Yuh Nung Jan

List of Publications by Year in Descending Order

334 papers	51,684 citations	136 h-index	220 g-index
356 ext. papers	55,782 ext. citations	20.2 avg, IF	7.45 L-index

#	Paper	IF	Citations
334	Underrepresentation of Asian awardees of United States biomedical research prizes.. *Cell*, **2022**, 185, 407-410	56.2	2
333	Fly Cell Atlas: A single-nucleus transcriptomic atlas of the adult fruit fly.. *Science*, **2022**, 375, eabk2432	33.3	23
332	Interorganelle communication, aging, and neurodegeneration. *Genes and Development*, **2021**, 35, 449-469	12.6	9
331	TMEM16C is involved in thermoregulation and protects rodent pups from febrile seizures. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
330	Kv1.1 channels regulate early postnatal neurogenesis in mouse hippocampus via the TrkB signaling pathway. *ELife*, **2021**, 10,	8.9	1
329	TMEM16K is an interorganelle regulator of endosomal sorting. *Nature Communications*, **2020**, 11, 3298	17.4	18
328	Mechanosensitive Ion Channels: Structural Features Relevant to Mechanotransduction Mechanisms. *Annual Review of Neuroscience*, **2020**, 43, 207-229	17	58
327	Mechanisms of neurite repair. *Current Opinion in Neurobiology*, **2020**, 63, 53-58	7.6	3
326	Chloride channels regulate differentiation and barrier functions of the mammalian airway. *ELife*, **2020**, 9,	8.9	10
325	The microtubule regulator functions downstream from the RNA repair/splicing pathway to promote axon regeneration. *Genes and Development*, **2020**, 34, 194-208	12.6	7
324	Thermoregulation via Temperature-Dependent PGD Production in Mouse Preoptic Area. *Neuron*, **2019**, 103, 309-322.e7	13.9	29
323	TMEM16A controls EGF-induced calcium signaling implicated in pancreatic cancer prognosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 13026-13035	11.5	36
322	The Mechanosensitive Ion Channel Piezo Inhibits Axon Regeneration. *Neuron*, **2019**, 102, 373-389.e6	13.9	62
321	Glial ensheathment of the somatodendritic compartment regulates sensory neuron structure and activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 5126-5134	11.5	10
320	TMEM16B Calcium-Activated Chloride Channels Regulate Action Potential Firing in Lateral Septum and Aggression in Male Mice. *Journal of Neuroscience*, **2019**, 39, 7102-7117	6.6	10
319	Cryo-EM Studies of TMEM16F Calcium-Activated Ion Channel Suggest Features Important for Lipid Scrambling. *Cell Reports*, **2019**, 28, 567-579.e4	10.6	35
318	Dynamic change of electrostatic field in TMEM16F permeation pathway shifts its ion selectivity. *ELife*, **2019**, 8,	8.9	14

317	TMEM16B regulates anxiety-related behavior and GABAergic neuronal signaling in the central lateral amygdala. *ELife*, **2019**, 8,	8.9	8
316	Paralytic, the voltage-gated sodium channel, regulates proliferation of neural progenitors. *Genes and Development*, **2019**, 33, 1739-1750	12.6	8
315	Chemically induced vesiculation as a platform for studying TMEM16F activity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 1309-1318	11.5	14
314	The Sixth Transmembrane Segment Is a Major Gating Component of the TMEM16A Calcium-Activated Chloride Channel. *Neuron*, **2018**, 97, 1063-1077.e4	13.9	49
313	Phosphatidylinositol-(4, 5)-bisphosphate regulates calcium gating of small-conductance cation channel TMEM16F. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1667-E1674	11.5	46
312	Dendrite regeneration of adult sensory neurons diminishes with aging and is inhibited by epidermal-derived matrix metalloproteinase 2. *Genes and Development*, **2018**, 32, 402-414	12.6	15
311	Influences: Cold Spring Harbor summer courses and neurogenetics. *Journal of General Physiology*, **2018**, 150, 773-775	3.4	0
310	Coiled-coil structure-dependent interactions between polyQ proteins and Foxo lead to dendrite pathology and behavioral defects. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E10748-E10757	11.5	21
309	TAOK2 Kinase Mediates PSD95 Stability and Dendritic Spine Maturation through Septin7 Phosphorylation. *Neuron*, **2017**, 93, 379-393	13.9	68
308	Cryo-EM structures of the TMEM16A calcium-activated chloride channel. *Nature*, **2017**, 552, 426-429	50.4	178
307	Cytoplasmic Cl couples membrane remodeling to epithelial morphogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11161-E11169	11.5	21
306	Electron cryo-microscopy structure of the mechanotransduction channel NOMPC. *Nature*, **2017**, 547, 118-122	50.4	138
305	Age-dependent diastolic heart failure in an in vivo model. *ELife*, **2017**, 6,	8.9	16
304	In vivo dendrite regeneration after injury is different from dendrite development. *Genes and Development*, **2016**, 30, 1776-89	12.6	22
303	N-linked glycosylation of Kv1.2 voltage-gated potassium channel facilitates cell surface expression and enhances the stability of internalized channels. *Journal of Physiology*, **2016**, 594, 6701-6713	3.9	11
302	A Defensive Kicking Behavior in Response to Mechanical Stimuli Mediated by Drosophila Wing Margin Bristles. *Journal of Neuroscience*, **2016**, 36, 11275-11282	6.6	24
301	Transmembrane channel-like (tmc) gene regulates Drosophila larval locomotion. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 7243-8	11.5	45
300	Epidermis-Derived Semaphorin Promotes Dendrite Self-Avoidance by Regulating Dendrite-Substrate Adhesion in Drosophila Sensory Neurons. *Neuron*, **2016**, 89, 741-55	13.9	34

