Yuh Nung Jan

List of Publications by Year
in descending order

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338	59,040	293	1109
papers	citations	139 h-index	231 g-index

356	356	356	35412
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interactions between heterologous helix-loop-helix proteins generate complexes that bind specifically to a common DNA sequence. Cell, 1989, 58, 537-544.	13.5	1,791
2	Changing subunit composition of heteromeric NMDA receptors during development of rat cortex. Nature, 1994, 368, 144-147.	13.7	1,236
3	Primary structure and functional expression of a mouse inward rectifier potassium channel. Nature, 1993, 362, 127-133.	13.7	1,026
4	Expression Cloning of TMEM16A as a Calcium-Activated Chloride Channel Subunit. Cell, 2008, 134, 1019-1029.	13.5	1,022
5	A New ER Trafficking Signal Regulates the Subunit Stoichiometry of Plasma Membrane KATP Channels. Neuron, 1999, 22, 537-548.	3.8	977
6	Clustering of Shaker-type K+ channels by interaction with a family of membrane-associated guanylate kinases. Nature, 1995, 378, 85-88.	13.7	961
7	Asymmetric distribution of numb protein during division of the sensory organ precursor cell confers distinct fates to daughter cells. Cell, 1994, 76, 477-491.	13.5	711
8	A Trafficking Checkpoint Controls GABAB Receptor Heterodimerization. Neuron, 2000, 27, 97-106.	3.8	626
9	Control of Daughter Cell Fates during Asymmetric Division: Interaction of Numb and Notch. Neuron, 1996, 17, 27-41.	3.8	620
10	Primary structure and functional expression of a rat G-protein-coupled muscarinic potassium channel. Nature, 1993, 364, 802-806.	13.7	619
11	Branching out: mechanisms of dendritic arborization. Nature Reviews Neuroscience, 2010, 11, 316-328.	4.9	612
12	A protein component of Drosophila polar granules is encoded by vasa and has extensive sequence similarity to ATP-dependent helicases. Cell, 1988, 55, 577-587.	13.5	582
13	Hippocampal Neuronal Polarity Specified by Spatially Localized mPar3/mPar6 and PI 3-Kinase Activity. Cell, 2003, 112, 63-75.	13.5	582
14	Alteration of voltage-dependence of Shaker potassium channel by mutations in the S4 sequence. Nature, 1991, 349, 305-310.	13.7	530
15	atonal is a proneural gene that directs chordotonal organ formation in the Drosophila peripheral nervous system. Cell, 1993, 73, 1307-1321.	13.5	521
16	Tiling of theDrosophilaepidermis by multidendritic sensory neurons. Development (Cambridge), 2002, 129, 2867-2878.	1.2	506
17	CLONED POTASSIUM CHANNELS FROM EUKARYOTES AND PROKARYOTES. Annual Review of Neuroscience, 1997, 20, 91-123.	5.0	503
18	Multiple potassiumâ€“channel components are produced by alternative splicing at the Shaker locus in Drosophila. Nature, 1988, 331, 137-142.	13.7	498

