

Lily Y Jan

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280
papers

44,724
citations

123
h-index

208
g-index

331
ext. papers

48,317
ext. citations

20.2
avg, IF

7.26
L-index

#	Paper	IF	Citations
280	Interactions between heterologous helix-loop-helix proteins generate complexes that bind specifically to a common DNA sequence. <i>Cell</i> , 1989 , 58, 537-44	56.2	1661
279	Synaptic vesicle exocytosis captured by quick freezing and correlated with quantal transmitter release. <i>Journal of Cell Biology</i> , 1979 , 81, 275-300	7.3	1218
278	Primary structure and functional expression of a mouse inward rectifier potassium channel. <i>Nature</i> , 1993 , 362, 127-33	50.4	976
277	Expression cloning of TMEM16A as a calcium-activated chloride channel subunit. <i>Cell</i> , 2008 , 134, 1019-29	56.2	893
276	Asymmetric distribution of numb protein during division of the sensory organ precursor cell confers distinct fates to daughter cells. <i>Cell</i> , 1994 , 76, 477-91	56.2	650
275	G protein-coupled inwardly rectifying K ⁺ channels (GIRKs) mediate postsynaptic but not presynaptic transmitter actions in hippocampal neurons. <i>Neuron</i> , 1997 , 19, 687-95	13.9	596
274	Control of daughter cell fates during asymmetric division: interaction of Numb and Notch. <i>Neuron</i> , 1996 , 17, 27-41	13.9	583
273	Primary structure and functional expression of a rat G-protein-coupled muscarinic potassium channel. <i>Nature</i> , 1993 , 364, 802-6	50.4	581
272	A protein component of Drosophila polar granules is encoded by vasa and has extensive sequence similarity to ATP-dependent helicases. <i>Cell</i> , 1988 , 55, 577-87	56.2	523
271	Hippocampal neuronal polarity specified by spatially localized mPar3/mPar6 and PI 3-kinase activity. <i>Cell</i> , 2003 , 112, 63-75	56.2	511
270	Branching out: mechanisms of dendritic arborization. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 316-28	13.5	499
269	Alteration of voltage-dependence of Shaker potassium channel by mutations in the S4 sequence. <i>Nature</i> , 1991 , 349, 305-10	50.4	483
268	atonal is a proneural gene that directs chordotonal organ formation in the Drosophila peripheral nervous system. <i>Cell</i> , 1993 , 73, 1307-21	56.2	478
267	Cloned potassium channels from eukaryotes and prokaryotes. <i>Annual Review of Neuroscience</i> , 1997 , 20, 91-123	17	471
266	Multiple potassium-channel components are produced by alternative splicing at the Shaker locus in Drosophila. <i>Nature</i> , 1988 , 331, 137-42	50.4	452
265	Activation of the cloned muscarinic potassium channel by G protein beta gamma subunits. <i>Nature</i> , 1994 , 370, 143-6	50.4	446
264	numb, a gene required in determination of cell fate during sensory organ formation in Drosophila embryos. <i>Cell</i> , 1989 , 58, 349-60	56.2	441

263	Asymmetric segregation of Numb and Prospero during cell division. <i>Nature</i> , 1995 , 377, 624-7	50.4	435
262	Atonal is the proneural gene for Drosophila photoreceptors. <i>Nature</i> , 1994 , 369, 398-400	50.4	432
261	Properties of the larval neuromuscular junction in Drosophila melanogaster. <i>Journal of Physiology</i> , 1976 , 262, 189-214	3.9	430
260	Asymmetric localization of a mammalian numb homolog during mouse cortical neurogenesis. <i>Neuron</i> , 1996 , 17, 43-53	13.9	420
259	Subcellular segregation of two A-type K ⁺ channel proteins in rat central neurons. <i>Neuron</i> , 1992 , 9, 271-84	3.9	419
258	Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines. <i>Nature</i> , 1996 , 379, 837-40	50.4	401
257	HLH proteins, fly neurogenesis, and vertebrate myogenesis. <i>Cell</i> , 1993 , 75, 827-30	56.2	396
256	Tiling of the Drosophila epidermis by multidendritic sensory neurons. <i>Development (Cambridge)</i> , 2002 , 129, 2867-2878	6.6	385
255	Molecular basis for interactions of G protein betagamma subunits with effectors. <i>Science</i> , 1998 , 280, 1271-4	33.3	379
254	frazzled encodes a Drosophila member of the DCC immunoglobulin subfamily and is required for CNS and motor axon guidance. <i>Cell</i> , 1996 , 87, 197-204	56.2	375
253	Microtubule plus-end-tracking proteins target gap junctions directly from the cell interior to adherens junctions. <i>Cell</i> , 2007 , 128, 547-60	56.2	374
252	Functional dissociation of mu opioid receptor signaling and endocytosis: implications for the biology of opiate tolerance and addiction. <i>Neuron</i> , 1999 , 23, 737-46	13.9	374
251	Probing protein electrostatics with a synthetic fluorescent amino acid. <i>Science</i> , 2002 , 296, 1700-3	33.3	355
250	Expression of functional potassium channels from Shaker cDNA in Xenopus oocytes. <i>Nature</i> , 1988 , 331, 143-5	50.4	346
249	prospero is expressed in neuronal precursors and encodes a nuclear protein that is involved in the control of axonal outgrowth in Drosophila. <i>Cell</i> , 1991 , 67, 941-53	56.2	341
248	Role of inscuteable in orienting asymmetric cell divisions in Drosophila. <i>Nature</i> , 1996 , 383, 50-5	50.4	340
247	The distribution and targeting of neuronal voltage-gated ion channels. <i>Nature Reviews Neuroscience</i> , 2006 , 7, 548-62	13.5	339
246	Role of ER export signals in controlling surface potassium channel numbers. <i>Science</i> , 2001 , 291, 316-9	33.3	329

