

Murray Stewart

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11765637/murray-stewart-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

176
papers

10,472
citations

56
h-index

97
g-index

271
ext. papers

11,308
ext. citations

9.7
avg, IF

6.38
L-index

#	Paper	IF	Citations
176	MERS-CoV ORF4b employs an unusual binding mechanism to target IMPδ and block innate immunity.. <i>Nature Communications</i> , 2022 , 13, 1604	17.4	1
175	Structural basis for nuclear import selectivity of pioneer transcription factor SOX2. <i>Nature Communications</i> , 2021 , 12, 28	17.4	10
174	Distinct effects on mRNA export factor GANP underlie neurological disease phenotypes and alter gene expression depending on intron content. <i>Human Molecular Genetics</i> , 2020 , 29, 1426-1439	5.6	0
173	Dissecting the roles of Cse1 and Nup2 in classical NLS-cargo release in vivo. <i>Traffic</i> , 2020 , 21, 622-635	5.7	7
172	Polyadenylation and nuclear export of mRNAs. <i>Journal of Biological Chemistry</i> , 2019 , 294, 2977-2987	5.4	43
171	Structure and Function of the TREX-2 Complex. <i>Sub-Cellular Biochemistry</i> , 2019 , 93, 461-470	5.5	5
170	Structure-function relationships in the Nab2 polyadenosine-RNA binding Zn finger protein family. <i>Protein Science</i> , 2019 , 28, 513-523	6.3	7
169	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie</i> , 2017 , 129, 539-544	3.6	6
168	Structure of the Sac3 RNA-binding M-region in the Saccharomyces cerevisiae TREX-2 complex. <i>Nucleic Acids Research</i> , 2017 , 45, 5577-5585	20.1	5
167	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 524-529	16.4	35
166	Structural basis for the dimerization of Nab2 generated by RNA binding provides insight into its contribution to both poly(A) tail length determination and transcript compaction in Saccharomyces cerevisiae. <i>Nucleic Acids Research</i> , 2017 , 45, 1529-1538	20.1	16
165	Structural Biology and Regulation of Protein Import into the Nucleus. <i>Journal of Molecular Biology</i> , 2016 , 428, 2060-90	6.5	140
164	A physical model describing the interaction of nuclear transport receptors with FG nucleoporin domain assemblies. <i>ELife</i> , 2016 , 5,	8.9	46
163	Structural and calorimetric studies demonstrate that the hepatocyte nuclear factor 1α (HNF1α) transcription factor is imported into the nucleus via a monopartite NLS sequence. <i>Journal of Structural Biology</i> , 2016 , 195, 273-281	3.4	4
162	The Sac3 TPR-like region in the Saccharomyces cerevisiae TREX-2 complex is more extensive but independent of the CID region. <i>Journal of Structural Biology</i> , 2016 , 195, 316-324	3.4	2
161	Selective Targeting of the TPX2 Site of Importin-β Using Fragment-Based Ligand Design. <i>ChemMedChem</i> , 2015 , 10, 1232-9	3.7	10
160	Structural characterization of the principal mRNA-export factor Mex67-Mtr2 from Chaetomium thermophilum. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015 , 71, 876-88	1.1	5

