

Yoshinori Fujiyoshi

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194 papers	16,123 citations	57 h-index	125 g-index
204 ext. papers	17,497 ext. citations	8.9 avg, IF	6.27 L-index

#	Paper	IF	Citations
194	Atomic model of plant light-harvesting complex by electron crystallography. <i>Nature</i> , 1994 , 367, 614-21	50.4	1820
193	Structural determinants of water permeation through aquaporin-1. <i>Nature</i> , 2000 , 407, 599-605	50.4	1405
192	Structure and gating mechanism of the acetylcholine receptor pore. <i>Nature</i> , 2003 , 423, 949-55	50.4	1065
191	Aquaporin water channels--from atomic structure to clinical medicine. <i>Journal of Physiology</i> , 2002 , 542, 3-16	3.9	839
190	Functional role of internal water molecules in rhodopsin revealed by X-ray crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5982-7	11.5	650
189	Lipid-protein interactions in double-layered two-dimensional AQP0 crystals. <i>Nature</i> , 2005 , 438, 633-8	50.4	541
188	Structure of the connexin 26 gap junction channel at 3.5 Å resolution. <i>Nature</i> , 2009 , 458, 597-602	50.4	537
187	Surface of bacteriorhodopsin revealed by high-resolution electron crystallography. <i>Nature</i> , 1997 , 389, 206-11	50.4	425
186	Nicotinic acetylcholine receptor at 4.6 Å resolution: transverse tunnels in the channel wall. <i>Journal of Molecular Biology</i> , 1999 , 288, 765-86	6.5	422
185	The three-dimensional structure of aquaporin-1. <i>Nature</i> , 1997 , 387, 624-7	50.4	400
184	Unique multipotent cells in adult human mesenchymal cell populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8639-43	11.5	338
183	Implications of the aquaporin-4 structure on array formation and cell adhesion. <i>Journal of Molecular Biology</i> , 2006 , 355, 628-39	6.5	320
182	The voltage-sensitive sodium channel is a bell-shaped molecule with several cavities. <i>Nature</i> , 2001 , 409, 1047-51	50.4	235
181	The structure of bacteriorhodopsin at 3.0 Å resolution based on electron crystallography: implication of the charge distribution. <i>Journal of Molecular Biology</i> , 1999 , 286, 861-82	6.5	234
180	Crystal structure of a claudin provides insight into the architecture of tight junctions. <i>Science</i> , 2014 , 344, 304-7	33.3	229
179	Structure and function of water channels. <i>Current Opinion in Structural Biology</i> , 2002 , 12, 509-15	8.1	227
178	Activation of the nicotinic acetylcholine receptor involves a switch in conformation of the alpha subunits. <i>Journal of Molecular Biology</i> , 2002 , 319, 1165-76	6.5	220

177	Multilineage-differentiating stress-enduring (Muse) cells are a primary source of induced pluripotent stem cells in human fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9875-80	11.5	217
176	Development of a superfluid helium stage for high-resolution electron microscopy. <i>Ultramicroscopy</i> , 1991 , 38, 241-251	3.1	175
175	The structural study of membrane proteins by electron crystallography. <i>Advances in Biophysics</i> , 1998 , 35, 25-80		163
174	Three-dimensional structure of a human connexin26 gap junction channel reveals a plug in the vestibule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10034-9	11.5	159
173	Gating movement of acetylcholine receptor caught by plunge-freezing. <i>Journal of Molecular Biology</i> , 2012 , 422, 617-634	6.5	143
172	The structure of the R-type straight flagellar filament of Salmonella at 9 Å resolution by electron cryomicroscopy. <i>Journal of Molecular Biology</i> , 1995 , 249, 69-87	6.5	131
171	Lattice images from ultrathin sections of cellulose microfibrils in the cell wall of Valonia macrophysa Kütz. <i>Planta</i> , 1985 , 166, 161-8	4.7	125
170	Structural basis for detoxification and oxidative stress protection in membranes. <i>Journal of Molecular Biology</i> , 2006 , 360, 934-45	6.5	124
169	Tight junctions. Structural insight into tight junction disassembly by Clostridium perfringens enterotoxin. <i>Science</i> , 2015 , 347, 775-8	33.3	123
168	Aquaporin-11 containing a divergent NPA motif has normal water channel activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 688-93	3.8	117
167	The structure of aquaporin-1 at 4.5-Å resolution reveals short alpha-helices in the center of the monomer. <i>Journal of Structural Biology</i> , 1999 , 128, 34-43	3.4	116
166	Acetazolamide reversibly inhibits water conduction by aquaporin-4. <i>Journal of Structural Biology</i> , 2009 , 166, 16-21	3.4	109
165	Model for the architecture of claudin-based paracellular ion channels through tight junctions. <i>Journal of Molecular Biology</i> , 2015 , 427, 291-7	6.5	108
164	Mechanism of aquaporin-4 fast and highly selective water conduction and proton exclusion. <i>Journal of Molecular Biology</i> , 2009 , 389, 694-706	6.5	103
163	Activation mechanism of endothelin ET receptor by endothelin-1. <i>Nature</i> , 2016 , 537, 363-368	50.4	103
162	Improved specimen preparation for cryo-electron microscopy using a symmetric carbon sandwich technique. <i>Journal of Structural Biology</i> , 2004 , 146, 325-33	3.4	97
161	Neuromyelitis optica and anti-aquaporin-4 antibodies measured by an enzyme-linked immunosorbent assay. <i>Journal of Neuroimmunology</i> , 2008 , 196, 181-7	3.5	96
160	Inositol 1,4,5-trisphosphate receptor contains multiple cavities and L-shaped ligand-binding domains. <i>Journal of Molecular Biology</i> , 2004 , 336, 155-64	6.5	89