245	Role of neurogenic genes in establishment of follicle cell fate and oocyte polarity during oogenesis in <i>Drosophila</i> . <i>Cell</i> , 1991 , 66, 433-49	56.2	325
244	Light-avoidance-mediating photoreceptors tile the <i>Drosophila</i> larval body wall. <i>Nature</i> , 2010 , 468, 921-650.4	50.4	320
243	L-glutamate as an excitatory transmitter at the <i>Drosophila</i> larval neuromuscular junction. <i>Journal of Physiology</i> , 1976 , 262, 215-36	3.9	314
242	Voltage-sensitive ion channels. <i>Cell</i> , 1989 , 56, 13-25	56.2	306
241	Peptidergic transmission in sympathetic ganglia of the frog. <i>Journal of Physiology</i> , 1982 , 327, 219-46	3.9	306
240	Local generation of glia is a major astrocyte source in postnatal cortex. <i>Nature</i> , 2012 , 484, 376-80	50.4	303
239	Evidence that direct binding of G beta gamma to the GIRK1 G protein-gated inwardly rectifying K ⁺ channel is important for channel activation. <i>Neuron</i> , 1995 , 15, 1133-43	13.9	298
238	Growing dendrites and axons differ in their reliance on the secretory pathway. <i>Cell</i> , 2007 , 130, 717-29	56.2	293
237	Control of rectification and permeation by residues in two distinct domains in an inward rectifier K ⁺ channel. <i>Neuron</i> , 1995 , 14, 1047-54	13.9	285
236	Immunohistochemical localization of GABA(B) receptors in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 1999 , 405, 299-321	3.4	283
235	Cloning of a probable potassium channel gene from mouse brain. <i>Nature</i> , 1988 , 332, 837-9	50.4	276
234	Mammalian Par3 regulates progenitor cell asymmetric division via notch signaling in the developing neocortex. <i>Neuron</i> , 2009 , 63, 189-202	13.9	271
233	Tiling of the <i>Drosophila</i> epidermis by multidendritic sensory neurons. <i>Development (Cambridge)</i> , 2002 , 129, 2867-78	6.6	270
232	Transient posterior localization of a kinesin fusion protein reflects anteroposterior polarity of the <i>Drosophila</i> oocyte. <i>Current Biology</i> , 1994 , 4, 289-300	6.3	269
231	Numb and Numbl are required for maintenance of cadherin-based adhesion and polarity of neural progenitors. <i>Nature Neuroscience</i> , 2007 , 10, 819-27	25.5	267
230	The control of dendrite development. <i>Neuron</i> , 2003 , 40, 229-42	13.9	267
229	Genes regulating dendritic outgrowth, branching, and routing in <i>Drosophila</i> . <i>Genes and Development</i> , 1999 , 13, 2549-61	12.6	267
228	Genome-wide study of aging and oxidative stress response in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 13726-31	11.5	263