159	Domain organization within the nuclear export factor Mex67:Mtr2 generates an extended mRNA binding surface. <i>Nucleic Acids Research</i> , 2015 , 43, 1927-36	20.1	16
158	The principal mRNA nuclear export factor NXF1:NXT1 forms a symmetric binding platform that facilitates export of retroviral CTE-RNA. <i>Nucleic Acids Research</i> , 2015 , 43, 1883-93	20.1	33
157	Structural Characterization of the Chaetomium thermophilum TREX-2 Complex and its Interaction with the mRNA Nuclear Export Factor Mex67:Mtr2. <i>Structure</i> , 2015 , 23, 1246-57	5.2	18
156	Promiscuous binding of Karyopherin β modulates FG nucleoporin barrier function and expedites NTF2 transport kinetics. <i>Biophysical Journal</i> , 2015 , 108, 918-927	2.9	46
155	1.25 Å resolution structure of an RNA 20-mer that binds to the TREX2 complex. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015 , 71, 1318-21	1.1	4
154	Structural basis for Pan3 binding to Pan2 and its function in mRNA recruitment and deadenylation. <i>EMBO Journal</i> , 2014 , 33, 1514-26	13	38
153	Structural basis for the molecular recognition of polyadenosine RNA by Nab2 Zn fingers. <i>Nucleic Acids Research</i> , 2014 , 42, 672-80	20.1	15
152	Selective nuclear export of specific classes of mRNA from mammalian nuclei is promoted by GANP. <i>Nucleic Acids Research</i> , 2014 , 42, 5059-71	20.1	50
151	Structural basis for binding the TREX2 complex to nuclear pores, GAL1 localisation and mRNA export. <i>Nucleic Acids Research</i> , 2014 , 42, 6686-97	20.1	51
150	Ran in Nucleocytoplasmic Transport 2014 , 109-124		1
149	Choreography of importin- β /CAS complex assembly and disassembly at nuclear pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1584-93	11.5	22
148	Structural basis for polyadenosine-RNA binding by Nab2 Zn fingers and its function in mRNA nuclear export. <i>Structure</i> , 2012 , 20, 1007-18	5.2	30
147	Structural basis for the assembly and disassembly of mRNA nuclear export complexes. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2012 , 1819, 578-92	6	28
146	Functional and structural characterization of the mammalian TREX-2 complex that links transcription with nuclear messenger RNA export. <i>Nucleic Acids Research</i> , 2012 , 40, 4562-73	20.1	91
145	Structural biology of the PCI-protein fold. <i>Bioarchitecture</i> , 2012 , 2, 118-23		29
144	Role of major sperm protein (MSP) in the protrusion and retraction of Ascaris sperm. <i>International Review of Cell and Molecular Biology</i> , 2012 , 297, 265-93	6	19
143	Structural basis for the assembly and nucleic acid binding of the TREX-2 transcription-export complex. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 328-36	17.6	69
142	Reconstitution of amoeboid motility in vitro identifies a motor-independent mechanism for cell body retraction. <i>Current Biology</i> , 2011 , 21, 1727-31	6.3	12