- 159 Water permeability and characterization of aquaporin-11. *Journal of Structural Biology*, **2011**, 174, 315-20. 84
- 158 Roles of Met-34, Cys-64, and Arg-75 in the assembly of human connexin 26. Implication for key amino acid residues for channel formation and function. *Journal of Biological Chemistry*, **2003**, 278, 1807-16. 84
- 157 Human umbilical cord-derived mesenchymal stromal cells differentiate into functional Schwann cells that sustain peripheral nerve regeneration. *Journal of Neuropathology and Experimental Neurology*, **2010**, 69, 973-85. 3.1 83
- 156 The TRPC3 channel has a large internal chamber surrounded by signal sensing antennas. *Journal of Molecular Biology*, **2007**, 367, 373-83. 6.5 77
- 155 A new method for optimal-resolution electron microscopy of radiation-sensitive specimens. *Ultramicroscopy*, **1980**, 5, 459-468. 3.1 77
- 154 Junction-forming aquaporins. *Current Opinion in Structural Biology*, **2008**, 18, 229-35. 8.1 76
- 153 Holes in a stearic acid monolayer observed by dark-field electron microscopy. *Nature*, **1987**, 327, 319-321. 50.4 76
- 152 Two-dimensional crystals: a powerful approach to assess structure, function and dynamics of membrane proteins. *FEBS Letters*, **2001**, 504, 166-72. 3.8 74
- 151 GraDeR: Membrane Protein Complex Preparation for Single-Particle Cryo-EM. *Structure*, **2015**, 23, 1769-1775. 37.5 73
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- 149 Moyamoya disease-associated protein myosin/RNF213 is a novel AAA+ ATPase, which dynamically changes its oligomeric state. *Scientific Reports*, **2014**, 4, 4442. 4.9 71
- 148 Atomic structure of the innexin-6 gap junction channel determined by cryo-EM. *Nature Communications*, **2016**, 7, 13681. 17.4 71
- 147 Inter-subunit interaction of gastric H⁺,K⁺-ATPase prevents reverse reaction of the transport cycle. *EMBO Journal*, **2009**, 28, 1637-43. 13 70
- 146 Dodecamer rotor ring defines H⁺/ATP ratio for ATP synthesis of prokaryotic V-ATPase from *Thermus thermophilus*. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20256-61. 11.5 69
- 145 Dual inhibition of SNARE complex formation by tomosyn ensures controlled neurotransmitter release. *Journal of Cell Biology*, **2008**, 183, 323-37. 7.3 60
- 144 Studies of poly- β -methyl-L-glutamate monolayers by infrared ATR and transmission spectroscopy and electron microscopy. *Journal of Colloid and Interface Science*, **1981**, 84, 220-227. 9.3 60
- 143 The AQP structure and functional implications. *Handbook of Experimental Pharmacology*, **2009**, 31-56. 3.2 59
- 142 A new method to measure bilayer thickness: cryo-electron microscopy of frozen hydrated liposomes and image simulation. *Micron*, **1994**, 25, 141-9. 2.3 59