227	The Drosophila Numb protein inhibits signaling of the Notch receptor during cell-cell interaction in sensory organ lineage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 11925-32	11.5	262
226	Foxn4 directly regulates tbx2b expression and atrioventricular canal formation. <i>Genes and Development</i> , 2008 , 22, 734-9	12.6	258
225	Drosophila egg-laying site selection as a system to study simple decision-making processes. <i>Science</i> , 2008 , 319, 1679-83	33.3	257
224	Different levels of the homeodomain protein cut regulate distinct dendrite branching patterns of Drosophila multidendritic neurons. <i>Cell</i> , 2003 , 112, 805-18	56.2	250
223	Studies on expression and function of the TMEM16A calcium-activated chloride channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21413-8	11.5	247
222	International Union of Pharmacology. XLI. Compendium of voltage-gated ion channels: potassium channels. <i>Pharmacological Reviews</i> , 2003 , 55, 583-6	22.5	247
221	Miranda is required for the asymmetric localization of Prospero during mitosis in Drosophila. <i>Cell</i> , 1997 , 90, 449-58	56.2	244
220	Asymmetric cell division. <i>Nature</i> , 1998 , 392, 775-8	50.4	243
219	Transformation of sensory organs by mutations of the cut locus of D. melanogaster. <i>Cell</i> , 1987 , 51, 293-307	30.2	242
218	Functional effects of the mouse weaver mutation on G protein-gated inwardly rectifying K ⁺ channels. <i>Neuron</i> , 1996 , 16, 321-31	13.9	241
217	Drosophila NOMPC is a mechanotransduction channel subunit for gentle-touch sensation. <i>Nature</i> , 2013 , 493, 221-5	50.4	240
216	Calcium-activated chloride channel TMEM16A modulates mucin secretion and airway smooth muscle contraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16354-9	11.5	235
215	Dynein is required for polarized dendritic transport and uniform microtubule orientation in axons. <i>Nature Cell Biology</i> , 2008 , 10, 1172-80	23.4	230
214	M channel KCNQ2 subunits are localized to key sites for control of neuronal network oscillations and synchronization in mouse brain. <i>Journal of Neuroscience</i> , 2001 , 21, 9529-40	6.6	228
213	Golgi outposts shape dendrite morphology by functioning as sites of acentrosomal microtubule nucleation in neurons. <i>Neuron</i> , 2012 , 76, 921-30	13.9	227
212	Tracing the roots of ion channels. <i>Cell</i> , 1992 , 69, 715-8	56.2	224
211	APC and GSK-3beta are involved in mPar3 targeting to the nascent axon and establishment of neuronal polarity. <i>Current Biology</i> , 2004 , 14, 2025-32	6.3	222
210	International Union of Pharmacology. LIV. Nomenclature and molecular relationships of inwardly rectifying potassium channels. <i>Pharmacological Reviews</i> , 2005 , 57, 509-26	22.5	217

209	Activity- and mTOR-dependent suppression of Kv1.1 channel mRNA translation in dendrites. <i>Science</i> , 2006 , 314, 144-8	33.3	216
208	Identification of E2/E3 ubiquitinating enzymes and caspase activity regulating Drosophila sensory neuron dendrite pruning. <i>Neuron</i> , 2006 , 51, 283-90	13.9	214
207	Determination of the subunit stoichiometry of an inwardly rectifying potassium channel. <i>Neuron</i> , 1995 , 15, 1441-7	13.9	214
206	Dendrites of distinct classes of Drosophila sensory neurons show different capacities for homotypic repulsion. <i>Current Biology</i> , 2003 , 13, 618-26	6.3	212
205	Adherens junctions inhibit asymmetric division in the Drosophila epithelium. <i>Nature</i> , 2001 , 409, 522-5	50.4	212
204	Control of the postmating behavioral switch in Drosophila females by internal sensory neurons. <i>Neuron</i> , 2009 , 61, 519-26	13.9	210
203	Drosophila Stardust interacts with Crumbs to control polarity of epithelia but not neuroblasts. <i>Nature</i> , 2001 , 414, 634-8	50.4	206
202	Drosophila sensory neurons require Dscam for dendritic self-avoidance and proper dendritic field organization. <i>Neuron</i> , 2007 , 54, 403-16	13.9	205
201	Genetic and physiologic dissection of the vertebrate cardiac conduction system. <i>PLoS Biology</i> , 2008 , 6, e109	9.7	196
200	Characterization of a mammalian cDNA for an inactivating voltage-sensitive K ⁺ channel. <i>Neuron</i> , 1991 , 7, 471-83	13.9	196
199	Control of dendritic branching and tiling by the Tricornered-kinase/Furry signaling pathway in Drosophila sensory neurons. <i>Cell</i> , 2004 , 119, 245-56	56.2	190
198	Contribution of GIRK2-mediated postsynaptic signaling to opiate and alpha 2-adrenergic analgesia and analgesic sex differences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 271-6	11.5	183
197	Diverse trafficking patterns due to multiple traffic motifs in G protein-activated inwardly rectifying potassium channels from brain and heart. <i>Neuron</i> , 2002 , 33, 715-29	13.9	182
196	Neutrophil-derived microvesicles enter cartilage and protect the joint in inflammatory arthritis. <i>Science Translational Medicine</i> , 2015 , 7, 315ra190	17.5	176
195	Differential expression of K ⁺ channel mRNAs in the rat brain and down-regulation in the hippocampus following seizures. <i>Neuron</i> , 1992 , 8, 1055-67	13.9	175
194	Enhancer-driven membrane markers for analysis of nonautonomous mechanisms reveal neuron-glia interactions in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9673-8	11.5	174
193	Partner of Numb colocalizes with Numb during mitosis and directs Numb asymmetric localization in Drosophila neural and muscle progenitors. <i>Cell</i> , 1998 , 95, 225-35	56.2	174
192	How might the diversity of potassium channels be generated?. <i>Trends in Neurosciences</i> , 1990 , 13, 415-9	13.3	174