141	Electrostatic interactions involving the extreme C terminus of nuclear export factor CRM1 modulate its affinity for cargo. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29325-29335	5.4	24
140	Novel binding of the mitotic regulator TPX2 (target protein for Xenopus kinesin-like protein 2) to importin-alpha. <i>Journal of Biological Chemistry</i> , 2010 , 285, 17628-35	5.4	68
139	Structural basis for the function of the <i>Saccharomyces cerevisiae</i> Gfd1 protein in mRNA nuclear export. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20704-15	5.4	12
138	Structural basis for the interaction between yeast Spt-Ada-Gcn5 acetyltransferase (SAGA) complex components Sgf11 and Sus1. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3850-3856	5.4	28
137	Simulation of cell motility that reproduces the force-velocity relationship. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9141-6	11.5	56
136	GANP enhances the efficiency of mRNA nuclear export in mammalian cells. <i>Nucleus</i> , 2010 , 1, 393-6	3.9	21
135	Quantitative structural analysis of importin- β flexibility: paradigm for solenoid protein structures. <i>Structure</i> , 2010 , 18, 1171-83	5.2	72
134	Nuclear export of mRNA. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 609-17	10.3	101
133	mRNA export from mammalian cell nuclei is dependent on GANP. <i>Current Biology</i> , 2010 , 20, 25-31	6.3	95
132	Mutational uncoupling of the role of Sus1 in nuclear pore complex targeting of an mRNA export complex and histone H2B deubiquitination. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12049-56	5.4	20
131	Structural requirements for the ubiquitin-associated domain of the mRNA export factor Mex67 to bind its specific targets, the transcription elongation THO complex component Hpr1 and nucleoporin FXFG repeats. <i>Journal of Biological Chemistry</i> , 2009 , 284, 17575-83	5.4	21
130	Dephosphorylation of major sperm protein (MSP) fiber protein 3 by protein phosphatase 2A during cell body retraction in the MSP-based amoeboid motility of <i>Ascaris</i> sperm. <i>Molecular Biology of the Cell</i> , 2009 , 20, 3200-8	3.5	21
129	Sus1, Cdc31, and the Sac3 CID region form a conserved interaction platform that promotes nuclear pore association and mRNA export. <i>Molecular Cell</i> , 2009 , 33, 727-37	17.6	113
128	Cell biology. Nuclear export of small RNAs. <i>Science</i> , 2009 , 326, 1195-6	33.3	12
127	Structure of the N-terminal Mlp1-binding domain of the <i>Saccharomyces cerevisiae</i> mRNA-binding protein, Nab2. <i>Journal of Molecular Biology</i> , 2008 , 376, 1048-59	6.5	38
126	Kap95p binding induces the switch loops of RanGDP to adopt the GTP-bound conformation: implications for nuclear import complex assembly dynamics. <i>Journal of Molecular Biology</i> , 2008 , 383, 772-82	6.5	27
125	Structural basis for the nuclear import of the human androgen receptor. <i>Journal of Cell Science</i> , 2008 , 121, 957-68	5.3	164
124	Functional significance of the interaction between the mRNA-binding protein, Nab2, and the nuclear pore-associated protein, Mlp1, in mRNA export. <i>Journal of Biological Chemistry</i> , 2008 , 283, 27130-43	5.4	61

123	The role of filament-packing dynamics in powering amoeboid cell motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5390-5	11.5	16
122	Structural basis for tropomyosin overlap in thin (actin) filaments and the generation of a molecular swivel by troponin-T. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7200-5	11.5	70
121	Quality control of mRNA export: An evolutionarily conserved zinc finger protein mediates preferential export of properly processed mRNA to the cytoplasm. <i>FASEB Journal</i> , 2008 , 22, 992.1	0.9	
120	Molecular mechanism of the nuclear protein import cycle. <i>Nature Reviews Molecular Cell Biology</i> , 2007 , 8, 195-208	48.7	642
119	A Ser/Thr kinase required for membrane-associated assembly of the major sperm protein motility apparatus in the amoeboid sperm of <i>Ascaris</i> . <i>Molecular Biology of the Cell</i> , 2007 , 18, 1816-25	3.5	22
118	Coordination of Hpr1 and ubiquitin binding by the UBA domain of the mRNA export factor Mex67. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2561-8	3.5	25
117	Ratcheting mRNA out of the nucleus. <i>Molecular Cell</i> , 2007 , 25, 327-30	17.6	107
116	Classical nuclear localization signals: definition, function, and interaction with importin alpha. <i>Journal of Biological Chemistry</i> , 2007 , 282, 5101-5	5.4	824
115	Karyopherin flexibility in nucleocytoplasmic transport. <i>Current Opinion in Structural Biology</i> , 2006 , 16, 237-44	8.1	169
114	Structure of MFP2 and its function in enhancing MSP polymerization in <i>Ascaris</i> sperm amoeboid motility. <i>Journal of Molecular Biology</i> , 2005 , 347, 583-95	6.5	19
113	Structural basis for the high-affinity binding of nucleoporin Nup1p to the <i>Saccharomyces cerevisiae</i> importin-beta homologue, Kap95p. <i>Journal of Molecular Biology</i> , 2005 , 349, 515-25	6.5	102
112	Nup50/Npap60 function in nuclear protein import complex disassembly and importin recycling. <i>EMBO Journal</i> , 2005 , 24, 3681-9	13	118
111	Structural basis for nuclear import complex dissociation by RanGTP. <i>Nature</i> , 2005 , 435, 693-6	50.4	164
110	Structural basis for vertebrate filamin dimerization. <i>Structure</i> , 2005 , 13, 111-9	5.2	78
109	Cytoskeleton dynamics powers nematode sperm motility. <i>Advances in Protein Chemistry</i> , 2005 , 71, 383-99		10
108	Structural basis for the assembly of a nuclear export complex. <i>Nature</i> , 2004 , 432, 872-7	50.4	158
107	Retraction in amoeboid cell motility powered by cytoskeletal dynamics. <i>Science</i> , 2003 , 302, 1405-7	33.3	53
106	Structural basis for Nup2p function in cargo release and karyopherin recycling in nuclear import. <i>EMBO Journal</i> , 2003 , 22, 5358-69	13	81

