET of <i>Toxoplasma</i> parasites gives subnanometer insight into tubulin-based structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	26
6	Methods and Applications of Campenot Trichamber Neuronal Cultures for the Study of Neuroinvasive Viruses. <i>Methods in Molecular Biology</i> , 2022, 2431, 181-206.	0.4	6
7	Planar 2D wireframe DNA origami. <i>Science Advances</i> , 2022, 8, .	4.7	10
8	Chikungunya virus assembly and budding visualized in situ using cryogenic electron tomography. <i>Nature Microbiology</i> , 2022, 7, 1270-1279.	5.9	21
9	Cathode-Electrolyte Interphase in Lithium Batteries Revealed by Cryogenic Electron Microscopy. <i>Matter</i> , 2021, 4, 302-312.	5.0	127
10	Three-Dimensional Analysis of Particle Distribution on Filter Layers inside N95 Respirators by Deep Learning. <i>Nano Letters</i> , 2021, 21, 651-657.	4.5	41
11	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. <i>PLoS Pathogens</i> , 2021, 17, e1008961.	2.1	12
12	A Single Immunization with Spike-Functionalized Ferritin Vaccines Elicits Neutralizing Antibody Responses against SARS-CoV-2 in Mice. <i>ACS Central Science</i> , 2021, 7, 183-199.	5.3	134
13	Cryo-Electron Microscopy (CEM) Structures of Viruses. , 2021, , 233-241.		1
14	Evolution of standardization and dissemination of cryo-EM structures and data jointly by the community, PDB, and EMDb. <i>Journal of Biological Chemistry</i> , 2021, 296, 100560.	1.6	18
15	Cryo-EM model validation recommendations based on outcomes of the 2019 EMDDataResource challenge. <i>Nature Methods</i> , 2021, 18, 156-164.	9.0	73
16	Structural analyses of an RNA stability element interacting with poly(A). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
17	Preface. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 1.	1.4	0
18	Structural and functional dissection of reovirus capsid folding and assembly by the prefoldin-TRiC/CCT chaperone network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30

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19	RNA nanotechnology to build a dodecahedral genome of single-stranded RNA virus. <i>RNA Biology</i> , 2021, 18, 2390-2400.	1.5	8
20	REMBI: Recommended Metadata for Biological Images enabling reuse of microscopy data in biology. <i>Nature Methods</i> , 2021, 18, 1418-1422.	9.0	63
21	Regulation of reversible conformational change, size switching, and immunomodulation of RNA nanocubes. <i>Rna</i> , 2021, 27, 971-980.	1.6	2
22	Explore the complexity of proteins with an expanded CryoET data processing pipeline. <i>Microscopy and Microanalysis</i> , 2021, 27, 2816-2817.	0.2	0
23	CryoEM Map-Model Scores: From Average Density to Q-scores. <i>Microscopy and Microanalysis</i> , 2021, 27, 1382-1384.	0.2	1
24	Cryogenic Electron Microscopy for Energy Materials. <i>Accounts of Chemical Research</i> , 2021, 54, 3505-3517.	7.6	19
25	Cryo-electron tomography provides topological insights into mutant huntingtin exon 1 and polyQ aggregates. <i>Communications Biology</i> , 2021, 4, 849.	2.0	19
26	Resolve cathode electrolyte interphase in lithium batteries with cryo-EM. <i>Microscopy and Microanalysis</i> , 2021, 27, 2188-2190.	0.2	0
27	High Resolution Data Collection at S2C2, a National CryoEM Center. <i>Microscopy and Microanalysis</i> , 2021, 27, 1152-1154.	0.2	0
28	Validation, analysis and annotation of cryo-EM structures. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1142-1152.	1.1	14
29	CryoEM reveals the stochastic nature of individual ATP binding events in a group II chaperonin. <i>Nature Communications</i> , 2021, 12, 4754.	5.8	9
30	Cryo-EM and antisense targeting of the 28-kDa frameshift stimulation element from the SARS-CoV-2 RNA genome. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 747-754.	3.6	91
31	Cryo-EM structures of full-length Tetrahymena ribozyme at 3.1 Å resolution. <i>Nature</i> , 2021, 596, 603-607.	13.7	59