191	Rho family GTP-binding proteins in growth cone signalling. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 81-67.6	173
190	Postnatal deletion of Numb/Numbl like reveals repair and remodeling capacity in the subventricular neurogenic niche. <i>Cell</i> , 2006 , 127, 1253-64	56.2 173
189	Evidence that the S6 segment of the Shaker voltage-gated K ⁺ channel comprises part of the pore. <i>Nature</i> , 1994 , 367, 179-82	50.4 171
188	Dendrite-specific remodeling of <i>Drosophila</i> sensory neurons requires matrix metalloproteases, ubiquitin-proteasome, and ecdysone signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15230-5	11.5 170
187	Colocalization and coassembly of two human brain M-type potassium channel subunits that are mutated in epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4914-9	11.5 168
186	Inactivation of Numb and Numbl like in embryonic dorsal forebrain impairs neurogenesis and disrupts cortical morphogenesis. <i>Neuron</i> , 2003 , 40, 1105-18	13.9 167
185	Mouse numb is an essential gene involved in cortical neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 6844-9	11.5 167
184	The tumour suppressor Hippo acts with the NDR kinases in dendritic tiling and maintenance. <i>Nature</i> , 2006 , 443, 210-3	50.4 163
183	Function of GB1 and GB2 subunits in G protein coupling of GABA(B) receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14649-54	11.5 163
182	Four cDNA clones from the Shaker locus of <i>Drosophila</i> induce kinetically distinct A-type potassium currents in <i>Xenopus</i> oocytes. <i>Neuron</i> , 1988 , 1, 659-67	13.9 162
181	The germ cell-less gene product: a posteriorly localized component necessary for germ cell development in <i>Drosophila</i> . <i>Cell</i> , 1992 , 70, 569-84	56.2 161
180	The role of the TRP channel NompC in <i>Drosophila</i> larval and adult locomotion. <i>Neuron</i> , 2010 , 67, 373-80	13.9 160
179	The polar T1 interface is linked to conformational changes that open the voltage-gated potassium channel. <i>Cell</i> , 2000 , 102, 657-70	56.2 159
178	Maggot's hair and bug's eye: role of cell interactions and intrinsic factors in cell fate specification. <i>Neuron</i> , 1995 , 14, 1-5	13.9 157
177	Similarity of the product of the <i>Drosophila</i> neurogenic gene big brain to transmembrane channel proteins. <i>Nature</i> , 1990 , 345, 163-7	50.4 156
176	Assembly of voltage-gated potassium channels. Conserved hydrophilic motifs determine subfamily-specific interactions between the alpha-subunits. <i>Journal of Biological Chemistry</i> , 1995 , 270, 24761-8	5.4 153
175	Projections of <i>Drosophila</i> multidendritic neurons in the central nervous system: links with peripheral dendrite morphology. <i>Development (Cambridge)</i> , 2007 , 134, 55-64	6.6 152
174	Polarized axonal surface expression of neuronal KCNQ channels is mediated by multiple signals in the KCNQ2 and KCNQ3 C-terminal domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8870-5	11.5 151

