

Nobutaka Hirokawa

List of Publications by Year in Descending Order

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

162
papers

22,769
citations

76
h-index

150
g-index

167
ext. papers

25,154
ext. citations

17.4
avg, IF

6.9
L-index

#	Paper	IF	Citations
162	A neuropathy-associated kinesin KIF1A mutation hyper-stabilizes the motor-neck interaction during the ATPase cycle.. <i>EMBO Journal</i> , 2022 , e108899	13	2
161	Betaine ameliorates schizophrenic traits by functionally compensating for KIF3-based CRMP2 transport. <i>Cell Reports</i> , 2021 , 35, 108971	10.6	2
160	Further Reading Kinesin Superfamily Proteins 2021 , 535-546		
159	Quality of Schizophrenia-relevant Molecules: from Genetic and Environmental Factors to Proteins. <i>Bunseki Kagaku</i> , 2020 , 69, 531-537	0.2	
158	Kinesin, Fundamental Properties and Structure 2020 , 1-11		
157	Kinesin Kif3b mutation reduces NMDAR subunit NR2A trafficking and causes schizophrenia-like phenotypes in mice. <i>EMBO Journal</i> , 2020 , 39, e101090	13	18
156	An activity-dependent local transport regulation via degradation and synthesis of KIF17 underlying cognitive flexibility. <i>Science Advances</i> , 2020 , 6,	14.3	3
155	The Spatiotemporal Construction of the Axon Initial Segment via KIF3/KAP3/TRIM46 Transport under MARK2 Signaling. <i>Cell Reports</i> , 2019 , 28, 2413-2426.e7	10.6	11
154	Mitochondrial Damage Causes Inflammation via cGAS-STING Signaling in Acute Kidney Injury. <i>Cell Reports</i> , 2019 , 29, 1261-1273.e6	10.6	106
153	Excess hydrogen sulfide and polysulfides production underlies a schizophrenia pathophysiology. <i>EMBO Molecular Medicine</i> , 2019 , 11, e10695	12	25
152	Enhanced carbonyl stress induces irreversible multimerization of CRMP2 in schizophrenia pathogenesis. <i>Life Science Alliance</i> , 2019 , 2,	5.8	14
151	KIF1B mutations detected in hereditary neuropathy impair IGF1R transport and axon growth. <i>Journal of Cell Biology</i> , 2018 , 217, 3480-3496	7.3	18
150	Multiple analyses of protein dynamics in solution. <i>Biophysical Reviews</i> , 2018 , 10, 299-306	3.7	6
149	Kinesin-binding-triggered conformation switching of microtubules contributes to polarized transport. <i>Journal of Cell Biology</i> , 2018 , 217, 4164-4183	7.3	48
148	The Atypical Kinesin KIF26A Facilitates Termination of Nociceptive Responses by Sequestering Focal Adhesion Kinase. <i>Cell Reports</i> , 2018 , 24, 2894-2907	10.6	9
147	KIF2A regulates the development of dentate granule cells and postnatal hippocampal wiring. <i>ELife</i> , 2018 , 7,	8.9	15
146	The Molecular Motor KIF21B Mediates Synaptic Plasticity and Fear Extinction by Terminating Rac1 Activation. <i>Cell Reports</i> , 2018 , 23, 3864-3877	10.6	29