32	Rapid prototyping of arbitrary 2D and 3D wireframe DNA origami. <i>Nucleic Acids Research</i> , 2021, 49, 10265-10274.	6.5	51
33	Target highlights in CASP14: Analysis of models by structure providers. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1647-1672.	1.5	27
34	Altered Cardiac Energetics and Mitochondrial Dysfunction in Hypertrophic Cardiomyopathy. <i>Circulation</i> , 2021, 144, 1714-1731.	1.6	90
35	Mapping the catalytic conformations of an assembly-line polyketide synthase module. <i>Science</i> , 2021, 374, 729-734.	6.0	41
36	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0

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37	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
38	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
39	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
40	Cryo-EM and MD infer water-mediated proton transport and autoinhibition mechanisms of V_o complex. Science Advances, 2020, 6, .	4.7	51
41	Full-length three-dimensional structure of the influenza A virus M1 protein and its organization into a matrix layer. PLoS Biology, 2020, 18, e3000827.	2.6	20
42	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. Matter, 2020, 2, 1064.	5.0	2
43	Cryogenic Correlative Singleâ€Particle Photoluminescence Spectroscopy and Electron Tomography for Investigation of Nanomaterials. Angewandte Chemie, 2020, 132, 15772-15778.	1.6	1
44	Opportunities for Cryogenic Electron Microscopy in Materials Science and Nanoscience. ACS Nano, 2020, 14, 9263-9276.	7.3	55
45	Multi-scale 3D Cryo-Correlative Microscopy for Vitrified Cells. Structure, 2020, 28, 1231-1237.e3.	1.6	60
46	3D RNA nanocage for encapsulation and shielding of hydrophobic biomolecules to improve the in vivo biodistribution. Nano Research, 2020, 13, 3241-3247.	5.8	4
47	Unique cellular protrusions mediate breast cancer cell migration by tethering to osteogenic cells. Npj Breast Cancer, 2020, 6, 42.	2.3	14
48	Decontamination of SARS-CoV-2 and Other RNA Viruses from N95 Level Meltblown Polypropylene Fabric Using Heat under Different Humidities. ACS Nano, 2020, 14, 14017-14025.	7.3	69
49	A glycoprotein B-neutralizing antibody structure at 2.8â€Å... uncovers a critical domain for herpesvirus fusion initiation. Nature Communications, 2020, 11, 4141.	5.8	23
50	A 3.4-Å... cryo-electron microscopy structure of the human coronavirus spike trimer computationally derived from vitrified NL63 virus particles. QRB Discovery, 2020, 1, e11.	0.6	10
51	Resolving individual-Åatoms of protein complex by cryo-electron microscopy. Cell Research, 2020, 30, 1136-1139.	5.7	69
52	Sub-Å...ngstr-Åm-resolution MicroED Using a Direct Detection Camera. Microscopy and Microanalysis, 2020, 26, 1524-1526.	0.2	0
53	Cryogenic single-molecule fluorescence annotations for electron tomography reveal in situ organization of key proteins in <i>Caulobacter</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13937-13944.	3.3	73
54	Cryo-EM structures of NPC1L1 reveal mechanisms of cholesterol transport and ezetimibe inhibition. Science Advances, 2020, 6, eabb1989.	4.7	49

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55	Cryo-EM Structures of Human Drosha and DGCR8 in Complex with Primary MicroRNA. <i>Molecular Cell</i> , 2020, 78, 411-422.e4.	4.5	75
56	Accelerated cryo-EM-guided determination of three-dimensional RNA-only structures. <i>Nature Methods</i> , 2020, 17, 699-707.	9.0	119
57	Structure of the G protein chaperone and guanine nucleotide exchange factor Ric-8A bound to G α 1. <i>Nature Communications</i> , 2020, 11, 1077.	5.8	18
58	Arrangement of the Polymerase Complexes inside a Nine-Segmented dsRNA Virus. <i>Structure</i> , 2020, 28, 604-612.e3.	1.6	10