173	Cardiac BIN1 folds T-tubule membrane, controlling ion flux and limiting arrhythmia. <i>Nature Medicine</i> , 2014 , 20, 624-32	50.5	150
172	Analysis of endoplasmic reticulum trafficking signals by combinatorial screening in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 2431-6	11.5	146
171	Mammalian electrophysiology on a microfluidic platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 9112-7	11.5	145
170	Rapamycin ameliorates age-dependent obesity associated with increased mTOR signaling in hypothalamic POMC neurons. <i>Neuron</i> , 2012 , 75, 425-36	13.9	143
169	Regions responsible for the assembly of inwardly rectifying potassium channels. <i>Cell</i> , 1996 , 87, 857-68	56.2	141
168	Spatially localized rhomboid is required for establishment of the dorsal-ventral axis in <i>Drosophila</i> oogenesis. <i>Cell</i> , 1993 , 73, 953-65	56.2	139
167	Electron cryo-microscopy structure of the mechanotransduction channel NOMPC. <i>Nature</i> , 2017 , 547, 118-122	50.4	138
166	Voltage-gated potassium channels and the diversity of electrical signalling. <i>Journal of Physiology</i> , 2012 , 590, 2591-9	3.9	138
165	Sensory neurons and peripheral pathways in <i>Drosophila</i> embryos. <i>Roux's Archives of Developmental Biology</i> , 1986 , 195, 281-289		138
164	Ankyrin Repeats Convey Force to Gate the NOMPC Mechanotransduction Channel. <i>Cell</i> , 2015 , 162, 1391-403	40.3	134
163	A conserved domain in axonal targeting of Kv1 (Shaker) voltage-gated potassium channels. <i>Science</i> , 2003 , 301, 646-9	33.3	132
162	The microRNA bantam functions in epithelial cells to regulate scaling growth of dendrite arbors in <i>drosophila</i> sensory neurons. <i>Neuron</i> , 2009 , 63, 788-802	13.9	130
161	International Union of Basic and Clinical Pharmacology. LXXXV: calcium-activated chloride channels. <i>Pharmacological Reviews</i> , 2012 , 64, 1-15	22.5	128
160	Probing the G-protein regulation of GIRK1 and GIRK4, the two subunits of the KACH channel, using functional homomeric mutants. <i>Journal of Biological Chemistry</i> , 1997 , 272, 31553-60	5.4	127
159	Common molecular pathways mediate long-term potentiation of synaptic excitation and slow synaptic inhibition. <i>Cell</i> , 2005 , 123, 105-18	56.2	126
158	Integrins regulate repulsion-mediated dendritic patterning of <i>drosophila</i> sensory neurons by restricting dendrites in a 2D space. <i>Neuron</i> , 2012 , 73, 64-78	13.9	124
157	deadpan, an essential pan-neural gene encoding an HLH protein, acts as a denominator in <i>Drosophila</i> sex determination. <i>Cell</i> , 1992 , 70, 911-22	56.2	121
156	Genes required for specifying cell fates in <i>Drosophila</i> embryonic sensory nervous system. <i>Trends in Neurosciences</i> , 1990 , 13, 493-8	13.3	121

155	Asymmetric cell division in the Drosophila nervous system. <i>Nature Reviews Neuroscience</i> , 2001 , 2, 772-9	13.5	120
154	Yeast screen for constitutively active mutant G protein-activated potassium channels. <i>Neuron</i> , 2001 , 29, 657-67	13.9	119
153	The S4-S5 loop contributes to the ion-selective pore of potassium channels. <i>Neuron</i> , 1993 , 11, 739-49	13.9	119
152	Binding of the G protein betagamma subunit to multiple regions of G protein-gated inward-rectifying K ⁺ channels. <i>FEBS Letters</i> , 1997 , 405, 291-8	3.8	115
151	Probing ion permeation and gating in a K ⁺ channel with backbone mutations in the selectivity filter. <i>Nature Neuroscience</i> , 2001 , 4, 239-46	25.5	115
150	Evidence that the nucleotide exchange and hydrolysis cycle of G proteins causes acute desensitization of G-protein gated inward rectifier K ⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 11727-32	11.5	114
149	A new factor related to TATA-binding protein has highly restricted expression patterns in Drosophila. <i>Nature</i> , 1993 , 361, 557-61	50.4	114
148	Calcium-activated chloride channels (CaCCs) regulate action potential and synaptic response in hippocampal neurons. <i>Neuron</i> , 2012 , 74, 179-92	13.9	113
147	Bidirectional regulation of dendritic voltage-gated potassium channels by the fragile X mental retardation protein. <i>Neuron</i> , 2011 , 72, 630-42	13.9	113
146	Control of cell divisions in the nervous system: symmetry and asymmetry. <i>Annual Review of Neuroscience</i> , 2000 , 23, 531-56	17	112
145	Neuronal type information encoded in the basic-helix-loop-helix domain of proneural genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 13239-44	11.5	112
144	Identification of structural elements involved in G protein gating of the GIRK1 potassium channel. <i>Neuron</i> , 1995 , 15, 1145-56	13.9	111
143	The microtubule plus-end tracking protein EB1 is required for Kv1 voltage-gated K ⁺ channel axonal targeting. <i>Neuron</i> , 2006 , 52, 803-16	13.9	110
142	Peptidergic transmitters in synaptic boutons of sympathetic ganglia. <i>Nature</i> , 1980 , 288, 380-2	50.4	109
141	Altered ultrasonic vocalizations in a tuberous sclerosis mouse model of autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11074-9	11.5	107
140	hamlet, a binary genetic switch between single- and multiple- dendrite neuron morphology. <i>Science</i> , 2002 , 297, 1355-8	33.3	107
139	Regeneration of Drosophila sensory neuron axons and dendrites is regulated by the Akt pathway involving Pten and microRNA bantam. <i>Genes and Development</i> , 2012 , 26, 1612-25	12.6	106
138	Images of purified Shaker potassium channels. <i>Current Biology</i> , 1994 , 4, 110-5	6.3	106