145	Components of RNA granules affect their localization and dynamics in neuronal dendrites. <i>Molecular Biology of the Cell</i> , 2017 , 28, 1412-1417	3.5	16
144	Structural basis for CRMP2-induced axonal microtubule formation. <i>Scientific Reports</i> , 2017 , 7, 10681	4.9	28
143	Mechanism of Catalytic Microtubule Depolymerization via KIF2-Tubulin Transitional Conformation. <i>Cell Reports</i> , 2017 , 20, 2626-2638	10.6	27
142	The Molecular Motor KIF1A Transports the TrkA Neurotrophin Receptor and Is Essential for Sensory Neuron Survival and Function. <i>Neuron</i> , 2016 , 90, 1215-1229	13.9	50
141	Motility and microtubule depolymerization mechanisms of the Kinesin-8 motor, KIF19A. <i>ELife</i> , 2016 , 5,	8.9	36
140	Autoinhibition of a Neuronal Kinesin UNC-104/KIF1A Regulates the Size and Density of Synapses. <i>Cell Reports</i> , 2016 , 16, 2129-2141	10.6	53
139	Kinesin superfamily proteins (KIFs): Various functions and their relevance for important phenomena in life and diseases. <i>Experimental Cell Research</i> , 2015 , 334, 16-25	4.2	139
138	Characterizing KIF16B in neurons reveals a novel intramolecular "stalk inhibition" mechanism that regulates its capacity to potentiate the selective somatodendritic localization of early endosomes. <i>Journal of Neuroscience</i> , 2015 , 35, 5067-86	6.6	22
137	X-ray and Cryo-EM structures reveal mutual conformational changes of Kinesin and GTP-state microtubules upon binding. <i>EMBO Journal</i> , 2015 , 34, 1270-86	13	61
136	Mechanism of Activity-Dependent Cargo Loading via the Phosphorylation of KIF3A by PKA and CaMKIIa. <i>Neuron</i> , 2015 , 87, 1022-35	13.9	26
135	Defects in Synaptic Plasticity, Reduced NMDA-Receptor Transport, and Instability of Postsynaptic Density Proteins in Mice Lacking Microtubule-Associated Protein 1A. <i>Journal of Neuroscience</i> , 2015 , 35, 15539-54	6.6	22
134	Microtubule Destabilizer KIF2A Undergoes Distinct Site-Specific Phosphorylation Cascades that Differentially Affect Neuronal Morphogenesis. <i>Cell Reports</i> , 2015 , 12, 1774-88	10.6	24
133	KIF13B enhances the endocytosis of LRP1 by recruiting LRP1 to caveolae. <i>Journal of Cell Biology</i> , 2014 , 204, 395-408	7.3	40
132	Antioxidant signaling involving the microtubule motor KIF12 is an intracellular target of nutrition excess in beta cells. <i>Developmental Cell</i> , 2014 , 31, 202-14	10.2	20
131	New simulated annealing approach considering helix bending applied to determine the 8.8Å structure of 15-protofilament microtubules. <i>Journal of Structural Biology</i> , 2014 , 188, 165-76	3.4	3
130	βTubulin mutations that cause severe neuropathies disrupt axonal transport. <i>EMBO Journal</i> , 2013 , 32, 1352-64	13	69
129	Axonal pruning is actively regulated by the microtubule-destabilizing protein kinesin superfamily protein 2A. <i>Cell Reports</i> , 2013 , 3, 971-7	10.6	32
128	Structural basis for the ATP-induced isomerization of kinesin. <i>Journal of Molecular Biology</i> , 2013 , 425, 1869-1880	6.5	30