105	Solution NMR study of the interaction between NTF2 and nucleoporin FxFG repeats. <i>Journal of Molecular Biology</i> , 2003 , 333, 587-603	6.5	52
104	Structural basis for the interaction between the Tap/NXF1 UBA domain and FG nucleoporins at 1A resolution. <i>Journal of Molecular Biology</i> , 2003 , 326, 849-58	6.5	54
103	Structural biology. Nuclear trafficking. <i>Science</i> , 2003 , 302, 1513-4	33.3	28
102	Dissection of the <i>Ascaris</i> sperm motility machinery identifies key proteins involved in major sperm protein-based amoeboid locomotion. <i>Molecular Biology of the Cell</i> , 2003 , 14, 5082-8	3.5	42
101	A 48 kDa integral membrane phosphoprotein orchestrates the cytoskeletal dynamics that generate amoeboid cell motility in <i>Ascaris</i> sperm. <i>Journal of Cell Science</i> , 2003 , 116, 2655-63	5.3	37
100	Structure of the C-terminal FG-nucleoporin binding domain of Tap/NXF1. <i>Nature Structural Biology</i> , 2002 , 9, 247-51		58
99	Structural basis for the interaction between NTF2 and nucleoporin FxFG repeats. <i>EMBO Journal</i> , 2002 , 21, 2843-53	13	121
98	GLFG and FxFG nucleoporins bind to overlapping sites on importin-beta. <i>Journal of Biological Chemistry</i> , 2002 , 277, 50597-606	5.4	173
97	2.6 Å resolution crystal structure of helices of the motile major sperm protein (MSP) of <i>Caenorhabditis elegans</i> . <i>Journal of Molecular Biology</i> , 2002 , 319, 491-9	6.5	23
96	The molecular mechanism of translocation through the nuclear pore complex is highly conserved. <i>Journal of Cell Science</i> , 2002 , 115, 2997-3005	5.3	20
95	How nematode sperm crawl. <i>Journal of Cell Science</i> , 2002 , 115, 367-384	5.3	159
94	Coils and Supercoils in Proteins. <i>Solid Mechanics and Its Applications</i> , 2002 , 499-511	0.4	
93	Molecular machinery of nuclear trafficking. <i>Journal of Cell Science</i> , 2002 , 115, 2001-2002	5.3	1
92	How nematode sperm crawl. <i>Journal of Cell Science</i> , 2002 , 115, 367-84	5.3	137
91	The molecular mechanism of translocation through the nuclear pore complex is highly conserved. <i>Journal of Cell Science</i> , 2002 , 115, 2997-3005	5.3	18
90	How the assembly dynamics of the nematode major sperm protein generate amoeboid cell motility. <i>International Review of Cytology</i> , 2001 , 202, 1-34		29
89	Functional analysis of the hydrophobic patch on nuclear transport factor 2 involved in interactions with the nuclear pore in vivo. <i>Journal of Biological Chemistry</i> , 2001 , 276, 38820-9	5.4	24
88	Interaction between Ran and Mog1 is required for efficient nuclear protein import. <i>Journal of Biological Chemistry</i> , 2001 , 276, 41255-62	5.4	23