141	Bovine F1Fo ATP synthase monomers bend the lipid bilayer in 2D membrane crystals. <i>ELife</i> , 2015 , 4, e06119	11.9	59
140	Conformational rearrangement of gastric H(+),K(+)-ATPase induced by an acid suppressant. <i>Nature Communications</i> , 2011 , 2, 155	17.4	58
139	High-resolution TEM images of zinc phthalocyanine polymorphs in thin films. <i>The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography</i> , 1981 , 37, 692-697		58
138	Improved high resolution image processing of bright field electron micrographs. <i>Ultramicroscopy</i> , 1985 , 17, 87-103	3.1	57
137	Asymmetric configurations and N-terminal rearrangements in connexin26 gap junction channels. <i>Journal of Molecular Biology</i> , 2011 , 405, 724-35	6.5	56
136	Crystal structures of the gastric proton pump. <i>Nature</i> , 2018 , 556, 214-218	50.4	55
135	Comparative study of the gating motif and C-type inactivation in prokaryotic voltage-gated sodium channels. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3685-3694	5.4	52
134	Crystal structure of Ag \square TCNQ. <i>Nature</i> , 1980 , 285, 95-97	50.4	52
133	The structural study of membrane proteins by electron crystallography. <i>Advances in Biophysics</i> , 1998 , 35, 25-80		52
132	Control of Spontaneous Ca ²⁺ Transients Is Critical for Neuronal Maturation in the Developing Neocortex. <i>Cerebral Cortex</i> , 2016 , 26, 106-117	5.1	51
131	Electron tomography reveals diverse conformations of integrin α IIb β 3 in the active state. <i>Journal of Structural Biology</i> , 2005 , 150, 259-67	3.4	51
130	Two alternative conformations of a voltage-gated sodium channel. <i>Journal of Molecular Biology</i> , 2013 , 425, 4074-88	6.5	49
129	Interactions of endothelin receptor subtypes A and B with Gi, Go, and Gq in reconstituted phospholipid vesicles. <i>Biochemistry</i> , 1999 , 38, 3090-9	3.2	48
128	Surface enhanced Raman scattering of citrate ions adsorbed on gold sol particles. <i>Surface Science</i> , 1982 , 119, 150-158	1.8	46
127	Direct interaction of flagellin termini essential for polymorphic ability of flagellar filament. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 15108-13	11.5	46
126	X-ray structures of endothelin ET receptor bound to clinical antagonist bosentan and its analog. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 758-764	17.6	45
125	Digital reconstruction of bright field phase contrast images from high resolution electron micrographs. <i>Ultramicroscopy</i> , 1980 , 5, 479-503	3.1	45
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123	Surface pressure dependence of monolayer structure of poly- γ -benzyloxycarbonyl-L-lysine. <i>Journal of Colloid and Interface Science</i> , 1983 , 91, 267-271	9.3	43
122	Regulated interaction of endothelin B receptor with caveolin-1. <i>FEBS Journal</i> , 2003 , 270, 1816-27		42
121	Ligand binding of the second PDZ domain regulates clustering of PSD-95 with the Kv1.4 potassium channel. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3640-6	5.4	42
120	Electron cryo-microscopic studies on micellar shape and size of surfactin, an anionic lipopeptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 1995 , 5, 43-48	6	41
119	The observation of molecular orientations in crystal defects and the growth mechanism of thin phthalocyanine films. <i>The Acta Crystallographica Section A, Crystal Physics, Diffraction and General Crystallography</i> , 1982 , 38, 356-362		40
118	The 3.0 Å projection structure of microsomal glutathione transferase as determined by electron crystallography of p 21212 two-dimensional crystals. <i>Journal of Molecular Biology</i> , 1997 , 271, 751-8	6.5	38
117	Expression, purification, and reconstitution of receptor for pituitary adenylate cyclase-activating polypeptide. large-scale purification of a functionally active G protein-coupled receptor produced in Sf9 insect cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15464-73	5.4	38
116	Impaired synaptic clustering of postsynaptic density proteins and altered signal transmission in hippocampal neurons, and disrupted learning behavior in PDZ1 and PDZ2 ligand binding-deficient PSD-95 knockin mice. <i>Molecular Brain</i> , 2012 , 5, 43	4.5	37
115	The three-dimensional map of microsomal glutathione transferase 1 at 6 Å resolution. <i>EMBO Journal</i> , 2000 , 19, 6311-6	13	37
114	Role of the outermost subdomain of Salmonella flagellin in the filament structure revealed by electron cryomicroscopy. <i>Journal of Molecular Biology</i> , 1998 , 284, 521-30	6.5	35
113	A method for 2D crystallization of soluble proteins at liquid-liquid interface. <i>Ultramicroscopy</i> , 1995 , 57, 345-54	3.1	35
112	The projection structure of the membrane protein microsomal glutathione transferase at 3 Å resolution as determined from two-dimensional hexagonal crystals. <i>Journal of Molecular Biology</i> , 1999 , 288, 243-53	6.5	32
111	Cryo-EM structure of gastric H ⁺ ,K ⁺ -ATPase with a single occupied cation-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18401-6	11.5	31
110	Projection structure of a N-terminal deletion mutant of connexin 26 channel with decreased central pore density. <i>Cell Communication and Adhesion</i> , 2008 , 15, 85-93		30
109	The fold of human aquaporin 1. <i>Journal of Molecular Biology</i> , 2000 , 300, 987-94	6.5	30
108	Crystal structure of a human plasma membrane phospholipid flippase. <i>Journal of Biological Chemistry</i> , 2020 , 295, 10180-10194	5.4	29
107	Characterization of human endothelin B receptor and mutant receptors expressed in insect cells. <i>FEBS Journal</i> , 1997 , 248, 139-48		29
106	Electron crystallography of proteins in membranes. <i>Current Opinion in Structural Biology</i> , 2008 , 18, 587-92	9.1	29