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19	numb, a gene required in determination of cell fate during sensory organ formation in Drosophila embryos. Cell, 1989, 58, 349-360.	13.5	492
20	Activation of the cloned muscarinic potassium channel by G protein Î²Î³ subunits. Nature, 1994, 370, 143-146.	13.7	484
21	atonal is the proneural gene for Drosophila photoreceptors. Nature, 1994, 369, 398-400.	13.7	477
22	Asymmetric segregation of Numb and Prospero during cell division. Nature, 1995, 377, 624-627.	13.7	473
23	daughterless, a Drosophila gene essential for both neurogenesis and sex determination, has sequence similarities to myc and the achaete-scute complex. Cell, 1988, 55, 1061-1067.	13.5	465
24	Asymmetric Localization of a Mammalian Numb Homolog during Mouse Cortical Neurogenesis. Neuron, 1996, 17, 43-53.	3.8	462
25	Subcellular segregation of two A-type K+ channel proteins in rat central neurons. Neuron, 1992, 9, 271-284.	3.8	456
26	Evidence for the formation of heteromultimeric potassium channels in Xenopus oocytes. Nature, 1990, 345, 530-534.	13.7	452
27	Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines. Nature, 1996, 379, 837-840.	13.7	436
28	Comparing genomic expression patterns across species identifies shared transcriptional profile in aging. Nature Genetics, 2004, 36, 197-204.	9.4	434
29	Microtubule Plus-End-Tracking Proteins Target Gap Junctions Directly from the Cell Interior to Adherens Junctions. Cell, 2007, 128, 547-560.	13.5	433
30	HLH proteins, fly neurogenesis, and vertebrate myogenesis. Cell, 1993, 75, 827-830.	13.5	423
31	frazzled Encodes a Drosophila Member of the DCC Immunoglobulin Subfamily and Is Required for CNS and Motor Axon Guidance. Cell, 1996, 87, 197-204.	13.5	422
32	Light-avoidance-mediating photoreceptors tile the Drosophila larval body wall. Nature, 2010, 468, 921-926.	13.7	399
33	Local generation of glia is a major astrocyte source in postnatal cortex. Nature, 2012, 484, 376-380.	13.7	393
34	Expression of functional potassium channels from Shaker cDNA in Xenopus oocytes. Nature, 1988, 331, 143-145.	13.7	387
35	prospero is expressed in neuronal precursors and encodes a nuclear protein that is involved in the control of axonal outgrowth in Drosophila. Cell, 1991, 67, 941-953.	13.5	377
36	Role of inscuteable in orienting asymmetric cell divisions in Drosophila. Nature, 1996, 383, 50-55.	13.7	375

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37	Probing Protein Electrostatics with a Synthetic Fluorescent Amino Acid. Science, 2002, 296, 1700-1703.	6.0	375
38	Role of neurogenic genes in establishment of follicle cell fate and oocyte polarity during oogenesis in Drosophila. Cell, 1991, 66, 433-449.	13.5	373
39	TMEM16F Forms a Ca2+-Activated Cation Channel Required for Lipid Scrambling in Platelets during Blood Coagulation. Cell, 2012, 151, 111-122.	13.5	372
40	Presynaptic A-current based on heteromultimeric K+ channels detected in vivo. Nature, 1993, 365, 72-75.	13.7	367
41	Role of ER Export Signals in Controlling Surface Potassium Channel Numbers. Science, 2001, 291, 316-319.	6.0	362
42	Peptidergic transmission in sympathetic ganglia of the frog.. Journal of Physiology, 1982, 327, 219-246.	1.3	349
43	Growing Dendrites and Axons Differ in Their Reliance on the Secretory Pathway. Cell, 2007, 130, 717-729.	13.5	342
44	Putative receptor for the cytoplasmic inactivation gate in the Shaker K+ channel. Nature, 1991, 353, 86-90.	13.7	336
45	Voltage-sensitive ion channels. Cell, 1989, 56, 13-25.	13.5	324
46	Dacapo, a Cyclin-Dependent Kinase Inhibitor, Stops Cell Proliferation during Drosophila Development. Cell, 1996, 87, 1225-1235.	13.5	321
47	Drosophila Egg-Laying Site Selection as a System to Study Simple Decision-Making Processes. Science, 2008, 319, 1679-1683.	6.0	320
48	Evidence that direct binding of Gî²î³ to the GIRK1 G protein-gated inwardly rectifying K+ channel is important for channel activation. Neuron, 1995, 15, 1133-1143.	3.8	316
49	Mammalian Par3 Regulates Progenitor Cell Asymmetric Division via Notch Signaling in the Developing Neocortex. Neuron, 2009, 63, 189-202.	3.8	310
50	Asymmetric Numb distribution is critical for asymmetric cell division of mouse cerebral cortical stem cells and neuroblasts. Development (Cambridge), 2002, 129, 4843-4853.	1.2	310
51	Genes regulating dendritic outgrowth, branching, and routing in Drosophila. Genes and Development, 1999, 13, 2549-2561.	2.7	306
52	Drosophila NOMPC is a mechanotransduction channel subunit for gentle-touch sensation. Nature, 2013, 493, 221-225.	13.7	304
53	Cloning of a probable potassium channel gene from mouse brain. Nature, 1988, 332, 837-839.	13.7	300
54	Progenitor cell maintenance requires numb and numblike during mouse neurogenesis. Nature, 2002, 419, 929-934.	13.7	300