299	Rational design of a monomeric and photostable far-red fluorescent protein for fluorescence imaging in vivo. *Protein Science*, **2016**, 25, 308-15	6.3	22
298	Phosphorylation of β-Tubulin by the Down Syndrome Kinase, Minibrain/DYRK1a, Regulates Microtubule Dynamics and Dendrite Morphogenesis. *Neuron*, **2016**, 90, 551-63	13.9	51
297	Four basic residues critical for the ion selectivity and pore blocker sensitivity of TMEM16A calcium-activated chloride channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3547-52	11.5	54
296	Rationally designed fluorogenic protease reporter visualizes spatiotemporal dynamics of apoptosis in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3338-43	11.5	68
295	Regulation of axon regeneration by the RNA repair and splicing pathway. *Nature Neuroscience*, **2015**, 18, 817-25	25.5	40
294	EAG2 potassium channel with evolutionarily conserved function as a brain tumor target. *Nature Neuroscience*, **2015**, 18, 1236-46	25.5	56
293	Ankyrin Repeats Convey Force to Gate the NOMPC Mechanotransduction Channel. *Cell*, **2015**, 162, 1391-403	36.2	134
292	RAB-10-Dependent Membrane Transport Is Required for Dendrite Arborization. *PLoS Genetics*, **2015**, 11, e1005484	6	48
291	Spindle-F Is the Central Mediator of Ik2 Kinase-Dependent Dendrite Pruning in Drosophila Sensory Neurons. *PLoS Genetics*, **2015**, 11, e1005642	6	10
290	The Ret receptor regulates sensory neuron dendrite growth and integrin mediated adhesion. *ELife*, **2015**, 4,	8.9	30
289	An improved monomeric infrared fluorescent protein for neuronal and tumour brain imaging. *Nature Communications*, **2014**, 5, 3626	17.4	124
288	Female contact modulates male aggression via a sexually dimorphic GABAergic circuit in Drosophila. *Nature Neuroscience*, **2014**, 17, 81-8	25.5	68
287	Krüppel mediates the selective rebalancing of ion channel expression. *Neuron*, **2014**, 82, 537-44	13.9	29
286	Molecular Properties of Ion Channels **2014**, 323-348		2
285	Identification of Ppk26, a DEG/ENaC Channel Functioning with Ppk1 in a Mutually Dependent Manner to Guide Locomotion Behavior in Drosophila. *Cell Reports*, **2014**, 9, 1446-58	10.6	57
284	MST3 kinase phosphorylates TAO1/2 to enable Myosin Va function in promoting spine synapse development. *Neuron*, **2014**, 84, 968-82	13.9	43
283	Double-bromo and extraterminal (BET) domain proteins regulate dendrite morphology and mechanosensory function. *Genes and Development*, **2014**, 28, 1940-56	12.6	8
282	Drosophila Valosin-Containing Protein is required for dendrite pruning through a regulatory role in mRNA metabolism. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7331-6	11.5	31

281	Epidermal cells are the primary phagocytes in the fragmentation and clearance of degenerating dendrites in Drosophila. *Neuron*, **2014**, 81, 544-560	13.9	90
280	A comprehensive search for calcium binding sites critical for TMEM16A calcium-activated chloride channel activity. *ELife*, **2014**, 3,	8.9	97
279	Identification of motor neurons and a mechanosensitive sensory neuron in the defecation circuitry of Drosophila larvae. *ELife*, **2014**, 3,	8.9	26
278	TMEM16C facilitates Na(+)-activated K+ currents in rat sensory neurons and regulates pain processing. *Nature Neuroscience*, **2013**, 16, 1284-90	25.5	85
277	A PDF/NPF neuropeptide signaling circuitry of male Drosophila melanogaster controls rival-induced prolonged mating. *Neuron*, **2013**, 80, 1190-205	13.9	49
276	Identification of a dimerization domain in the TMEM16A calcium-activated chloride channel (CaCC). *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 6352-7	11.5	57
275	Increased neuronal activity fragments the Golgi complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 1482-7	11.5	40
274	Drosophila NOMPC is a mechanotransduction channel subunit for gentle-touch sensation. *Nature*, **2013**, 493, 221-5	50.4	240
273	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, 13612-7	11.5	94
272	Subdued, a TMEM16 family Ca□+-activated Cl?channel in Drosophila melanogaster with an unexpected role in host defense. *ELife*, **2013**, 2, e00862	8.9	26
271	Golgi outposts shape dendrite morphology by functioning as sites of acentrosomal microtubule nucleation in neurons. *Neuron*, **2012**, 76, 921-30	13.9	227
270	Integrins regulate repulsion-mediated dendritic patterning of drosophila sensory neurons by restricting dendrites in a 2D space. *Neuron*, **2012**, 73, 64-78	13.9	124
269	Chemical genetic identification of NDR1/2 kinase substrates AAK1 and Rabin8 Uncovers their roles in dendrite arborization and spine development. *Neuron*, **2012**, 73, 1127-42	13.9	95
268	Calcium-activated chloride channels (CaCCs) regulate action potential and synaptic response in hippocampal neurons. *Neuron*, **2012**, 74, 179-92	13.9	113
267	TMEM16F forms a Ca2+-activated cation channel required for lipid scrambling in platelets during blood coagulation. *Cell*, **2012**, 151, 111-22	56.2	292
266	Local generation of glia is a major astrocyte source in postnatal cortex. *Nature*, **2012**, 484, 376-80	50.4	303
265	Voltage-gated potassium channels and the diversity of electrical signalling. *Journal of Physiology*, **2012**, 590, 2591-9	3.9	138
264	Kv1.1-dependent control of hippocampal neuron number as revealed by mosaic analysis with double markers. *Journal of Physiology*, **2012**, 590, 2645-58	3.9	8