87	NTF2 monomer-dimer equilibrium. <i>Journal of Molecular Biology</i> , 2001 , 314, 465-77	6.5	27
86	Molecular mechanism of translocation through nuclear pore complexes during nuclear protein import. <i>FEBS Letters</i> , 2001 , 498, 145-9	3.8	92
85	Crystallization and preliminary X-ray diffraction analysis of the <i>Saccharomyces cerevisiae</i> Ran-binding protein Mog1p. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000 , 56, 229-31		5
84	The molecular mechanism of transport of macromolecules through nuclear pore complexes. <i>Traffic</i> , 2000 , 1, 448-56	5.7	61
83	Insights into the molecular mechanism of nuclear trafficking using nuclear transport factor 2 (NTF2). <i>Cell Structure and Function</i> , 2000 , 25, 217-25	2.2	35
82	Acting like actin. The dynamics of the nematode major sperm protein (msp) cytoskeleton indicate a push-pull mechanism for amoeboid cell motility. <i>Journal of Cell Biology</i> , 2000 , 149, 7-12	7.3	89
81	Dissecting the interactions between NTF2, RanGDP, and the nucleoporin XFXFG repeats. <i>Journal of Biological Chemistry</i> , 2000 , 275, 5874-9	5.4	58
80	Structural basis for the higher Ca(2+)-activation of the regulated actin-activated myosin ATPase observed with <i>Dictyostelium/Tetrahymena</i> actin chimeras. <i>Journal of Molecular Biology</i> , 2000 , 296, 579-95	6.5	32
79	1.9 Å resolution crystal structure of the <i>Saccharomyces cerevisiae</i> Ran-binding protein Mog1p. <i>Journal of Molecular Biology</i> , 2000 , 299, 213-23	6.5	29
78	Crystallization and initial X-ray diffraction characterization of complexes of FxFG nucleoporin repeats with nuclear transport factors. <i>Journal of Structural Biology</i> , 2000 , 131, 240-7	3.4	30
77	Structural basis for the interaction between FxFG nucleoporin repeats and importin-beta in nuclear trafficking. <i>Cell</i> , 2000 , 102, 99-108	56.2	376
76	Localized depolymerization of the major sperm protein cytoskeleton correlates with the forward movement of the cell body in the amoeboid movement of nematode sperm. <i>Journal of Cell Biology</i> , 1999 , 146, 1087-96	7.3	45
75	Structural basis for dimerization of the <i>Dictyostelium</i> gelation factor (ABP120) rod. <i>Nature Structural Biology</i> , 1999 , 6, 836-41		49
74	Pictures in cell biology. Structures of nuclear-transport components. <i>Trends in Cell Biology</i> , 1999 , 9, 310-18.3		13
73	Engineered mutants in the switch II loop of Ran define the contribution made by key residues to the interaction with nuclear transport factor 2 (NTF2) and the role of this interaction in nuclear protein import. <i>Journal of Molecular Biology</i> , 1999 , 289, 565-77	6.5	17
72	Molecular architecture of the rod domain of the <i>Dictyostelium</i> gelation factor (ABP120). <i>Journal of Molecular Biology</i> , 1999 , 291, 1017-23	6.5	29
71	Interaction between NTF2 and xFXFG-containing nucleoporins is required to mediate nuclear import of RanGDP. <i>Journal of Molecular Biology</i> , 1999 , 293, 579-93	6.5	149
70	Structural basis for amoeboid motility in nematode sperm. <i>Nature Structural Biology</i> , 1998 , 5, 184-9		26