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55	Control of rectification and permeation by residues in two distinct domains in an inward rectifier K+ channel. Neuron, 1995, 14, 1047-1054.	3.8	299
56	Primary structure and expression of a product from cut, a locus involved in specifying sensory organ identity in Drosophila. Nature, 1988, 333, 629-635.	13.7	297
57	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly. Science, 2022, 375, eabk2432.	6.0	295
58	Numb and Numbl are required for maintenance of cadherin-based adhesion and polarity of neural progenitors. Nature Neuroscience, 2007, 10, 819-827.	7.1	294
59	Potassium channels and their evolving gates. Nature, 1994, 371, 119-122.	13.7	293
60	The Control of Dendrite Development. Neuron, 2003, 40, 229-242.	3.8	293
61	Transient posterior localization of a kinesin fusion protein reflects anteroposterior polarity of the Drosophila oocyte. Current Biology, 1994, 4, 289-300.	1.8	290
62	Genome-wide study of aging and oxidative stress response in Drosophilamelanogaster. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13726-13731.	3.3	290
63	Calcium-activated chloride channel TMEM16A modulates mucin secretion and airway smooth muscle contraction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16354-16359.	3.3	290
64	The Drosophila Numb protein inhibits signaling of the Notch receptor during cell-cell interaction in sensory organ lineage.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11925-11932.	3.3	285
65	Different Levels of the Homeodomain Protein Cut Regulate Distinct Dendrite Branching Patterns of Drosophila Multidendritic Neurons. Cell, 2003, 112, 805-818.	13.5	284
66	Studies on expression and function of the TMEM16A calcium-activated chloride channel. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21413-21418.	3.3	278
67	Tiling of the Drosophila epidermis by multidendritic sensory neurons. Development (Cambridge), 2002, 129, 2867-78.	1.2	278
68	Transformation of sensory organs by Mutations of the cut locus of D. melanogaster. Cell, 1987, 51, 293-307.	13.5	275
69	Cryo-EM structures of the TMEM16A calcium-activated chloride channel. Nature, 2017, 552, 426-429.	13.7	274
70	Golgi Outposts Shape Dendrite Morphology by Functioning as Sites of Acentrosomal Microtubule Nucleation in Neurons. Neuron, 2012, 76, 921-930.	3.8	273
71	A superfamily of ion channels. Nature, 1990, 345, 672-672.	13.7	271
72	Control of the Postmating Behavioral Switch in Drosophila Females by Internal Sensory Neurons. Neuron, 2009, 61, 519-526.	3.8	271