263	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, 16354-9	11.5	235
262	Activity of the mitochondrial calcium uniporter varies greatly between tissues. *Nature Communications*, **2012**, 3, 1317	17.4	152
261	Rapamycin ameliorates age-dependent obesity associated with increased mTOR signaling in hypothalamic POMC neurons. *Neuron*, **2012**, 75, 425-36	13.9	143
260	Rapamycin induces glucose intolerance in mice by reducing islet mass, insulin content, and insulin sensitivity. *Journal of Molecular Medicine*, **2012**, 90, 575-85	5.5	75
259	Regeneration of Drosophila sensory neuron axons and dendrites is regulated by the Akt pathway involving Pten and microRNA bantam. *Genes and Development*, **2012**, 26, 1612-25	12.6	106
258	Yoshiki Hotta's influence. *Journal of Neurogenetics*, **2012**, 26, 3-4	1.6	
257	Contribution of visual and circadian neural circuits to memory for prolonged mating induced by rivals. *Nature Neuroscience*, **2012**, 15, 876-83	25.5	33
256	Voltage-gated potassium channel EAG2 controls mitotic entry and tumor growth in medulloblastoma via regulating cell volume dynamics. *Genes and Development*, **2012**, 26, 1780-96	12.6	54
255	Bidirectional regulation of dendritic voltage-gated potassium channels by the fragile X mental retardation protein. *Neuron*, **2011**, 72, 630-42	13.9	113
254	Light-induced structural and functional plasticity in Drosophila larval visual system. *Science*, **2011**, 333, 1458-62	33.3	69
253	Neuronal remodeling and apoptosis require VCP-dependent degradation of the apoptosis inhibitor DIAP1. *Development (Cambridge)*, **2011**, 138, 1153-60	6.6	59
252	Dronc caspase exerts a non-apoptotic function to restrain phospho-Numb-induced ectopic neuroblast formation in Drosophila. *Development (Cambridge)*, **2011**, 138, 2185-96	6.6	28
251	Differential regulation of dendritic and axonal development by the novel Krüppel-like factor Dar1. *Journal of Neuroscience*, **2011**, 31, 3309-19	6.6	39
250	Enhancer-driven membrane markers for analysis of nonautonomous mechanisms reveal neuron-glia interactions in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9673-8	11.5	174
249	Ets transcription factor Pointed promotes the generation of intermediate neural progenitors in Drosophila larval brains. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20615-20	11.5	62
248	Pathogenic polyglutamine proteins cause dendrite defects associated with specific actin cytoskeletal alterations in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 16795-800	11.5	40
247	Branching out: mechanisms of dendritic arborization. *Nature Reviews Neuroscience*, **2010**, 11, 316-28	13.5	499
246	Light-avoidance-mediating photoreceptors tile the Drosophila larval body wall. *Nature*, **2010**, 468, 921-6	50.4	320