105	Crystal structure of the Homer 1 family conserved region reveals the interaction between the EVH1 domain and own proline-rich motif. <i>Journal of Molecular Biology</i> , 2002 , 318, 1117-26	6.5	29
104	Morphologic determinant of tight junctions revealed by claudin-3 structures. <i>Nature Communications</i> , 2019 , 10, 816	17.4	29
103	Cryogenic Transmission Electron Microscopic Studies of Micellar Structure Correlated with Solution Viscosity on Perfluorooctyl Sulfonates and Their Mixtures with a Nonionic Surfactant. <i>Langmuir</i> , 1995 , 11, 2361-2366	4	28
102	Hexadecameric structure of an invertebrate gap junction channel. <i>Journal of Molecular Biology</i> , 2016 , 428, 1227-1236	6.5	27
101	W276 mutation in the endothelin receptor subtype B impairs Gq coupling but not Gi or Go coupling. <i>Biochemistry</i> , 2000 , 39, 686-92	3.2	26
100	Functional signal peptide reduces bilayer thickness of phosphatidylcholine liposomes. <i>Biochemistry</i> , 1992 , 31, 8747-54	3.2	26
99	Claudin-21 Has a Paracellular Channel Role at Tight Junctions. <i>Molecular and Cellular Biology</i> , 2016 , 36, 954-64	4.8	24
98	Oligomeric structure and functional characterization of <i>Caenorhabditis elegans</i> Innexin-6 gap junction protein. <i>Journal of Biological Chemistry</i> , 2013 , 288, 10513-21	5.4	24
97	Structural and functional characterization of H ⁺ , K ⁺ -ATPase with bound fluorinated phosphate analogs. <i>Journal of Structural Biology</i> , 2010 , 170, 60-8	3.4	24
96	Neurosteroid pregnenolone sulfate enhances glutamatergic synaptic transmission by facilitating presynaptic calcium currents at the calyx of Held of immature rats. <i>European Journal of Neuroscience</i> , 2006 , 24, 1955-66	3.5	24
95	Transport Cycle of Plasma Membrane Flippase ATP11C by Cryo-EM. <i>Cell Reports</i> , 2020 , 32, 108208	10.6	24
94	Water channel structures analysed by electron crystallography. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 1605-13	4	23
93	Sendai virus F glycoprotein induces IL-6 production in dendritic cells in a fusion-independent manner. <i>FEBS Letters</i> , 2008 , 582, 1325-9	3.8	23
92	Proteomic analysis revealed a novel synaptic proline-rich membrane protein (PRR7) associated with PSD-95 and NMDA receptor. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 327, 183-91	3.4	23
91	Direct imaging of a double-strand DNA molecule. <i>Ultramicroscopy</i> , 1981 , 7, 189-92	3.1	23
90	Crystal structures of claudins: insights into their intermolecular interactions. <i>Annals of the New York Academy of Sciences</i> , 2017 , 1397, 25-34	6.5	22
89	Integumental reddish-violet coloration owing to novel dichromatic chromatophores in the teleost fish, <i>Pseudochromis diadema</i> . <i>Pigment Cell and Melanoma Research</i> , 2011 , 24, 614-7	4.5	22
88	The C-terminal helical bundle of the tetrameric prokaryotic sodium channel accelerates the inactivation rate. <i>Nature Communications</i> , 2012 , 3, 793	17.4	22