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73	M Channel KCNQ2 Subunits Are Localized to Key Sites for Control of Neuronal Network Oscillations and Synchronization in Mouse Brain. Journal of Neuroscience, 2001, 21, 9529-9540.	1.7	267
74	Dynein is required for polarized dendritic transport and uniform microtubule orientation in axons. Nature Cell Biology, 2008, 10, 1172-1180.	4.6	265
75	Miranda Is Required for the Asymmetric Localization of Prospero during Mitosis in Drosophila. Cell, 1997, 90, 449-458.	13.5	264
76	Positional cloning of heart and soul reveals multiple roles for PKCÎ» in zebrafish organogenesis. Current Biology, 2001, 11, 1492-1502.	1.8	264
77	Asymmetric cell division. Nature, 1998, 392, 775-778.	13.7	261
78	APC and GSK-3Î² Are Involved in mPar3 Targeting to the Nascent Axon and Establishment of Neuronal Polarity. Current Biology, 2004, 14, 2025-2032.	1.8	261
79	Enhancer-driven membrane markers for analysis of nonautonomous mechanisms reveal neuronâ€“glia interactions in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9673-9678.	3.3	259
80	Functional Effects of the Mouse weaver Mutation on G Proteinâ€“Gated Inwardly Rectifying K+ Channels. Neuron, 1996, 16, 321-331.	3.8	256
81	Drosophila Sensory Neurons Require Dscam for Dendritic Self-Avoidance and Proper Dendritic Field Organization. Neuron, 2007, 54, 403-416.	3.8	254
82	Xath5 Participates in a Network of bHLH Genes in the Developing Xenopus Retina. Neuron, 1997, 19, 981-994.	3.8	253
83	Dendrites of Distinct Classes of Drosophila Sensory Neurons Show Different Capacities for Homotypic Repulsion. Current Biology, 2003, 13, 618-626.	1.8	251
84	Neurogenesis of the peripheral nervous system in Drosophila embryos: DNA replication patterns and cell lineages. Neuron, 1989, 3, 21-32.	3.8	249
85	Activity- and mTOR-Dependent Suppression of Kv1.1 Channel mRNA Translation in Dendrites. Science, 2006, 314, 144-148.	6.0	247
86	Mechanisms that Regulate Establishment, Maintenance, and Remodeling of Dendritic Fields. Annual Review of Neuroscience, 2007, 30, 399-423.	5.0	240
87	Tracing the roots of ion channels. Cell, 1992, 69, 715-718.	13.5	239
88	Morphological differentiation of the embryonic peripheral neurons in Drosophila. Roux's Archives of Developmental Biology, 1987, 196, 69-77.	1.2	233
89	PAR-1 is a Dishevelled-associated kinase and a positive regulator of Wnt signalling. Nature Cell Biology, 2001, 3, 628-636.	4.6	233
90	Identification of E2/E3 Ubiquitinating Enzymes and Caspase Activity Regulating Drosophila Sensory Neuron Dendrite Pruning. Neuron, 2006, 51, 283-290.	3.8	233

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91	Heteromultimerization of G-Protein-Gated Inwardly Rectifying K⁺Channel Proteins GIRK1 and GIRK2 and Their Altered Expression inweaverBrain. Journal of Neuroscience, 1996, 16, 7137-7150.	1.7	232
92	Determination of the subunit stoichiometry of an inwardly rectifying potassium channel. Neuron, 1995, 15, 1441-1447.	3.8	224
93	Adherens junctions inhibit asymmetric division in the Drosophila epithelium. Nature, 2001, 409, 522-525.	13.7	223
94	Control of Dendritic Branching and Tiling by the Tricornered-Kinase/Furry Signaling Pathway in Drosophila Sensory Neurons. Cell, 2004, 119, 245-256.	13.5	218
95	Drosophila Stardust interacts with Crumbs to control polarity of epithelia but not neuroblasts. Nature, 2001, 414, 634-638.	13.7	217
96	Asymmetric cell division. Current Opinion in Cell Biology, 2004, 16, 195-205.	2.6	214
97	nanos and pumilio Are Essential for Dendrite Morphogenesis in Drosophila Peripheral Neurons. Current Biology, 2004, 14, 314-321.	1.8	212
98	Characterization of a mammalian cDNA for an inactivating voltage-sensitive K+ channel. Neuron, 1991, 7, 471-483.	3.8	211
99	Differential expression of K+ channel mRNAs in the rat brain and down-regulation in the hippocampus following seizures. Neuron, 1992, 8, 1055-1067.	3.8	201
100	Dendrite-specific remodeling of Drosophila sensory neurons requires matrix metalloproteases, ubiquitin-proteasome, and ecdysone signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15230-15235.	3.3	198
101	The Role of the TRP Channel NompC in Drosophila Larval and Adult Locomotion. Neuron, 2010, 67, 373-380.	3.8	198
102	Electron cryo-microscopy structure of the mechanotransduction channel NOMPC. Nature, 2017, 547, 118-122.	13.7	198
103	Inactivation of Numb and Numblike in Embryonic Dorsal Forebrain Impairs Neurogenesis and Disrupts Cortical Morphogenesis. Neuron, 2003, 40, 1105-1118.	3.8	197
104	Voltageâ€gated potassium channels and the diversity of electrical signalling. Journal of Physiology, 2012, 590, 2591-2599.	1.3	196
105	Diverse Trafficking Patterns Due to Multiple Traffic Motifs in G Protein-Activated Inwardly Rectifying Potassium Channels from Brain and Heart. Neuron, 2002, 33, 715-729.	3.8	195
106	Drosophila let-7 microRNA is required for remodeling of the neuromusculature during metamorphosis. Genes and Development, 2008, 22, 1591-1596.	2.7	194
107	Partner of Numb Colocalizes with Numb during Mitosis and Directs Numb Asymmetric Localization in Drosophila Neural and Muscle Progenitors. Cell, 1998, 95, 225-235.	13.5	191
108	Activity of the mitochondrial calcium uniporter varies greatly between tissues. Nature Communications, 2012, 3, 1317.	5.8	191