59	Ultra-thermostable RNA nanoparticles for solubilizing and high-yield loading of paclitaxel for breast cancer therapy. <i>Nature Communications</i> , 2020, 11, 972.	5.8	86
60	Measurement of atom resolvability in cryo-EM maps with Q-scores. <i>Nature Methods</i> , 2020, 17, 328-334.	9.0	230
61	TrkA undergoes a tetramer-to-dimer conversion to open TrkH which enables changes in membrane potential. <i>Nature Communications</i> , 2020, 11, 547.	5.8	20
62	Cryogenic Correlative Single-Particle Photoluminescence Spectroscopy and Electron Tomography for Investigation of Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15642-15648.	7.2	8
63	Inhibition mechanisms of AcrF9, AcrF8, and AcrF6 against type I-F CRISPR-Cas complex revealed by cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7176-7182.	3.3	35
64	Evolving data standards for cryo-EM structures. <i>Structural Dynamics</i> , 2020, 7, 014701.	0.9	26
65	Title is missing!. , 2020, 18, e3000827.		0
66	Title is missing!. , 2020, 18, e3000827.		0
67	Title is missing!. , 2020, 18, e3000827.		0
68	Title is missing!. , 2020, 18, e3000827.		0
69	Redox Engineering of Cytochrome c using DNA Nanostructure-Based Charged Encapsulation and Spatial Control. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13874-13880.	4.0	27
70	Stanford-SLAC Cryo-EM Center (S ² C ²). <i>Microscopy and Microanalysis</i> , 2019, 25, 2658-2659.	0.2	1
71	Cryo-electron microscopy targets in CASP13: Overview and evaluation of results. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 1128-1140.	1.5	21
72	Cryo-EM Study of Chaperonin Mm-Cpn's Conformational Heterogeneity under Different ATP Conditions. <i>Microscopy and Microanalysis</i> , 2019, 25, 1006-1007.	0.2	1

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73	Unravelling Degradation Mechanisms and Atomic Structure of Organic-Inorganic Halide Perovskites by Cryo-EM. <i>Joule</i> , 2019, 3, 2854-2866.	11.7	99
74	Segmentation and Comparative Modeling in an 8.6-Å... Cryo-EM Map of the Singapore Grouper Iridovirus. <i>Structure</i> , 2019, 27, 1561-1569.e4.	1.6	10
75	Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks. <i>Matter</i> , 2019, 1, 428-438.	5.0	102
76	Cryo-EM structures of <i>Helicobacter pylori</i> vacuolating cytotoxin A oligomeric assemblies at near-atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6800-6805.	3.3	33
77	Coupling of ssRNA cleavage with DNase activity in type III-A CRISPR-Csm revealed by cryo-EM and biochemistry. <i>Cell Research</i> , 2019, 29, 305-312.	5.7	40
78	The Chaperonin TRiC/CCT Associates with Prefoldin through a Conserved Electrostatic Interface Essential for Cellular Proteostasis. <i>Cell</i> , 2019, 177, 751-765.e15.	13.5	98
79	Structural basis of amino acid surveillance by higher-order tRNA-mRNA interactions. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1094-1105.	3.6	52
80	Cryo-EM structure of a 40 kDa SAM-IV riboswitch RNA at 3.7 Å resolution. <i>Nature Communications</i> , 2019, 10, 5511.	5.8	90
81	Photo-controlled release of paclitaxel and model drugs from RNA pyramids. <i>Nano Research</i> , 2019, 12, 41-48.	5.8	32
82	Structure of <i>Calcarisporiella thermophila</i> Hsp104 Disaggregase that Antagonizes Diverse Proteotoxic Misfolding Events. <i>Structure</i> , 2019, 27, 449-463.e7.	1.6	29
83	Structures of TRPV2 in distinct conformations provide insight into role of the pore turret. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 40-49.	3.6	47
84	Automated Sequence Design of 3D Polyhedral Wireframe DNA Origami with Honeycomb Edges. <i>ACS Nano</i> , 2019, 13, 2083-2093.	7.3	77
85	Electron Cryo-microscopy Structure of Ebola Virus Nucleoprotein Reveals a Mechanism for Nucleocapsid-like Assembly. <i>Cell</i> , 2018, 172, 966-978.e12.	13.5	51
86	The 3.5-Å... CryoEM Structure of Nanodisc-Reconstituted Yeast Vacuolar ATPase Vo Proton Channel. <i>Molecular Cell</i> , 2018, 69, 993-1004.e3.	4.5	103