87	Unusual thermal disassembly of the SPFH domain oligomer from <i>Pyrococcus horikoshii</i> . <i>Biophysical Journal</i> , 2009 , 97, 2034-43	2.9	21
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82	Influence of the cytoplasmic domains of aquaporin-4 on water conduction and array formation. <i>Journal of Molecular Biology</i> , 2010 , 402, 669-81	6.5	17
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79	Cryo-EM structures of undocked innexin-6 hemichannels in phospholipids. <i>Science Advances</i> , 2020 , 6, eaax3157	14.3	16
78	Novel dichromatic chromatophores in the integument of the mandarin fish <i>Synchiropus splendidus</i> . <i>Biological Bulletin</i> , 2013 , 224, 14-7	1.5	16
77	Electron crystallography for structural and functional studies of membrane proteins. <i>Microscopy (Oxford, England)</i> , 2011 , 60 Suppl 1, S149-59	1.3	16
76	Examination of the LeafScan 45, a line-illuminating micro-densitometer, for its use in electron crystallography. <i>Ultramicroscopy</i> , 1997 , 68, 109-121	3.1	16
75	Simulation of charge effects on density maps obtained by high-resolution electron crystallography. <i>Journal of Electron Microscopy</i> , 2007 , 56, 131-40		16
74	High Resolution Structure of Bacteriorhodopsin Determined by Electron Crystallography. <i>Photochemistry and Photobiology</i> , 1997 , 66, 764-767	3.6	14
73	Image deconvolution of a single high-resolution electron micrograph. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 1990 , 46, 459-463		14
72	Arrangement and mobility of the voltage sensor domain in prokaryotic voltage-gated sodium channels. <i>Journal of Biological Chemistry</i> , 2011 , 286, 7409-17	5.4	13
71	A pH induced two-dimensional crystal of membrane-bound Na ⁺ ,K ⁺ -ATPase of dog kidney. <i>FEBS Letters</i> , 1993 , 320, 17-22	3.8	13
70	Triple N-glycosylation in the long S5-P loop regulates the activation and trafficking of the Kv12.2 potassium channel. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33139-50	5.4	12

69	Structural analysis of 2D crystals of gastric H ⁺ ,K ⁺ -ATPase in different states of the transport cycle. <i>Journal of Structural Biology</i> , 2008 , 162, 219-28	3.4	12
68	Visualization of two distinct states of disassembly in the bacterial V-ATPase from <i>Thermus thermophilus</i> . <i>Microscopy (Oxford, England)</i> , 2013 , 62, 467-74	1.3	11
67	Carbon sandwich preparation preserves quality of two-dimensional crystals for cryo-electron microscopy. <i>Microscopy (Oxford, England)</i> , 2013 , 62, 597-606	1.3	11
66	Two-dimensional crystallization and analysis of projection images of intact <i>Thermus thermophilus</i> V-ATPase. <i>Journal of Structural Biology</i> , 2006 , 153, 200-6	3.4	11
65	Cross-linking study on skeletal muscle actin: properties of suberimidate-treated actin. <i>Journal of Biochemistry</i> , 1982 , 91, 1999-2012	3.1	11
64	A single K-binding site in the crystal structure of the gastric proton pump. <i>ELife</i> , 2019 , 8,	8.9	11
63	A native prokaryotic voltage-dependent calcium channel with a novel selectivity filter sequence. <i>ELife</i> , 2020 , 9,	8.9	11
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61	Two-dimensional crystal structure of aquaporin-4 bound to the inhibitor acetazolamide. <i>Microscopy (Oxford, England)</i> , 2016 , 65, 177-84	1.3	10
60	Two-dimensional kinetics of inter-connexin interactions from single-molecule force spectroscopy. <i>Journal of Molecular Biology</i> , 2011 , 412, 72-9	6.5	10
59	Structural physiology based on electron crystallography. <i>Protein Science</i> , 2011 , 20, 806-17	6.3	10
58	Two-dimensional crystals of the Kdp-ATPase of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1996 , 396, 172-6	3.8	10
57	Ligand binding of PDZ domains has various roles in the synaptic clustering of SAP102 and PSD-95. <i>Neuroscience Letters</i> , 2013 , 533, 44-9	3.3	9
56	The cryo-EM structure of gastric H,K-ATPase with bound BYK99, a high-affinity member of K-competitive, imidazo[1,2-a]pyridine inhibitors. <i>Scientific Reports</i> , 2017 , 7, 6632	4.9	9
55	Electron tomographic analysis of gap junctions in lateral giant fibers of crayfish. <i>Journal of Structural Biology</i> , 2011 , 175, 49-61	3.4	9
54	Dark-field electron microscopy of Langmuir-Blodgett films of fatty acids and their barium salts. <i>Thin Solid Films</i> , 1993 , 223, 358-367	2.2	9
53	Thermostabilization of the Human Endothelin Type B Receptor. <i>Journal of Molecular Biology</i> , 2016 , 428, 2265-2274	6.5	9
52	Optimized expression and purification of NavAb provide the structural insight into the voltage dependence. <i>FEBS Letters</i> , 2018 , 592, 274-283	3.8	8