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109	Ankyrin Repeats Convey Force to Gate the NOMPC Mechanotransduction Channel. Cell, 2015, 162, 1391-1403.	13.5	191
110	Rho family small GTP-binding proteins in growth cone signalling. Current Opinion in Neurobiology, 1997, 7, 81-86.	2.0	190
111	Postnatal Deletion of Numb/Numblike Reveals Repair and Remodeling Capacity in the Subventricular Neurogenic Niche. Cell, 2006, 127, 1253-1264.	13.5	190
112	Evidence that the S6 segment of the Shaker voltage-gated K+ channel comprises part of the pore. Nature, 1994, 367, 179-182.	13.7	188
113	How might the diversity of potassium channels be generated?. Trends in Neurosciences, 1990, 13, 415-419.	4.2	187
114	Mouse numb is an essential gene involved in cortical neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6844-6849.	3.3	187
115	Colocalization and coassembly of two human brain M-type potassium channel subunits that are mutated in epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4914-4919.	3.3	184
116	CDC42 and Rac1 control different actin-dependent processes in the Drosophila wing disc epithelium.. Journal of Cell Biology, 1995, 131, 151-164.	2.3	183
117	Voltage-gated and inwardly rectifying potassium channels. Journal of Physiology, 1997, 505, 267-282.	1.3	183
118	Rapamycin Ameliorates Age-Dependent Obesity Associated with Increased mTOR Signaling in Hypothalamic POMC Neurons. Neuron, 2012, 75, 425-436.	3.8	183
119	Four cDNA clones from the Shaker locus of Drosophila induce kinetically distinct A-type potassium currents in Xenopus oocytes. Neuron, 1988, 1, 659-667.	3.8	181
120	The tumour suppressor Hippo acts with the NDR kinases in dendritic tiling and maintenance. Nature, 2006, 443, 210-213.	13.7	180
121	Control of Dendritic Field Formation in Drosophila. Neuron, 2000, 28, 91-101.	3.8	179
122	The Polar T1 Interface Is Linked to Conformational Changes that Open the Voltage-Gated Potassium Channel. Cell, 2000, 102, 657-670.	13.5	174
123	The germ cell-less gene product: A posteriorly localized component necessary for germ cell development in Drosophila. Cell, 1992, 70, 569-584.	13.5	173
124	Genome-wide analyses identify transcription factors required for proper morphogenesis of Drosophila sensory neuron dendrites. Genes and Development, 2006, 20, 820-835.	2.7	173
125	Polarized axonal surface expression of neuronal KCNQ channels is mediated by multiple signals in the KCNQ2 and KCNQ3 C-terminal domains. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8870-8875.	3.3	173
126	Maggot's hair and bug's eye: Role of cell interactions and intrinsic factors in cell fate specification. Neuron, 1995, 14, 1-5.	3.8	171