245	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, 11074-9	11.5	107
244	The role of the TRP channel NompC in Drosophila larval and adult locomotion. *Neuron*, **2010**, 67, 373-80	13.9	160
243	G protein-activated inwardly rectifying potassium channels mediate depotentiation of long-term potentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 635-40	11.5	90
242	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, 21413-8	11.5	247
241	Neuronal activity regulates phosphorylation-dependent surface delivery of G protein-activated inwardly rectifying potassium channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 629-34	11.5	87
240	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, 6363-8	11.5	102
239	Dividing glial cells maintain differentiated properties including complex morphology and functional synapses. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 328-33	11.5	88
238	Control of the postmating behavioral switch in Drosophila females by internal sensory neurons. *Neuron*, **2009**, 61, 519-26	13.9	210
237	Mammalian Par3 regulates progenitor cell asymmetric division via notch signaling in the developing neocortex. *Neuron*, **2009**, 63, 189-202	13.9	271
236	The microRNA bantam functions in epithelial cells to regulate scaling growth of dendrite arbors in drosophila sensory neurons. *Neuron*, **2009**, 63, 788-802	13.9	130
235	Patterning and organization of motor neuron dendrites in the Drosophila larva. *Developmental Biology*, **2009**, 336, 213-21	3.1	38
234	Dynein is required for polarized dendritic transport and uniform microtubule orientation in axons. *Nature Cell Biology*, **2008**, 10, 1172-80	23.4	230
233	Expression cloning of TMEM16A as a calcium-activated chloride channel subunit. *Cell*, **2008**, 134, 1019-29	56.2	893
232	Retrospective: Seymour Benzer (1921-2007). *Science*, **2008**, 319, 45	33.3	5
231	Drosophila let-7 microRNA is required for remodeling of the neuromusculature during metamorphosis. *Genes and Development*, **2008**, 22, 1591-6	12.6	177
230	The Tsc1-Tsc2 complex influences neuronal polarity by modulating TORC1 activity and SAD levels. *Genes and Development*, **2008**, 22, 2447-53	12.6	16
229	Efficient ends-out gene targeting in Drosophila. *Genetics*, **2008**, 180, 703-7	4	80
228	Drosophila egg-laying site selection as a system to study simple decision-making processes. *Science*, **2008**, 319, 1679-83	33.3	257

227	An obligatory role of mind bomb-1 in notch signaling of mammalian development. *PLoS ONE*, **2007**, 2, e1221	3.7	96
226	Numb and Numbl are required for maintenance of cadherin-based adhesion and polarity of neural progenitors. *Nature Neuroscience*, **2007**, 10, 819-27	25.5	267
225	Structure prediction for the down state of a potassium channel voltage sensor. *Nature*, **2007**, 445, 550-3	50.4	63
224	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, 5199-204	11.5	129
223	Identification of yeast proteins necessary for cell-surface function of a potassium channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 18079-84	11.5	44
222	Polycomb genes interact with the tumor suppressor genes hippo and warts in the maintenance of Drosophila sensory neuron dendrites. *Genes and Development*, **2007**, 21, 956-72	12.6	56
221	Drosophila sensory neurons require Dscam for dendritic self-avoidance and proper dendritic field organization. *Neuron*, **2007**, 54, 403-16	13.9	205
220	Microtubule plus-end-tracking proteins target gap junctions directly from the cell interior to adherens junctions. *Cell*, **2007**, 128, 547-60	56.2	374
219	Growing dendrites and axons differ in their reliance on the secretory pathway. *Cell*, **2007**, 130, 717-29	56.2	293
218	Mechanisms that regulate establishment, maintenance, and remodeling of dendritic fields. *Annual Review of Neuroscience*, **2007**, 30, 399-423	17	210
217	The coiled-coil protein shrub controls neuronal morphogenesis in Drosophila. *Current Biology*, **2006**, 16, 1006-11	6.3	100
216	SK channels mediate NADPH oxidase-independent reactive oxygen species production and apoptosis in granulocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17548-53	11.5	56
215	Activity- and mTOR-dependent suppression of Kv1.1 channel mRNA translation in dendrites. *Science*, **2006**, 314, 144-8	33.3	216
214	The bHLH-PAS protein Spineless is necessary for the diversification of dendrite morphology of Drosophila dendritic arborization neurons. *Genes and Development*, **2006**, 20, 2806-19	12.6	93
213	Genome-wide analyses identify transcription factors required for proper morphogenesis of Drosophila sensory neuron dendrites. *Genes and Development*, **2006**, 20, 820-35	12.6	156
212	Electrostatic interactions in the channel cavity as an important determinant of potassium channel selectivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14355-60	11.5	35
211	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, 8870-5	11.5	151
210	K+ channel selectivity depends on kinetic as well as thermodynamic factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14361-6	11.5	24