51	Systematic comparison of molecular conformations of H ⁺ ,K ⁺ -ATPase reveals an important contribution of the A-M2 linker for the luminal gating. <i>Journal of Biological Chemistry</i> , 2014 , 289, 30590-30601	5.4	8
50	Electron crystallography and aquaporins. <i>Methods in Enzymology</i> , 2010 , 483, 91-119	1.7	8
49	Pleomorphic configuration of the trimeric capsid proteins of Rice dwarf virus that allows formation of both the outer capsid and tubular crystals. <i>Journal of Molecular Biology</i> , 2008 , 383, 252-65	6.5	8
48	Direct Molecular Imaging Of Low Dimensional Solids By High Resolution Electron Microscopy. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 125, 103-112		8
47	Cryo-electron microscopy for structure analyses of membrane proteins in the lipid bilayer. <i>Current Opinion in Structural Biology</i> , 2016 , 39, 71-78	8.1	7
46	Low dose techniques and cryo-electron microscopy. <i>Methods in Molecular Biology</i> , 2013 , 955, 103-18	1.4	7
45	Calyculin A-induced neurite retraction is critically dependent on actomyosin activation but not on polymerization state of microtubules. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 1160-6	3.4	7
44	A method for observing cross-sectional views of biomembranes. <i>Ultramicroscopy</i> , 1992 , 45, 253-61	3.1	7
43	Electron microscopy of tRNA crystals. II. 4 Å resolution diffraction pattern and substantial stability to radiation damage. <i>Journal of Molecular Biology</i> , 1984 , 172, 347-54	6.5	7
42	An intracellular domain with a novel sequence regulates cell surface expression and synaptic clustering of leucine-rich repeat transmembrane proteins in hippocampal neurons. <i>Journal of Neurochemistry</i> , 2015 , 134, 618-28	6	6
41	Future directions of electron crystallography. <i>Methods in Molecular Biology</i> , 2013 , 955, 551-68	1.4	6
40	Visualization of the DNA thread packing within bacteriophage T4 heads. <i>Journal of Ultrastructure Research</i> , 1982 , 79, 235-40		6
39	Structures of human pannexin-1 in nanodiscs reveal gating mediated by dynamic movement of the N terminus and phospholipids.. <i>Science Signaling</i> , 2022 , 15, eabg6941	8.8	6
38	Expression and localization of an exogenous G protein-coupled receptor fused with the rhodopsin C-terminal sequence in the retinal rod cells of knockin mice. <i>Experimental Eye Research</i> , 2005 , 80, 859-69	3.7	5
37	Characterization and application of monoclonal antibodies against human endothelin B receptor expressed in insect cells. <i>Biotechnology Letters</i> , 2004 , 26, 293-9	3	5
36	Development of a deep learning-based method to identify "good" regions of a cryo-electron microscopy grid. <i>Biophysical Reviews</i> , 2020 , 12, 349-354	3.7	4
35	Evidence for lateral mobility of voltage sensors in prokaryotic voltage-gated sodium channels. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 341-6	3.4	4
34	A new technique to co-localise membrane proteins with Homer/ves1. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 756-65	3.4	4

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