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127	Sensory neurons and peripheral pathways in Drosophila embryos. Roux's Archives of Developmental Biology, 1986, 195, 281-289.	1.2	170
128	Function of GB1 and GB2 subunits in G protein coupling of GABAB receptors. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14649-14654.	3.3	169
129	Mammalian electrophysiology on a microfluidic platform. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9112-9117.	3.3	169
130	Tetralogy of Fallot and Other Congenital Heart Defects in Hey2 Mutant Mice. Current Biology, 2002, 12, 1605-1610.	1.8	168
131	Integrins Regulate Repulsion-Mediated Dendritic Patterning of Drosophila Sensory Neurons by Restricting Dendrites in a 2D Space. Neuron, 2012, 73, 64-78.	3.8	166
132	Assembly of Voltage-gated Potassium Channels. Journal of Biological Chemistry, 1995, 270, 24761-24768.	1.6	161
133	Drosophila Neuroblast Asymmetric Cell Division: Recent Advances and Implications for Stem Cell Biology. Neuron, 2006, 51, 13-20.	3.8	160
134	The microRNA bantam Functions in Epithelial Cells to Regulate Scaling Growth of Dendrite Arbors in Drosophila Sensory Neurons. Neuron, 2009, 63, 788-802.	3.8	158
135	Genetic Control of Cell Fate Specification in Drosophila Peripheral Nervous System. Annual Review of Genetics, 1994, 28, 373-393.	3.2	157
136	Regions Responsible for the Assembly of Inwardly Rectifying Potassium Channels. Cell, 1996, 87, 857-868.	13.5	156
137	Peripheral multidendritic sensory neurons are necessary for rhythmic locomotion behavior in Drosophila larvae. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5199-5204.	3.3	155
138	Regeneration of Drosophila sensory neuron axons and dendrites is regulated by the Akt pathway involving Pten and microRNA bantam. Genes and Development, 2012, 26, 1612-1625.	2.7	154
139	Analysis of endoplasmic reticulum trafficking signals by combinatorial screening in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2431-2436.	3.3	152
140	Molecular Basis for K ATP Assembly. Neuron, 2000, 26, 155-167.	3.8	151
141	Mechanosensitive Ion Channels: Structural Features Relevant to Mechanotransduction Mechanisms. Annual Review of Neuroscience, 2020, 43, 207-229.	5.0	150
142	Transmembrane Structure of an Inwardly Rectifying Potassium Channel. Cell, 1999, 96, 879-891.	13.5	148
143	A Conserved Domain in Axonal Targeting of Kv1 (Shaker) Voltage-Gated Potassium Channels. Science, 2003, 301, 646-649.	6.0	147
144	Calcium-Activated Chloride Channels (CaCCs) Regulate Action Potential and Synaptic Response in Hippocampal Neurons. Neuron, 2012, 74, 179-192.	3.8	146

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145	Spatially localized rhomboid is required for establishment of the dorsal-ventral axis in Drosophila oogenesis. Cell, 1993, 73, 953-965.	13.5	145
146	deadpan, an essential pan-neural gene encoding an HLH protein, acts as a denominator in Drosophila sex determination. Cell, 1992, 70, 911-922.	13.5	142
147	The ubiquitin ligase Drosophila Mind bomb promotes Notch signaling by regulating the localization and activity of Serrate and Delta. Development (Cambridge), 2005, 132, 2319-2332.	1.2	142
148	An improved monomeric infrared fluorescent protein for neuronal and tumour brain imaging. Nature Communications, 2014, 5, 3626.	5.8	142
149	Studying Drosophila embryogenesis with P-lacZ enhancer trap lines. Roux's Archives of Developmental Biology, 1992, 201, 194-220.	1.2	140
150	Common Molecular Pathways Mediate Long-Term Potentiation of Synaptic Excitation and Slow Synaptic Inhibition. Cell, 2005, 123, 105-118.	13.5	140
151	Sound response mediated by the TRP channels NOMPC, NANCHUNG, and INACTIVE in chordotonal organs of Drosophila larvae. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13612-13617.	3.3	137
152	Yeast Screen for Constitutively Active Mutant G Proteinâ€“Activated Potassium Channels. Neuron, 2001, 29, 657-667.	3.8	134
153	Genes required for specifying cell fates in Drosophila embryonic sensory nervous system. Trends in Neurosciences, 1990, 13, 493-498.	4.2	133
154	Bidirectional Regulation of Dendritic Voltage-Gated Potassium Channels by the Fragile X Mental Retardation Protein. Neuron, 2011, 72, 630-642.	3.8	132
155	The Mechanosensitive Ion Channel Piezo Inhibits Axon Regeneration. Neuron, 2019, 102, 373-389.e6.	3.8	132
156	Drosophila par-1 is required for oocyte differentiation and microtubule organization. Current Biology, 2001, 11, 75-87.	1.8	131
157	Presynaptic Localization of Kv1.4-Containing A-Type Potassium Channels Near Excitatory Synapses in the Hippocampus. Journal of Neuroscience, 1998, 18, 965-974.	1.7	129
158	Altered ultrasonic vocalizations in a tuberous sclerosis mouse model of autism. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11074-11079.	3.3	128
159	The S4â€“S5 loop contributes to the ion-selective pore of potassium channels. Neuron, 1993, 11, 739-749.	3.8	126
160	Asymmetric cell division in the Drosophila nrevous system. Nature Reviews Neuroscience, 2001, 2, 772-779.	4.9	126
161	Peptidergic transmitters in synaptic boutons of sympathetic ganglia. Nature, 1980, 288, 380-382.	13.7	122
162	Identification of structural elements involved in G protein gating of the GIRK1 potassium channel. Neuron, 1995, 15, 1145-1156.	3.8	122