69	Structural basis for molecular recognition between nuclear transport factor 2 (NTF2) and the GDP-bound form of the Ras-family GTPase Ran. <i>Journal of Molecular Biology</i> , 1998 , 277, 635-46	6.5	140
68	The structure of the Q69L mutant of GDP-Ran shows a major conformational change in the switch II loop that accounts for its failure to bind nuclear transport factor 2 (NTF2). <i>Journal of Molecular Biology</i> , 1998 , 284, 1517-27	6.5	62
67	Solution structure of the motile major sperm protein (MSP) of <i>Ascaris suum</i> - evidence for two manganese binding sites and the possible role of divalent cations in filament formation. <i>Journal of Molecular Biology</i> , 1998 , 284, 1611-24	6.5	11
66	Location of the binding site of the mannose-specific lectin comitin on F-actin. <i>Journal of Molecular Biology</i> , 1998 , 284, 1255-63	6.5	11
65	Hydrostatic pressure shows that lamellipodial motility in <i>Ascaris</i> sperm requires membrane-associated major sperm protein filament nucleation and elongation. <i>Journal of Cell Biology</i> , 1998 , 140, 367-75	7.3	28
64	Molecular interactions between the importin alpha/beta heterodimer and proteins involved in vertebrate nuclear protein import. <i>Journal of Molecular Biology</i> , 1997 , 266, 722-32	6.5	61
63	Nuclear protein import is decreased by engineered mutants of nuclear transport factor 2 (NTF2) that do not bind GDP-Ran. <i>Journal of Molecular Biology</i> , 1997 , 272, 716-30	6.5	67
62	Crystallization and preliminary X-Ray diffraction characterization of a dimerizing fragment of the rod domain of the Dictyostelium gelation factor (ABP-120). <i>Journal of Structural Biology</i> , 1997 , 120, 192-34	3.4	5
61	The motile major sperm protein (MSP) from <i>Ascaris suum</i> is a symmetric dimer in solution. <i>Journal of Molecular Biology</i> , 1996 , 260, 251-60	6.5	25
60	The 1.6 angstroms resolution crystal structure of nuclear transport factor 2 (NTF2). <i>Journal of Molecular Biology</i> , 1996 , 260, 422-31	6.5	124
59	2.5 A resolution crystal structure of the motile major sperm protein (MSP) of <i>Ascaris suum</i> . <i>Journal of Molecular Biology</i> , 1996 , 263, 284-96	6.5	58
58	Separate binding sites on nuclear transport factor 2 (NTF2) for GDP-Ran and the phenylalanine-rich repeat regions of nucleoporins p62 and Nsp1p. <i>Journal of Molecular Biology</i> , 1996 , 263, 517-24	6.5	111
57	Crystallization and preliminary X-ray diffraction analysis of nuclear transport factor 2. <i>Journal of Structural Biology</i> , 1996 , 116, 326-9	3.4	22
56	New crystal forms of the motile major sperm protein (MSP) of <i>Ascaris suum</i> . <i>Journal of Structural Biology</i> , 1996 , 116, 432-7	3.4	12
55	Reconstitution in vitro of the motile apparatus from the amoeboid sperm of <i>Ascaris</i> shows that filament assembly and bundling move membranes. <i>Cell</i> , 1996 , 84, 105-14	56.2	100
54	Nuclear pores and macromolecular assemblies involved in nucleocytoplasmic transport. <i>Current Opinion in Structural Biology</i> , 1996 , 6, 162-5	8.1	12
53	Nematode sperm locomotion. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 13-7	9	37
52	The motile major sperm protein (MSP) of <i>Ascaris suum</i> forms filaments constructed from two helical subfilaments. <i>Journal of Molecular Biology</i> , 1994 , 243, 60-71	6.5	21