127	A molecular motor, KIF13A, controls anxiety by transporting the serotonin type 1A receptor. <i>Cell Reports</i> , 2013 , 3, 509-19	10.6	25
126	Molecular motor KIF5A is essential for GABA(A) receptor transport, and KIF5A deletion causes epilepsy. <i>Neuron</i> , 2012 , 76, 945-61	13.9	99
125	Motor protein KIF1A is essential for hippocampal synaptogenesis and learning enhancement in an enriched environment. <i>Neuron</i> , 2012 , 73, 743-57	13.9	92
124	KIF19A is a microtubule-depolymerizing kinesin for ciliary length control. <i>Developmental Cell</i> , 2012 , 23, 1167-75	10.2	94
123	Conformational changes in tubulin in GMPCPP and GDP-taxol microtubules observed by cryoelectron microscopy. <i>Journal of Cell Biology</i> , 2012 , 198, 315-22	7.3	61
122	Cilia, KIF3 molecular motor and nodal flow. <i>Current Opinion in Cell Biology</i> , 2012 , 24, 31-9	9	50
121	Phosphatidylinositol 4-phosphate 5-kinase alpha (PIP2K) regulates neuronal microtubule depolymerase kinesin, KIF2A and suppresses elongation of axon branches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1725-30	11.5	33
120	Regulation of NMDA receptor transport: a KIF17-cargo binding/releasing underlies synaptic plasticity and memory in vivo. <i>Journal of Neuroscience</i> , 2012 , 32, 5486-99	6.6	40
119	KIF16B/Rab14 molecular motor complex is critical for early embryonic development by transporting FGF receptor. <i>Developmental Cell</i> , 2011 , 20, 60-71	10.2	81
118	Molecular motor KIF17 is fundamental for memory and learning via differential support of synaptic NR2A/2B levels. <i>Neuron</i> , 2011 , 70, 310-25	13.9	106
117	Preferential binding of a kinesin-1 motor to GTP-tubulin-rich microtubules underlies polarized vesicle transport. <i>Journal of Cell Biology</i> , 2011 , 194, 245-55	7.3	108
116	From electron microscopy to molecular cell biology, molecular genetics and structural biology: intracellular transport and kinesin superfamily proteins, KIFs: genes, structure, dynamics and functions. <i>Microscopy (Oxford, England)</i> , 2011 , 60 Suppl 1, S63-92	1.3	9
115	Kinesin-1/Hsc70-dependent mechanism of slow axonal transport and its relation to fast axonal transport. <i>EMBO Journal</i> , 2010 , 29, 843-54	13	40
114	Molecular motors in neurons: transport mechanisms and roles in brain function, development, and disease. <i>Neuron</i> , 2010 , 68, 610-38	13.9	770
113	Left-right determination: involvement of molecular motor KIF3, cilia, and nodal flow. <i>Cold Spring Harbor Perspectives in Biology</i> , 2009 , 1, a000802	10.2	77
112	Kinesin superfamily motor proteins and intracellular transport. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 682-96	48.7	1100
111	The mechanisms of kinesin motor motility: lessons from the monomeric motor KIF1A. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 877-84	48.7	96
110	KIF26A is an unconventional kinesin and regulates GDNF-Ret signaling in enteric neuronal development. <i>Cell</i> , 2009 , 139, 802-13	56.2	75

109	Fluid Dynamic Mechanism Responsible for Breaking the Left-Right Symmetry of the Human Body: The Nodal Flow. <i>Annual Review of Fluid Mechanics</i> , 2009 , 41, 53-72	22	31
108	Observation of nodal cilia movement and measurement of nodal flow. <i>Methods in Cell Biology</i> , 2009 , 91, 265-85	1.8	6
107	Structural model for strain-dependent microtubule activation of Mg-ADP release from kinesin. <i>Nature Structural and Molecular Biology</i> , 2008 , 15, 1067-75	17.6	76
106	Disruption of KIF17-Mint1 interaction by CaMKII-dependent phosphorylation: a molecular model of kinesin-cargo release. <i>Nature Cell Biology</i> , 2008 , 10, 19-29	23.4	147
105	KIF1Bbeta- and KIF1A-mediated axonal transport of presynaptic regulator Rab3 occurs in a GTP-dependent manner through DENN/MADD. <i>Nature Cell Biology</i> , 2008 , 10, 1269-79	23.4	134
104	Intracellular transport and kinesin superfamily proteins, KIFs: structure, function, and dynamics. <i>Physiological Reviews</i> , 2008 , 88, 1089-118	47.9	325
103	Three-dimensional structures of the flagellar dynein-microtubule complex by cryoelectron microscopy. <i>Journal of Cell Biology</i> , 2007 , 177, 243-52	7.3	55
102	Neuronal polarity and the kinesin superfamily proteins. <i>Sciences STKE: Signal Transduction Knowledge Environment</i> , 2007 , 2007, pe6		16
101	mRNA transport in dendrites: RNA granules, motors, and tracks. <i>Journal of Neuroscience</i> , 2006 , 26, 7139-47	4.7	145
100	KIF4 motor regulates activity-dependent neuronal survival by suppressing PARP-1 enzymatic activity. <i>Cell</i> , 2006 , 125, 371-83	56.2	95
99	Nodal flow and the generation of left-right asymmetry. <i>Cell</i> , 2006 , 125, 33-45	56.2	433
98	High-resolution cryo-EM maps show the nucleotide binding pocket of KIF1A in open and closed conformations. <i>EMBO Journal</i> , 2006 , 25, 4187-94	13	103
97	The functional cooperation of MAP1A heavy chain and light chain 2 in the binding of microtubules. <i>Experimental Cell Research</i> , 2005 , 308, 446-58	4.2	16
96	Mechanism of nodal flow: a conserved symmetry breaking event in left-right axis determination. <i>Cell</i> , 2005 , 121, 633-644	56.2	374
95	Nodal cilia dynamics and the specification of the left/right axis in early vertebrate embryo development. <i>Biophysical Journal</i> , 2005 , 89, 2199-209	2.9	54
94	Molecular motors and mechanisms of directional transport in neurons. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 201-14	13.5	666
93	The KIF3 motor transports N-cadherin and organizes the developing neuroepithelium. <i>Nature Cell Biology</i> , 2005 , 7, 474-82	23.4	138
92	FGF-induced vesicular release of Sonic hedgehog and retinoic acid in leftward nodal flow is critical for left-right determination. <i>Nature</i> , 2005 , 435, 172-7	50.4	422