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163	Binding of the G protein Î²Î³ subunit to multiple regions of G protein-gated inward-rectifying K+ channels. FEBS Letters, 1997, 405, 291-298.	1.3	122
164	hamlet, a Binary Genetic Switch Between Single- and Multiple- Dendrite Neuron Morphology. Science, 2002, 297, 1355-1358.	6.0	122
165	Control of Cell Divisions in the Nervous System: Symmetry and Asymmetry. Annual Review of Neuroscience, 2000, 23, 531-556.	5.0	121
166	Epidermal Cells Are the Primary Phagocytes in the Fragmentation and Clearance of Degenerating Dendrites in Drosophila. Neuron, 2014, 81, 544-560.	3.8	121
167	A new factor related to TATA-binding protein has highly restricted expression patterns in Drosophila. Nature, 1993, 361, 557-561.	13.7	120
168	The Microtubule Plus-End Tracking Protein EB1 Is Required for Kv1 Voltage-Gated K+ Channel Axonal Targeting. Neuron, 2006, 52, 803-816.	3.8	120
169	Neuronal type information encoded in the basic-helix-loop-helix domain of proneural genes. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 13239-13244.	3.3	119
170	Evidence that the nucleotide exchange and hydrolysis cycle of G proteins causes acute desensitization of G-protein gated inward rectifier K+ channels. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11727-11732.	3.3	117
171	Drosophila IKK-related kinase Ik2 and Katanin p60-like 1 regulate dendrite pruning of sensory neuron during metamorphosis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6363-6368.	3.3	117
172	Chemical Genetic Identification of NDR1/2 Kinase Substrates AAK1 and Rabin8ÂUncovers Their Roles in Dendrite Arborization and Spine Development. Neuron, 2012, 73, 1127-1142.	3.8	117
173	TMEM16C facilitates Na+-activated K+ currents in rat sensory neurons and regulates pain processing. Nature Neuroscience, 2013, 16, 1284-1290.	7.1	115
174	Images of purified Shaker potassium channels. Current Biology, 1994, 4, 110-115.	1.8	114
175	A comprehensive search for calcium binding sites critical for TMEM16A calcium-activated chloride channel activity. ELife, 2014, 3, .	2.8	113
176	The Coiled-Coil Protein Shrub Controls Neuronal Morphogenesis in Drosophila. Current Biology, 2006, 16, 1006-1011.	1.8	111
177	A fluorescent probe designed for studying protein conformational change. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 965-970.	3.3	110
178	tramtrack acts downstream of numb to specify distinct daughter cell fates during asymmetric cell divisions in the drosophila PNS. Neuron, 1995, 14, 913-925.	3.8	109
179	ATP-Sensitive Potassium Channel Traffic Regulation by Adenosine and Protein Kinase C. Neuron, 2003, 38, 417-432.	3.8	109
180	The Drosophila Myosin VI Jaguar Is Required for Basal Protein Targeting and Correct Spindle Orientation in Mitotic Neuroblasts. Developmental Cell, 2003, 4, 273-281.	3.1	108

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