51	Crystallization of the motile major sperm protein (MSP) of the nematode <i>Ascaris suum</i> . <i>Journal of Molecular Biology</i> , 1993 , 232, 298-300	6.5	10
50	Intermediate filament structure and assembly. <i>Current Opinion in Cell Biology</i> , 1993 , 5, 3-11	9	118
49	Molecular interactions in myosin assembly. Role of the 28-residue charge repeat in the rod. <i>Journal of Molecular Biology</i> , 1992 , 226, 7-13	6.5	47
48	Structure of tropomyosin at 9 angstroms resolution. <i>Journal of Molecular Biology</i> , 1992 , 227, 441-52	6.5	67
47	Nuclear pore structure and function. <i>Seminars in Cell Biology</i> , 1992 , 3, 267-77		20
46	Molecular interactions in intermediate filaments. <i>BioEssays</i> , 1991 , 13, 597-600	4.1	14
45	Molecular basis of myosin assembly: coiled-coil interactions and the role of charge periodicities. <i>Journal of Cell Science</i> , 1991 , 14, 7-10	5.3	24
44	Nuclear envelope dynamics and nucleocytoplasmic transport. <i>Journal of Cell Science</i> , 1991 , 14, 79-82	5.3	6
43	Intermediate filaments: structure, assembly and molecular interactions. <i>Current Opinion in Cell Biology</i> , 1990 , 2, 91-100	9	83
42	Association of gold-labelled nucleoplasmin with the centres of ring components of <i>Xenopus</i> oocyte nuclear pore complexes. <i>Journal of Molecular Biology</i> , 1990 , 213, 575-82	6.5	25
41	Structural predictions for the central domain of dystrophin. <i>FEBS Letters</i> , 1990 , 262, 87-92	3.8	51
40	Expression and characterization of human lamin C. <i>FEBS Letters</i> , 1990 , 268, 301-5	3.8	21
39	Resolution A Biological Perspective 1990 , 255-266		
38	Electron Microscopy of Biological Macromolecules 1990 , 9-39		3
37	Transmission electron microscopy of frozen hydrated biological material. <i>Electron Microscopy Reviews</i> , 1989 , 2, 117-21		6
36	The Role of Repeating Sequence Motifs in Interactions Between α -Helical Coiled-Coils such as Myosin, Tropomyosin and Intermediate-Filament Proteins. <i>Springer Series in Biophysics</i> , 1989 , 150-159		1
35	Introduction to the computer image processing of electron micrographs of two-dimensionally ordered biological structures. <i>Journal of Electron Microscopy Technique</i> , 1988 , 9, 301-24		33
34	Computer image processing of electron micrographs of biological structures with helical symmetry. <i>Journal of Electron Microscopy Technique</i> , 1988 , 9, 325-58		69