209	Postnatal deletion of Numb/Numblike reveals repair and remodeling capacity in the subventricular neurogenic niche. *Cell*, **2006**, 127, 1253-64	56.2	173
208	Visualizing the breaking of symmetry. *Developmental Cell*, **2006**, 10, 411-2	10.2	1
207	Modulation of basal and receptor-induced GIRK potassium channel activity and neuronal excitability by the mammalian PINS homolog LGN. *Neuron*, **2006**, 50, 561-73	13.9	52
206	Drosophila neuroblast asymmetric cell division: recent advances and implications for stem cell biology. *Neuron*, **2006**, 51, 13-20	13.9	136
205	Identification of E2/E3 ubiquitinating enzymes and caspase activity regulating Drosophila sensory neuron dendrite pruning. *Neuron*, **2006**, 51, 283-90	13.9	214
204	The microtubule plus-end tracking protein EB1 is required for Kv1 voltage-gated K+ channel axonal targeting. *Neuron*, **2006**, 52, 803-16	13.9	110
203	The tumour suppressor Hippo acts with the NDR kinases in dendritic tiling and maintenance. *Nature* , **2006**, 443, 210-3	50.4	163
202	Mammalian electrophysiology on a microfluidic platform. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 9112-7	11.5	145
201	Common molecular pathways mediate long-term potentiation of synaptic excitation and slow synaptic inhibition. *Cell*, **2005**, 123, 105-18	56.2	126
200	The S4 voltage sensor packs against the pore domain in the KAT1 voltage-gated potassium channel. *Neuron*, **2005**, 47, 395-406	13.9	46
199	The development of neuronal morphology in insects. *Current Biology*, **2005**, 15, R730-8	6.3	32
198	The cadherin superfamily and dendrite development. *Trends in Cell Biology*, **2005**, 15, 64-7	18.3	20
197	Regulation of membrane localization of Sanpodo by lethal giant larvae and neuralized in asymmetrically dividing cells of Drosophila sensory organs. *Molecular Biology of the Cell*, **2005**, 16, 3480-7	3.5	40
196	The ubiquitin ligase Drosophila Mind bomb promotes Notch signaling by regulating the localization and activity of Serrate and Delta. *Development (Cambridge)*, **2005**, 132, 2319-32	6.6	128
195	Function and regulation of Tumbleweed (RacGAP50C) in neuroblast proliferation and neuronal morphogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 3834-9	11.5	46
194	A fluorescent probe designed for studying protein conformational change. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 965-70	11.5	95
193	Identification by mass spectrometry and functional characterization of two phosphorylation sites of KCNQ2/KCNQ3 channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 17828-33	11.5	30
192	The Notch regulator Numb links the Notch and TCR signaling pathways. *Journal of Immunology*, **2005**, 174, 890-7	5.3	50

191	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, 15230-5	11.5	170
190	Targeted deletion of numb and numblike in sensory neurons reveals their essential functions in axon arborization. *Genes and Development*, **2005**, 19, 138-51	12.6	42
189	A quantitative assessment of models for voltage-dependent gating of ion channels. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 17640-5	11.5	74
188	Conversion of neurons and glia to external-cell fates in the external sensory organs of Drosophila hamlet mutants by a cousin-cousin cell-type respecification. *Genes and Development*, **2004**, 18, 623-8	12.6	24
187	Control of dendrite arborization by an Ig family member, dendrite arborization and synapse maturation 1 (Dasm1). *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13341-5	11.5	37
186	Evolving potassium channels by means of yeast selection reveals structural elements important for selectivity. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4441-6	11.5	36
185	The immunoglobulin family member dendrite arborization and synapse maturation 1 (Dasm1) controls excitatory synapse maturation. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13346-51	11.5	36
184	NO stimulation of ATP-sensitive potassium channels: Involvement of Ras/mitogen-activated protein kinase pathway and contribution to neuroprotection. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7799-804	11.5	62
183	Comparing genomic expression patterns across species identifies shared transcriptional profile in aging. *Nature Genetics*, **2004**, 36, 197-204	36.3	362
182	Dendritic development: lessons from Drosophila and related branches. *Current Opinion in Neurobiology*, **2004**, 14, 74-82	7.6	47
181	Nanos and Pumilio are essential for dendrite morphogenesis in Drosophila peripheral neurons. *Current Biology*, **2004**, 14, 314-21	6.3	183
180	APC and GSK-3beta are involved in mPar3 targeting to the nascent axon and establishment of neuronal polarity. *Current Biology*, **2004**, 14, 2025-32	6.3	222
179	Asymmetric cell division. *Current Opinion in Cell Biology*, **2004**, 16, 195-205	9	195
178	Control of dendritic branching and tiling by the Tricornered-kinase/Furry signaling pathway in Drosophila sensory neurons. *Cell*, **2004**, 119, 245-56	56.2	190
177	Molecular Properties of Ion Channels **2004**, 141-160		
176	Distinct roles of Bazooka and Stardust in the specification of Drosophila photoreceptor membrane architecture. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12712-7	11.5	76
175	A conserved domain in axonal targeting of Kv1 (Shaker) voltage-gated potassium channels. *Science*, **2003**, 301, 646-9	33.3	132
174	Dendrites of distinct classes of Drosophila sensory neurons show different capacities for homotypic repulsion. *Current Biology*, **2003**, 13, 618-26	6.3	212