91	Analysis of the kinesin superfamily: insights into structure and function. <i>Trends in Cell Biology</i> , 2005 , 15, 467-76	18.3	516
90	KIF1A alternately uses two loops to bind microtubules. <i>Science</i> , 2004 , 305, 678-83	33.3	150
89	Molecular motors in neuronal development, intracellular transport and diseases. <i>Current Opinion in Neurobiology</i> , 2004 , 14, 564-73	7.6	124
88	A standardized kinesin nomenclature. <i>Journal of Cell Biology</i> , 2004 , 167, 19-22	7.3	570
87	Kinesin transports RNA: isolation and characterization of an RNA-transporting granule. <i>Neuron</i> , 2004 , 43, 513-25	13.9	850
86	A common mechanism for microtubule destabilizers-M type kinesins stabilize curling of the protofilament using the class-specific neck and loops. <i>Cell</i> , 2004 , 116, 591-602	56.2	165
85	Kinesin superfamily proteins and their various functions and dynamics. <i>Experimental Cell Research</i> , 2004 , 301, 50-9	4.2	148
84	Kinesin Superfamily Proteins 2004 , 508-516		
83	Microtubules provide directional cues for polarized axonal transport through interaction with kinesin motor head. <i>Journal of Cell Biology</i> , 2003 , 162, 1045-55	7.3	255
82	KIF17 dynamics and regulation of NR2B trafficking in hippocampal neurons. <i>Journal of Neuroscience</i> , 2003 , 23, 131-40	6.6	181
81	Biochemical and molecular characterization of diseases linked to motor proteins. <i>Trends in Biochemical Sciences</i> , 2003 , 28, 558-65	10.3	61
80	Processivity of the single-headed kinesin KIF1A through biased binding to tubulin. <i>Nature</i> , 2003 , 424, 574-7	50.4	147
79	Kinesin superfamily protein 2A (KIF2A) functions in suppression of collateral branch extension. <i>Cell</i> , 2003 , 114, 229-39	56.2	233
78	Kinesin superfamily proteins (KIFs) in the mouse transcriptome. <i>Genome Research</i> , 2003 , 13, 1455-65	9.7	41
77	Cryo-EM and X-ray crystallographic studies on the monomeric kinesin motor KIF1A. <i>Microscopy and Microanalysis</i> , 2002 , 8, 210-211	0.5	
76	Mouse models of Charcot-Marie-Tooth disease. <i>Trends in Genetics</i> , 2002 , 18, S39-44	8.5	28
75	Glutamate-receptor-interacting protein GRIP1 directly steers kinesin to dendrites. <i>Nature</i> , 2002 , 417, 83-7	50.4	414
74	Molecular motor KIF1C is not essential for mouse survival and motor-dependent retrograde Golgi apparatus-to-endoplasmic reticulum transport. <i>Molecular and Cellular Biology</i> , 2002 , 22, 866-73	4.8	29