87	Structure of the 30 kDa HIV-1 RNA Dimerization Signal by a Hybrid Cryo-EM, NMR, and Molecular Dynamics Approach. <i>Structure</i> , 2018, 26, 490-498.e3.	1.6	52
88	Purification of AcrAB-TolC Multidrug Efflux Pump for Cryo-EM Analysis. <i>Methods in Molecular Biology</i> , 2018, 1700, 71-81.	0.4	0
89	Novel Insect-Specific Eilat Virus-Based Chimeric Vaccine Candidates Provide Durable, Mono- and Multivalent, Single-Dose Protection against Lethal Alphavirus Challenge. <i>Journal of Virology</i> , 2018, 92, .	1.5	44
90	Distribution of evaluation scores for the models submitted to the second cryo-EM model challenge. <i>Data in Brief</i> , 2018, 20, 1629-1638.	0.5	5

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91	Machining protein microcrystals for structure determination by electron diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9569-9573.	3.3	69
92	GENFIRE: from Precisely Localizing Single Atoms in Materials to High Resolution 3D Imaging of Cellular Structures. Microscopy and Microanalysis, 2018, 24, 1446-1447.	0.2	0
93	Programming molecular topologies from single-stranded nucleic acids. Nature Communications, 2018, 9, 4579.	5.8	39
94	Assessment of structural features in Cryo-EM density maps using SSE and side chain Z-scores. Journal of Structural Biology, 2018, 204, 564-571.	1.3	23
95	Evaluation system and web infrastructure for the second cryo-EM model challenge. Journal of Structural Biology, 2018, 204, 96-108.	1.3	11
96	The first single particle analysis Map Challenge: A summary of the assessments. Journal of Structural Biology, 2018, 204, 291-300.	1.3	17
97	Neutralizing Antibodies Inhibit Chikungunya Virus Budding at the Plasma Membrane. Cell Host and Microbe, 2018, 24, 417-428.e5.	5.1	56
98	Visualizing Individual RuBisCO and Its Assembly into Carboxysomes in Marine Cyanobacteria by Cryo-Electron Tomography. Journal of Molecular Biology, 2018, 430, 4156-4167.	2.0	63
99	Flagellum couples cell shape to motility in <i>Trypanosoma brucei</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5916-E5925.	3.3	29
100	Accurate model annotation of a near-atomic resolution cryo-EM map. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3103-3108.	3.3	111
101	Novel Mechanism of Gating in the TrkH-TrkA Complex. Biophysical Journal, 2017, 112, 21a-22a.	0.2	0
102	Visualizing Adsorption of Cyanophage P-SSP7 onto Marine Prochlorococcus. Scientific Reports, 2017, 7, 44176.	1.6	24
103	SuRVoS: Super-Region Volume Segmentation workbench. Journal of Structural Biology, 2017, 198, 43-53.	1.3	72
104	A chikungunya fever vaccine utilizing an insect-specific virus platform. Nature Medicine, 2017, 23, 192-199.	15.2	105
105	Programmable Supraassembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. Angewandte Chemie - International Edition, 2017, 56, 14632-14636.	7.2	76
106	Programmable Supraassembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. Angewandte Chemie, 2017, 129, 14824-14828.	1.6	20
107	Responses to 'Atomic resolution': a badly abused term in structural biology. Acta Crystallographica Section D: Structural Biology, 2017, 73, 381-383.	1.1	7
108	Structural and Functional Impacts of ER Coactivator Sequential Recruitment. Molecular Cell, 2017, 67, 733-743.e4.	4.5	69

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109	Convolutional neural networks for automated annotation of cellular cryo-electron tomograms. <i>Nature Methods</i> , 2017, 14, 983-985.	9.0	298
110	GENFIRE: A generalized Fourier iterative reconstruction algorithm for high-resolution 3D imaging. <i>Scientific Reports</i> , 2017, 7, 10409.	1.6	71
111	Subunit conformational variation within individual GroEL oligomers resolved by Cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8259-8264.	3.3	86