173	Lethal giant larvae acts together with numb in notch inhibition and cell fate specification in the Drosophila adult sensory organ precursor lineage. *Current Biology*, **2003**, 13, 778-83	6.3	48
172	Conserved and divergent functions of Drosophila atonal, amphibian, and mammalian Ath5 genes. *Evolution & Development*, **2003**, 5, 532-41	2.6	15
171	A lethal giant kinase in cell polarity. *Nature Cell Biology*, **2003**, 5, 273-4	23.4	6
170	Bazooka is a permissive factor for the invasive behavior of discs large tumor cells in Drosophila ovarian follicular epithelia. *Development (Cambridge)*, **2003**, 130, 1927-35	6.6	45
169	Hippocampal neuronal polarity specified by spatially localized mPar3/mPar6 and PI 3-kinase activity. *Cell*, **2003**, 112, 63-75	56.2	511
168	Different levels of the homeodomain protein cut regulate distinct dendrite branching patterns of Drosophila multidendritic neurons. *Cell*, **2003**, 112, 805-18	56.2	250
167	ATP-sensitive potassium channel traffic regulation by adenosine and protein kinase C. *Neuron*, **2003** , 38, 417-32	13.9	104
166	Drosophila pod-1 crosslinks both actin and microtubules and controls the targeting of axons. *Neuron*, **2003**, 39, 779-91	13.9	49
165	The control of dendrite development. *Neuron*, **2003**, 40, 229-42	13.9	267
164	Inactivation of Numb and Numblike in embryonic dorsal forebrain impairs neurogenesis and disrupts cortical morphogenesis. *Neuron*, **2003**, 40, 1105-18	13.9	167
163	The Drosophila myosin VI Jaguar is required for basal protein targeting and correct spindle orientation in mitotic neuroblasts. *Developmental Cell*, **2003**, 4, 273-81	10.2	99
162	salvador--The persistence of proliferation. *Cancer Cell*, **2002**, 2, 171-3	24.3	3
161	Tetralogy of fallot and other congenital heart defects in Hey2 mutant mice. *Current Biology*, **2002**, 12, 1605-10	6.3	159
160	Variations on the Notch pathway in neural development. *Current Opinion in Neurobiology*, **2002**, 12, 64-70	9.6	84
159	Progenitor cell maintenance requires numb and numblike during mouse neurogenesis. *Nature*, **2002**, 419, 929-34	50.4	269
158	hamlet, a binary genetic switch between single- and multiple- dendrite neuron morphology. *Science* , **2002**, 297, 1355-8	33.3	107
157	Probing protein electrostatics with a synthetic fluorescent amino acid. *Science*, **2002**, 296, 1700-3	33.3	355
156	Diverse trafficking patterns due to multiple traffic motifs in G protein-activated inwardly rectifying potassium channels from brain and heart. *Neuron*, **2002**, 33, 715-29	13.9	182

155	Tiling of the Drosophila epidermis by multidendritic sensory neurons. *Development (Cambridge)*, **2002**, 129, 2867-2878	6.6	385
154	Asymmetric Numb distribution is critical for asymmetric cell division of mouse cerebral cortical stem cells and neuroblasts. *Development (Cambridge)*, **2002**, 129, 4843-4853	6.6	264
153	Tiling of the Drosophila epidermis by multidendritic sensory neurons. *Development (Cambridge)*, **2002**, 129, 2867-78	6.6	270
152	Drosophila Stardust interacts with Crumbs to control polarity of epithelia but not neuroblasts. *Nature*, **2001**, 414, 634-8	50.4	206
151	Two types of asymmetric divisions in the Drosophila sensory organ precursor cell lineage. *Nature Cell Biology*, **2001**, 3, 58-67	23.4	93
150	Adherens junctions inhibit asymmetric division in the Drosophila epithelium. *Nature*, **2001**, 409, 522-5	50.4	212
149	PAR-1 is a Dishevelled-associated kinase and a positive regulator of Wnt signalling. *Nature Cell Biology*, **2001**, 3, 628-36	23.4	206
148	Asymmetric cell division in the Drosophila nervous system. *Nature Reviews Neuroscience*, **2001**, 2, 772-9	13.5	120
147	Drosophila par-1 is required for oocyte differentiation and microtubule organization. *Current Biology*, **2001**, 11, 75-87	6.3	126
146	Positional cloning of heart and soul reveals multiple roles for PKC lambda in zebrafish organogenesis. *Current Biology*, **2001**, 11, 1492-502	6.3	247
145	Controlling potassium channel activities: Interplay between the membrane and intracellular factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 11016-23	11.5	69
144	Bazooka and atypical protein kinase C are required to regulate oocyte differentiation in the Drosophila ovary. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14475-80	11.5	77
143	Function of GB1 and GB2 subunits in G protein coupling of GABA(B) receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14649-54	11.5	163
142	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, 2431-6	11.5	146
141	Bazooka is required for localization of determinants and controlling proliferation in the sensory organ precursor cell lineage in Drosophila. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14469-74	11.5	39
140	Dendrites. *Genes and Development*, **2001**, 15, 2627-41	12.6	61
139	Ethanol hypersensitivity and olfactory discrimination defect in mice lacking a homolog of Drosophila neuralized. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 9907-12	11.5	53
138	Ligand-induced signal transduction within heterodimeric GABA(B) receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14643-8	11.5	87