73	MAP2 is required for dendrite elongation, PKA anchoring in dendrites, and proper PKA signal transduction. <i>Journal of Cell Biology</i> , 2002 , 158, 541-9	7.3	255
72	CREM-dependent transcription in male germ cells controlled by a kinesin. <i>Science</i> , 2002 , 298, 2388-90	33.3	95
71	Role of KIFC3 motor protein in Golgi positioning and integration. <i>Journal of Cell Biology</i> , 2002 , 158, 293-303	30.3	70
70	Overexpression of motor protein KIF17 enhances spatial and working memory in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 14500-5	11.5	156
69	Switch-based mechanism of kinesin motors. <i>Nature</i> , 2001 , 411, 439-45	50.4	281
68	Synergistic effects of MAP2 and MAP1B knockout in neuronal migration, dendritic outgrowth, and microtubule organization. <i>Journal of Cell Biology</i> , 2001 , 155, 65-76	7.3	225
67	Charcot-Marie-Tooth disease type 2A caused by mutation in a microtubule motor KIF1Bbeta. <i>Cell</i> , 2001 , 105, 587-97	56.2	640
66	KIFC3, a microtubule minus end-directed motor for the apical transport of annexin XIIIb-associated Triton-insoluble membranes. <i>Journal of Cell Biology</i> , 2001 , 155, 77-88	7.3	134
65	Stirring up development with the heterotrimeric kinesin KIF3. <i>Traffic</i> , 2000 , 1, 29-34	5.7	73
64	Moving on to the cargo problem of microtubule-dependent motors in neurons. <i>Current Opinion in Neurobiology</i> , 2000 , 10, 566-73	7.6	54
63	Determination of Left-Right Asymmetry: Role of Cilia and KIF3 Motor Proteins. <i>Physiology</i> , 2000 , 15, 56	9.8	5
62	KIF5C, a novel neuronal kinesin enriched in motor neurons. <i>Journal of Neuroscience</i> , 2000 , 20, 6374-84	6.6	222
61	Defects in axonal elongation and neuronal migration in mice with disrupted tau and map1b genes. <i>Journal of Cell Biology</i> , 2000 , 150, 989-1000	7.3	338
60	Kinesin superfamily protein 3 (KIF3) motor transports fodrin-associating vesicles important for neurite building. <i>Journal of Cell Biology</i> , 2000 , 148, 1255-65	7.3	161
59	Oligomeric tubulin in large transporting complex is transported via kinesin in squid giant axons. <i>Cell</i> , 2000 , 103, 141-55	56.2	119
58	A novel motor, KIF13A, transports mannose-6-phosphate receptor to plasma membrane through direct interaction with AP-1 complex. <i>Cell</i> , 2000 , 103, 569-81	56.2	225
57	15 A resolution model of the monomeric kinesin motor, KIF1A. <i>Cell</i> , 2000 , 100, 241-52	56.2	143
56	Kinesin superfamily motor protein KIF17 and mLin-10 in NMDA receptor-containing vesicle transport. <i>Science</i> , 2000 , 288, 1796-802	33.3	598