112	Electron Cryomicroscopy of Viruses at Near-Atomic Resolutions. <i>Annual Review of Virology</i> , 2017, 4, 287-308.	3.0	25
113	Editorial overview: Cryo Electron Microscopy: Exciting advances in CryoEM Herald a new era in structural biology. <i>Current Opinion in Structural Biology</i> , 2017, 46, iv-viii.	2.6	17
114	Influence of DNA sequence on the structure of minicircles under torsional stress. <i>Nucleic Acids Research</i> , 2017, 45, 7633-7642.	6.5	32
115	Going Deeper in Cryo Electron Tomography with Neural Networks. <i>Microscopy and Microanalysis</i> , 2017, 23, 814-815.	0.2	0
116	An allosteric transport mechanism for the AcrAB-TolC multidrug efflux pump. <i>ELife</i> , 2017, 6, .	2.8	190
117	Controllable Self-Assembly of RNA Tetrahedrons with Precise Shape and Size for Cancer Targeting. <i>Advanced Materials</i> , 2016, 28, 7501-7507.	11.1	70
118	Quantifying Variability of Manual Annotation in Cryo-Electron Tomograms. <i>Microscopy and Microanalysis</i> , 2016, 22, 487-496.	0.2	22
119	Designer nanoscale DNA assemblies programmed from the top down. <i>Science</i> , 2016, 352, 1534-1534.	6.0	500
120	Alignment algorithms and per-particle CTF correction for single particle cryo-electron tomography. <i>Journal of Structural Biology</i> , 2016, 194, 383-394.	1.3	42
121	TRiC subunits enhance BDNF axonal transport and rescue striatal atrophy in Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5655-64.	3.3	74
122	Visualizing red blood cell sickling and the effects of inhibition of sphingosine kinase 1 using soft x-ray tomography. <i>Journal of Cell Science</i> , 2016, 129, 3511-7.	1.2	21
123	Fabrication of RNA 3D Nanoprisms for Loading and Protection of Small RNAs and Model Drugs. <i>Advanced Materials</i> , 2016, 28, 10079-10087.	11.1	54
124	Chaperonin TRiC/CCT Recognizes Fusion Oncoprotein AML1-ETO through Subunit-Specific Interactions. <i>Biophysical Journal</i> , 2016, 110, 2377-2385.	0.2	12
125	Structure of the AcrABZ-TolC Multidrug Efflux Pump in a Drug-Bound State. <i>Biophysical Journal</i> , 2016, 110, 10a.	0.2	0
126	Resolution and Probabilistic Models of Components in CryoEM Maps of Mature P22 Bacteriophage. <i>Biophysical Journal</i> , 2016, 110, 827-839.	0.2	43

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127	EMDataBank unified data resource for 3DEM. <i>Nucleic Acids Research</i> , 2016, 44, D396-D403.	6.5	230
128	Resolution and Probabilistic Structural Models of Subcomponents Derived from CryoEM Maps of Mature P22 Bacteriophage. <i>Biophysical Journal</i> , 2016, 110, 158a.	0.2	0
129	The Electron Microscopy eXchange (EMX) initiative. <i>Journal of Structural Biology</i> , 2016, 194, 156-163.	1.3	12
130	Computational Tools to Improve Visualization by Cryo-Electron Tomography. <i>Biophysical Journal</i> , 2016, 110, 159a.	0.2	2
131	Chaperonin TRiC/CCT Modulates the Folding and Activity of Leukemogenic Fusion Oncoprotein AML1-ETO. <i>Journal of Biological Chemistry</i> , 2016, 291, 4732-4741.	1.6	25
132	Control of the structural landscape and neuronal proteotoxicity of mutant Huntingtin by domains flanking the polyQ tract. <i>ELife</i> , 2016, 5, .	2.8	62
133	Contribution of the Type II Chaperonin, TRiC/CCT, to Oncogenesis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26706-26720.	1.8	65
134	Modeling Protein Structure in Macromolecular Assemblies at Near Atomic Resolutions. <i>Microscopy and Microanalysis</i> , 2015, 21, 541-542.	0.2	0
135	IP3R1 - Assessing Map Interpretability at Near Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2015, 21, 543-544.	0.2	0
136	Zernike Phase Plate Configuration at Intermediate Lens Position on JEM2200FS. <i>Microscopy and Microanalysis</i> , 2015, 21, 2143-2144.	0.2	1
137	Optimization of JEM2200FS for Zernike Phase Contrast Cryo-EM. <i>Microscopy and Microanalysis</i> , 2015, 21, 1577-1578.	0.2	1