137	Role of ER export signals in controlling surface potassium channel numbers. *Science*, **2001**, 291, 316-9	33.3	329
136	Sequoia, a tramtrack-related zinc finger protein, functions as a pan-neural regulator for dendrite and axon morphogenesis in Drosophila. *Developmental Cell*, **2001**, 1, 667-77	10.2	47
135	Yeast screen for constitutively active mutant G protein-activated potassium channels. *Neuron*, **2001**, 29, 657-67	13.9	119
134	Expression Profile of Aging and Oxidative Stress Response in. *Scientific World Journal, The*, **2001**, 1, 138	2.2	
133	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, 9529-40	6.6	228
132	Heartfelt crosstalk: desensitization of the GIRK current. *Nature Cell Biology*, **2000**, 2, E165-7	23.4	15
131	Staufen: a common component of mRNA transport in oocytes and neurons?. *Trends in Cell Biology*, **2000**, 10, 220-4	18.3	85
130	Regulation of ATP-sensitive potassium channel function by protein kinase A-mediated phosphorylation in transfected HEK293 cells. *EMBO Journal*, **2000**, 19, 942-55	13	93
129	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, 4914-9	11.5	168
128	Ectopic scute induces Drosophila ommatidia development without R8 founder photoreceptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 6815-9	11.5	19
127	Control of cell divisions in the nervous system: symmetry and asymmetry. *Annual Review of Neuroscience*, **2000**, 23, 531-56	17	112
126	Genome-wide study of aging and oxidative stress response in Drosophila melanogaster. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 13726-31	11.5	263
125	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, 6844-9	11.5	167
124	A trafficking checkpoint controls GABA(B) receptor heterodimerization. *Neuron*, **2000**, 27, 97-106	13.9	592
123	Control of dendritic field formation in Drosophila: the roles of flamingo and competition between homologous neurons. *Neuron*, **2000**, 28, 91-101	13.9	164
122	Molecular basis for K(ATP) assembly: transmembrane interactions mediate association of a K+ channel with an ABC transporter. *Neuron*, **2000**, 26, 155-67	13.9	143
121	The polar T1 interface is linked to conformational changes that open the voltage-gated potassium channel. *Cell*, **2000**, 102, 657-70	56.2	159
120	An artificial tetramerization domain restores efficient assembly of functional Shaker channels lacking T1. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 3591-5	11.5	54

119	A gain-of-function screen for genes that affect the development of the Drosophila adult external sensory organ. *Genetics*, **2000**, 155, 733-52	4	83
118	Conservation of neurogenic genes and mechanisms. *Current Opinion in Neurobiology*, **1999**, 9, 582-8	7.6	55
117	Deletion analysis of the Drosophila Inscuteable protein reveals domains for cortical localization and asymmetric localization. *Current Biology*, **1999**, 9, 155-8	6.3	50
116	A new ER trafficking signal regulates the subunit stoichiometry of plasma membrane K(ATP) channels. *Neuron*, **1999**, 22, 537-48	13.9	914
115	Presenilins, processing of beta-amyloid precursor protein, and notch signaling. *Neuron*, **1999**, 23, 201-4	13.9	59
114	Transmembrane structure of an inwardly rectifying potassium channel. *Cell*, **1999**, 96, 879-91	56.2	141
113	Genes regulating dendritic outgrowth, branching, and routing in Drosophila. *Genes and Development*, **1999**, 13, 2549-61	12.6	267
112	Asymmetric cell division. *Nature*, **1998**, 392, 775-8	50.4	243
111	Partner of Numb colocalizes with Numb during mitosis and directs Numb asymmetric localization in Drosophila neural and muscle progenitors. *Cell*, **1998**, 95, 225-35	56.2	174
110	Numb-associated kinase interacts with the phosphotyrosine binding domain of Numb and antagonizes the function of Numb in vivo. *Molecular and Cellular Biology*, **1998**, 18, 598-607	4.8	65
109	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, 11727-32	11.5	114
108	Presynaptic localization of Kv1.4-containing A-type potassium channels near excitatory synapses in the hippocampus. *Journal of Neuroscience*, **1998**, 18, 965-74	6.6	121
107	The determination of the neuronal phenotype **1998**, 26-63		7
106	Genghis Khan (Gek) as a putative effector for Drosophila Cdc42 and regulator of actin polymerization. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 12963-8	11.5	63
105	Receptor-regulated ion channels. *Current Opinion in Cell Biology*, **1997**, 9, 155-60	9	39
104	Rho family GTP-binding proteins in growth cone signalling. *Current Opinion in Neurobiology*, **1997**, 7, 81-6	7.6	173
103	Xath5 participates in a network of bHLH genes in the developing Xenopus retina. *Neuron*, **1997**, 19, 981-94	13.9	239
102	Regulation of IRK3 inward rectifier K+ channel by m1 acetylcholine receptor and intracellular magnesium. *Cell*, **1997**, 89, 1121-32	56.2	54