55	Left-right asymmetry and kinesin superfamily protein KIF3A: new insights in determination of laterality and mesoderm induction by kif3A ^{-/-} mice analysis. <i>Journal of Cell Biology</i> , 1999 , 145, 825-36	7.3	388
54	Impairment of inhibitory synaptic transmission in mice lacking synapsin I. <i>Journal of Cell Biology</i> , 1999 , 145, 1039-48	7.3	68
53	A processive single-headed motor: kinesin superfamily protein KIF1A. <i>Science</i> , 1999 , 283, 1152-7	33.3	358
52	Abnormal nodal flow precedes situs inversus in iv and inv mice. <i>Molecular Cell</i> , 1999 , 4, 459-68	17.6	369
51	Kinesin and dynein superfamily proteins in organelle transport and cell division. <i>Current Opinion in Cell Biology</i> , 1998 , 10, 60-73	9	283
50	Targeted disruption of mouse conventional kinesin heavy chain, kif5B, results in abnormal perinuclear clustering of mitochondria. <i>Cell</i> , 1998 , 93, 1147-58	56.2	524
49	Randomization of left-right asymmetry due to loss of nodal cilia generating leftward flow of extraembryonic fluid in mice lacking KIF3B motor protein. <i>Cell</i> , 1998 , 95, 829-37	56.2	1284
48	Defect in synaptic vesicle precursor transport and neuronal cell death in KIF1A motor protein-deficient mice. <i>Journal of Cell Biology</i> , 1998 , 141, 431-41	7.3	231
47	Visualization of the dynamics of synaptic vesicle and plasma membrane proteins in living axons. <i>Journal of Cell Biology</i> , 1998 , 140, 659-74	7.3	271
46	Delayed development of nervous system in mice homozygous for disrupted microtubule-associated protein 1B (MAP1B) gene. <i>Journal of Cell Biology</i> , 1997 , 137, 1615-26	7.3	109
45	The mechanisms of fast and slow transport in neurons: identification and characterization of the new kinesin superfamily motors. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 605-14	7.6	64
44	KIFC2 is a novel neuron-specific C-terminal type kinesin superfamily motor for dendritic transport of multivesicular body-like organelles. <i>Neuron</i> , 1997 , 18, 425-38	13.9	141
43	Slow axonal transport: the subunit transport model. <i>Trends in Cell Biology</i> , 1997 , 7, 384-8	18.3	102
42	Interpreting a medium-resolution model of tubulin: comparison of zinc-sheet and microtubule structure. <i>Journal of Molecular Biology</i> , 1996 , 262, 485-501	6.5	19
41	Organelle transport along microtubules - the role of KIFs. <i>Trends in Cell Biology</i> , 1996 , 6, 135-41	18.3	125
40	Microtubule-associated proteins regulate microtubule function as the track for intracellular membrane organelle transports. <i>Cell Structure and Function</i> , 1996 , 21, 283-95	2.2	69
39	Three-dimensional structure of the kinesin head-microtubule complex. <i>Nature</i> , 1995 , 376, 274-7	50.4	85
38	Tubulin dynamics in neuronal axons of living zebrafish embryos. <i>Neuron</i> , 1995 , 14, 1257-64	13.9	57

37	Sorting mechanisms of tau and MAP2 in neurons: suppressed axonal transit of MAP2 and locally regulated microtubule binding. <i>Neuron</i> , 1995 , 14, 421-32	13.9	116
36	The neuron-specific kinesin superfamily protein KIF1A is a unique monomeric motor for anterograde axonal transport of synaptic vesicle precursors. <i>Cell</i> , 1995 , 81, 769-80	56.2	494
35	Production and Analysis of Mice Deficient in Microtubule-Associated-Protein Tau.. <i>Proceedings of the Japanese Society of Animal Models for Human Diseases</i> , 1995 , 11, 32-40		
34	KIF1B, a novel microtubule plus end-directed monomeric motor protein for transport of mitochondria. <i>Cell</i> , 1994 , 79, 1209-20	56.2	491
33	Microtubule organization and dynamics dependent on microtubule-associated proteins. <i>Current Opinion in Cell Biology</i> , 1994 , 6, 74-81	9	355
32	Redistribution of synapsin I and synaptophysin in response to electrical stimulation in the rat neurohypophysial nerve endings. <i>Cell Structure and Function</i> , 1994 , 19, 253-62	2.2	5
31	Axonal transport and the cytoskeleton. <i>Current Opinion in Neurobiology</i> , 1993 , 3, 724-31	7.6	89
30	The 72-kDa microtubule-associated protein from porcine brain. <i>Journal of Neurochemistry</i> , 1992 , 58, 1516-6		10
29	Ultrastructure of detergent-resistant cytoskeletons in the noncortical domain of sea urchin eggs as revealed by the quick-freeze deep-etch technique. <i>Cell Structure and Function</i> , 1992 , 17, 277-85	2.2	
28	Predominant and developmentally regulated expression of dynamin in neurons. <i>Neuron</i> , 1991 , 7, 461-9	13.9	92
27	Turnover of fluorescently labelled tubulin and actin in the axon. <i>Nature</i> , 1990 , 343, 479-82	50.4	167
26	Developmental changes of synapsin I subcellular localization in rat cerebellar neurons. <i>Cell Structure and Function</i> , 1990 , 15, 329-42	2.2	22
25	Cytoskeletal architecture of neuromuscular junction: localization of vinculin. <i>Journal of Electron Microscopy Technique</i> , 1989 , 12, 160-71		15
24	Submolecular domains of bovine brain kinesin identified by electron microscopy and monoclonal antibody decoration. <i>Cell</i> , 1989 , 56, 867-78	56.2	402
23	Microtubule-associated protein 1B: molecular structure, localization, and phosphorylation-dependent expression in developing neurons. <i>Neuron</i> , 1989 , 3, 229-38	13.9	180
22	Quick-freeze deep etch replica observation of the cytoskeleton combined with antibody decoration.. <i>Acta Histochemica Et Cytochemica</i> , 1989 , 22, 117-118	1.9	
21	Developmental organization of the intestinal brush-border cytoskeleton. <i>Cytoskeleton</i> , 1988 , 9, 299-311		22
20	Cytoskeletal architecture and immunocytochemical localization of fodrin in the terminal web of the ciliated epithelial cell. <i>Cytoskeleton</i> , 1988 , 11, 167-77		8