33	Preparation of shadowed nuclear envelopes from <i>Xenopus</i> oocyte germinal vesicles for electron microscopy. <i>Journal of Microscopy</i> , 1988 , 151, 115-26	1.9	6
32	The structure and interactions of components of nuclear envelopes from <i>Xenopus</i> oocyte germinal vesicles observed by heavy metal shadowing. <i>Journal of Cell Science</i> , 1988 , 90, 409-423	5.3	35
31	A new crystal form of tropomyosin. Preliminary X-ray diffraction analysis. <i>Journal of Molecular Biology</i> , 1987 , 195, 219-23	6.5	9
30	Electron microscopy of frozen-hydrated biological material. <i>Nature</i> , 1986 , 319, 631-6	50.4	97
29	Arrangement of myosin heads in relaxed thick filaments from frog skeletal muscle. <i>Journal of Molecular Biology</i> , 1986 , 192, 831-51	6.5	84
28	Computer Analysis of Ordered Microbiological Objects 1986 , 333-364		5
27	Cryo-electron microscopy of tropomyosin magnesium paracrystals. <i>Journal of Microscopy</i> , 1985 , 138, 53-60	1.9	9
26	Crystalline order to high resolution in the sheath of <i>Methanospirillum hungatei</i> : a cross-beta structure. <i>Journal of Molecular Biology</i> , 1985 , 183, 509-15	6.5	61
25	Length of myosin rod and its proteolytic fragments determined by electron microscopy. <i>FEBS Letters</i> , 1984 , 168, 75-8	3.8	23
24	Crystalline sheets of tropomyosin. <i>Journal of Molecular Biology</i> , 1984 , 174, 231-8	6.5	10
23	Nuclear magnetic resonance evidence for a flexible region at the C-terminus of alpha-tropomyosin. <i>Journal of Molecular Biology</i> , 1983 , 166, 219-25	6.5	15
22	Periodic charge distribution in the intermediate filament proteins desmin and vimentin. <i>Journal of Molecular Biology</i> , 1982 , 162, 693-8	6.5	75
21	Chain register in myosin rod. <i>FEBS Letters</i> , 1982 , 140, 210-2	3.8	16
20	¹ H NMR study of long and short myosin S2 fragments. <i>FEBS Letters</i> , 1982 , 146, 293-296	3.8	11
19	Structures of alpha-tropomyosin magnesium paracrystals. II. Stimulation of staining patterns from the sequence and some observations on the mechanism of positive staining. <i>Journal of Molecular Biology</i> , 1981 , 148, 411-25	6.5	31
18	The myosin filament. VII Changes in internal structure along the length of the filament. <i>Journal of Molecular Biology</i> , 1981 , 145, 421-40	6.5	20
17	The myosin filament. IX. Determination of subfilament positions by computer processing of electron micrographs. <i>Journal of Molecular Biology</i> , 1981 , 153, 381-92	6.5	28
16	Structure of <i>Limulus</i> telson muscle thick filaments. <i>Journal of Molecular Biology</i> , 1981 , 153, 781-90	6.5	74

15	Porcine platelet tropomyosin. Purification, characterization and paracrystal formation. <i>Journal of Molecular Biology</i> , 1981 , 153, 147-67	6.5	41
14	Structure of the regular surface layer of <i>Spirillum putridiconchylum</i> . <i>Journal of Molecular Biology</i> , 1980 , 137, 1-8	6.5	42
13	Electron microscopic location of protein thiol residues. <i>Nature</i> , 1978 , 274, 184-6	50.4	28
12	Constant and variable regions in glycoprotein hormone beta subunit sequences: implications for receptor binding specificity. <i>Journal of Molecular Biology</i> , 1977 , 116, 175-9	6.5	40
11	Structure of magnesium paracrystals of alpha-tropomyosin. <i>Journal of Molecular Biology</i> , 1976 , 103, 251-69	6.5	61
10	The 14-fold periodicity in alpha-tropomyosin and the interaction with actin. <i>Journal of Molecular Biology</i> , 1976 , 103, 271-98	6.5	361
9	The troponin binding region of tropomyosin. Evidence for a site near residues 197 to 127. <i>Journal of Molecular Biology</i> , 1976 , 106, 1017-22	6.5	67
8	Muscle structure and function--an explanation. <i>Equine Veterinary Journal</i> , 1976 , 8, 17-9	2.4	3
7	Cross-bridge movement during muscle contraction. <i>Nature</i> , 1976 , 261, 606-8	50.4	40
6	Fourteen actin-binding sites on tropomyosin?. <i>Nature</i> , 1975 , 257, 331-3	50.4	83
5	Sequence repeats in alpha-tropomyosin. <i>Journal of Molecular Biology</i> , 1975 , 98, 281-91	6.5	123
4	Tropomyosin coiled-coil interactions: evidence for an unstaggered structure. <i>Journal of Molecular Biology</i> , 1975 , 98, 293-304	6.5	653
3	Paramyosin: chemical evidence for chain heterogeneity. <i>FEBS Letters</i> , 1975 , 58, 16-8	3.8	4
2	Tropomyosin: evidence for no stagger between chains. <i>FEBS Letters</i> , 1975 , 53, 5-7	3.8	95
1	Organic stains for electron microscopy. <i>Journal of Microscopy</i> , 1973 , 97, 381-3	1.9	3