138	Electron cryotomography reveals ultrastructure alterations in platelets from patients with ovarian cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14266-14271.	3.3	61
139	Structure of a Biologically Active Estrogen Receptor-Coactivator Complex on DNA. <i>Molecular Cell</i> , 2015, 57, 1047-1058.	4.5	137
140	Lemon-shaped halo archaeal virus His1 with uniform tail but variable capsid structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2449-2454.	3.3	43
141	An Intrinsically Disordered Peptide from Ebola Virus VP35 Controls Viral RNA Synthesis by Modulating Nucleoprotein-RNA Interactions. <i>Cell Reports</i> , 2015, 11, 376-389.	2.9	136
142	Structural Mechanisms of Mutant Huntingtin Aggregation Suppression by the Synthetic Chaperonin-like CCT5 Complex Explained by Cryoelectron Tomography. <i>Journal of Biological Chemistry</i> , 2015, 290, 17451-17461.	1.6	35
143	Outcome of the First wwPDB Hybrid/Integrative Methods Task Force Workshop. <i>Structure</i> , 2015, 23, 1156-1167.	1.6	159
144	CTF Challenge: Result summary. <i>Journal of Structural Biology</i> , 2015, 190, 348-359.	1.3	34

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145	Gating machinery of InsP3R channels revealed by electron cryomicroscopy. <i>Nature</i> , 2015, 527, 336-341.	13.7	199
146	Structural diversity of supercoiled DNA. <i>Nature Communications</i> , 2015, 6, 8440.	5.8	122
147	Improved Peak Detection and Deconvolution of Native Electrospray Mass Spectra from Large Protein Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 2141-2151.	1.2	49
148	The pseudo-atomic structure of an RND-type tripartite multidrug efflux pump. <i>Biological Chemistry</i> , 2015, 396, 1073-1082.	1.2	10
149	A Newly Isolated Reovirus Has the Simplest Genomic and Structural Organization of Any Reovirus. <i>Journal of Virology</i> , 2015, 89, 676-687.	1.5	50
150	Modulation of STAT3 Folding and Function by TRiC/CCT Chaperonin. <i>PLoS Biology</i> , 2014, 12, e1001844.	2.6	84
151	A Structural Model of the Genome Packaging Process in a Membrane-Containing Double Stranded DNA Virus. <i>PLoS Biology</i> , 2014, 12, e1002024.	2.6	41
152	An atomic model of brome mosaic virus using direct electron detection and real-space optimization. <i>Nature Communications</i> , 2014, 5, 4808.	5.8	105
153	A 3D cellular context for the macromolecular world. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 841-845.	3.6	47
154	Protruding knob-like proteins violate local symmetries in an icosahedral marine virus. <i>Nature Communications</i> , 2014, 5, 4278.	5.8	21
155	Zernike phase-contrast electron cryotomography applied to marine cyanobacteria infected with cyanophages. <i>Nature Protocols</i> , 2014, 9, 2630-2642.	5.5	24
156	Preparation of Primary Neurons for Visualizing Neurites in a Frozen-hydrated State Using Cryo-Electron Tomography. <i>Journal of Visualized Experiments</i> , 2014, , e50783.	0.2	10
157	Multiple Functional Roles of the Accessory I-Domain of Bacteriophage P22 Coat Protein Revealed by NMR Structure and CryoEM Modeling. <i>Structure</i> , 2014, 22, 830-841.	1.6	40
158	Structure of the AcrAB-TolC multidrug efflux pump. <i>Nature</i> , 2014, 509, 512-515.	13.7	519
159	Capsid expansion mechanism of bacteriophage T7 revealed by multistate atomic models derived from cryo-EM reconstructions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4606-14.	3.3	87
160	Crystal structure of a nematode-infecting virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12781-12786.	3.3	28
161	Multifunctional RNA Nanoparticles. <i>Nano Letters</i> , 2014, 14, 5662-5671.	4.5	181
162	Reprogramming an ATP-Driven Biological Machine into a Light-Gated Protein Nanocage. <i>Biophysical Journal</i> , 2014, 106, 439a.	0.2	0

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