- 19 Cytoskeletal architecture of reactivated crayfish axons, with special reference to crossbridges among microtubules and between microtubules and membrane organelles. *Cytoskeleton*, **1986**, 6, 458-468 20
- 18 Quick-freeze, deep-etch visualization of the axonal cytoskeleton. *Trends in Neurosciences*, **1986**, 9, 67-71 13,3 19
- 17 Quick freeze, deep etch of the cytoskeleton. *Methods in Enzymology*, **1986**, 134, 598-612 1.7 8
- 16 Regulation of cytoskeletal structure and contractility in the brush border. *Novartis Foundation Symposium*, **1983**, 95, 195-215 11
- 15 Intracellular movement of fodrin. *Cell Motility*, **1983**, 3, 649-55 21
- 14 Location of a protein of the fodrin-spectrin-TW260/240 family in the mouse intestinal brush border. *Cell*, **1983**, 32, 953-65 56.2 147
- 13 The inside and outside of gap-junction membranes visualized by deep etching. *Cell*, **1982**, 30, 395-406 56.2 88
- 12 Internal and external differentiations of the postsynaptic membrane at the neuromuscular junction. *Journal of Neurocytology*, **1982**, 11, 487-510 129
- 11 Development of blood-cerebrospinal fluid barrier to horseradish peroxidase in the avian choroidal epithelium. *Cell and Tissue Research*, **1981**, 214, 271-8 4.2 26
- 10 An ultrastructural study of nerve and glial cells by freeze-substitution. *Journal of Neurocytology*, **1980**, 9, 243-54 45
- 9 A freeze-fracture study of intercellular junctions between various kinds of epithelial cells surrounding common endolymphatic space in the hearing organ of the chick. *The Anatomical Record*, **1980**, 196, 129-43 22
- 8 The ultrastructure of rapid-frozen, substitution fixed parotid gland acinar cells of the mongolian gerbil (*Meriones meridianus*). *American Journal of Anatomy*, **1980**, 157, 107-10 32
- 7 A study of the synaptogenesis in the cerebellar cortex through chronic treatment and immunocytochemistry of beta-bungarotoxin. *Journal of Comparative Neurology*, **1979**, 185, 107-19 3.4 12
- 6 Development of the blood-brain barrier to horseradish peroxidase in the chick embryo. *Cell and Tissue Research*, **1978**, 195, 195-203 4.2 109
- 5 Characterization of various nervous tissues of the chick embryos through responses to chronic application and immunocytochemistry of beta-bungarotoxin. *Journal of Comparative Neurology*, **1978**, 180, 449-66 3.4 33
- 4 The ultrastructure of the basilar papilla of the chick. *Journal of Comparative Neurology*, **1978**, 181, 361-74 3.4 106
- 3 Electron microscopic observations on postnatal development of the X zone in mouse adrenal cortex. *Anatomy and Embryology*, **1974**, 144, 85-100 17
- 2 Kinesin Superfamily Proteins 79-109 4

1 Kinesin Superfamily Proteins79