137	ATP-sensitive potassium channel traffic regulation by adenosine and protein kinase C. <i>Neuron</i> , 2003 , 38, 417-32	13.9	104
136	Drosophila IKK-related kinase Iκ2 and Katanin p60-like 1 regulate dendrite pruning of sensory neuron during metamorphosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6363-8	11.5	102
135	Defective gamma-aminobutyric acid type B receptor-activated inwardly rectifying K ⁺ currents in cerebellar granule cells isolated from weaver and Girk2 null mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 12210-7	11.5	102
134	Flamingo controls the planar polarity of sensory bristles and asymmetric division of sensory organ precursors in Drosophila. <i>Current Biology</i> , 1999 , 9, 1247-50	6.3	102
133	tramtrack acts downstream of numb to specify distinct daughter cell fates during asymmetric cell divisions in the Drosophila PNS. <i>Neuron</i> , 1995 , 14, 913-25	13.9	101
132	M-channels: neurological diseases, neuromodulation, and drug development. <i>Archives of Neurology</i> , 2003 , 60, 496-500		100
131	The Drosophila myosin VI Jaguar is required for basal protein targeting and correct spindle orientation in mitotic neuroblasts. <i>Developmental Cell</i> , 2003 , 4, 273-81	10.2	99
130	Stabilization of ion selectivity filter by pore loop ion pairs in an inwardly rectifying potassium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 1568-72	11.5	98
129	Functional expression of Shaker K ⁺ channels in a baculovirus-infected insect cell line. <i>Neuron</i> , 1990 , 5, 221-6	13.9	96
128	Chemical genetic identification of NDR1/2 kinase substrates AAK1 and Rabin8 Uncover their roles in dendrite arborization and spine development. <i>Neuron</i> , 2012 , 73, 1127-42	13.9	95
127	Microfluidic application-specific integrated device for monitoring direct cell-cell communication via gap junctions between individual cell pairs. <i>Applied Physics Letters</i> , 2005 , 86, 223902	3.4	95
126	A fluorescent probe designed for studying protein conformational change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 965-70	11.5	95
125	Sound response mediated by the TRP channels NOMPC, NANCHUNG, and INACTIVE in chordotonal organs of Drosophila larvae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13612-7	11.5	94
124	Two types of asymmetric divisions in the Drosophila sensory organ precursor cell lineage. <i>Nature Cell Biology</i> , 2001 , 3, 58-67	23.4	93
123	Epidermal cells are the primary phagocytes in the fragmentation and clearance of degenerating dendrites in Drosophila. <i>Neuron</i> , 2014 , 81, 544-560	13.9	90
122	G protein-activated inwardly rectifying potassium channels mediate depotentiation of long-term potentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 635-40	11.5	90
121	The N terminus of the Drosophila Numb protein directs membrane association and actin-dependent asymmetric localization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 13005-10	11.5	90
120	Dividing glial cells maintain differentiated properties including complex morphology and functional synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 328-33	11.5	88

119	Neuronal activity regulates phosphorylation-dependent surface delivery of G protein-activated inwardly rectifying potassium channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 629-34	11.5	87
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