101	Miranda is required for the asymmetric localization of Prospero during mitosis in Drosophila. *Cell*, **1997**, 90, 449-58	56.2	244
100	Binding of the G protein betagamma subunit to multiple regions of G protein-gated inward-rectifying K+ channels. *FEBS Letters*, **1997**, 405, 291-8	3.8	115
99	Defective gamma-aminobutyric acid type B receptor-activated inwardly rectifying K+ currents in cerebellar granule cells isolated from weaver and Girk2 null mutant mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 12210-7	11.5	102
98	Stabilization of ion selectivity filter by pore loop ion pairs in an inwardly rectifying potassium channel. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 1568-72	11.5	98
97	The N terminus of the Drosophila Numb protein directs membrane association and actin-dependent asymmetric localization. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 13005-10	11.5	90
96	Voltage-gated and inwardly rectifying potassium channels. *Journal of Physiology*, **1997**, 505 (Pt 2), 267-82	3.9	165
95	Pre-empting the arrival of a dark lord. *Nature*, **1997**, 389, 665	50.4	2
94	Requirement for EGF receptor signalling in neural recruitment during formation of Drosophila chordotonal sense organ clusters. *Current Biology*, **1997**, 7, 166-75	6.3	77
93	Cloned potassium channels from eukaryotes and prokaryotes. *Annual Review of Neuroscience*, **1997**, 20, 91-123	17	471
92	frazzled encodes a Drosophila member of the DCC immunoglobulin subfamily and is required for CNS and motor axon guidance. *Cell*, **1996**, 87, 197-204	56.2	375
91	Dacapo, a cyclin-dependent kinase inhibitor, stops cell proliferation during Drosophila development. *Cell*, **1996**, 87, 1225-35	56.2	282
90	Regions responsible for the assembly of inwardly rectifying potassium channels. *Cell*, **1996**, 87, 857-68	56.2	141
89	Functional effects of the mouse weaver mutation on G protein-gated inwardly rectifying K+ channels. *Neuron*, **1996**, 16, 321-31	13.9	241
88	Control of daughter cell fates during asymmetric division: interaction of Numb and Notch. *Neuron*, **1996**, 17, 27-41	13.9	583
87	Asymmetric localization of a mammalian numb homolog during mouse cortical neurogenesis. *Neuron*, **1996**, 17, 43-53	13.9	420
86	Heteromultimerization of G-protein-gated inwardly rectifying K+ channel proteins GIRK1 and GIRK2 and their altered expression in weaver brain. *Journal of Neuroscience*, **1996**, 16, 7137-50	6.6	220
85	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, 11925-32	11.5	262
84	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, 13239-44	11.5	112

83	Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines. *Nature*, **1996**, 379, 837-40	50.4	401
82	Role of inscuteable in orienting asymmetric cell divisions in Drosophila. *Nature*, **1996**, 383, 50-5	50.4	340
81	Asymmetric segregation of Numb and Prospero during cell division. *Nature*, **1995**, 377, 624-7	50.4	435
80	Clustering of Shaker-type K+ channels by interaction with a family of membrane-associated guanylate kinases. *Nature*, **1995**, 378, 85-8	50.4	897
79	CDC42 and Rac1 control different actin-dependent processes in the Drosophila wing disc epithelium. *Journal of Cell Biology*, **1995**, 131, 151-64	7.3	172
78	Assembly of voltage-gated potassium channels. Conserved hydrophilic motifs determine subfamily-specific interactions between the alpha-subunits. *Journal of Biological Chemistry*, **1995**, 270, 24761-8	5.4	153
77	Determination of the subunit stoichiometry of an inwardly rectifying potassium channel. *Neuron*, **1995**, 15, 1441-7	13.9	214
76	Mutations that affect the length, fasciculation, or ventral orientation of specific sensory axons in the Drosophila embryo. *Neuron*, **1995**, 15, 273-86	13.9	86
75	Evidence that direct binding of G beta gamma to the GIRK1 G protein-gated inwardly rectifying K+ channel is important for channel activation. *Neuron*, **1995**, 15, 1133-43	13.9	298
74	Identification of structural elements involved in G protein gating of the GIRK1 potassium channel. *Neuron*, **1995**, 15, 1145-56	13.9	111
73	Maggot's hair and bug's eye: role of cell interactions and intrinsic factors in cell fate specification. *Neuron*, **1995**, 14, 1-5	13.9	157
72	tramtrack acts downstream of numb to specify distinct daughter cell fates during asymmetric cell divisions in the Drosophila PNS. *Neuron*, **1995**, 14, 913-25	13.9	101
71	Control of rectification and permeation by residues in two distinct domains in an inward rectifier K+ channel. *Neuron*, **1995**, 14, 1047-54	13.9	285
70	The molecular organization of voltage-dependent K+ channels in vivo. *Progress in Brain Research*, **1995**, 105, 87-93	2.9	17
69	Primary structure and functional expression of a mouse inward rectifier K+ channel and rat G-protein-coupled muscarinic K+ channel.. *Japanese Journal of Electrocardiology*, **1995**, 15, 106-113	0	
68	Multiple Roles for Proneural Genes in Drosophila Neurogenesis **1995**, 97-104		3
67	Genetic control of cell fate specification in Drosophila peripheral nervous system. *Annual Review of Genetics*, **1994**, 28, 373-93	14.5	140
66	The role of gene cassettes in axis formation during Drosophila oogenesis. *Trends in Genetics*, **1994**, 10, 89-94	8.5	35

65	Evidence that the S6 segment of the Shaker voltage-gated K+ channel comprises part of the pore. *Nature*, **1994**, 367, 179-82	50.4	171
64	Changing subunit composition of heteromeric NMDA receptors during development of rat cortex. *Nature*, **1994**, 368, 144-7	50.4	1109
63	Atonal is the proneural gene for Drosophila photoreceptors. *Nature*, **1994**, 369, 398-400	50.4	432
62	Activation of the cloned muscarinic potassium channel by G protein beta gamma subunits. *Nature*, **1994**, 370, 143-6	50.4	446
61	Potassium channels and their evolving gates. *Nature*, **1994**, 371, 119-22	50.4	277
60	Images of purified Shaker potassium channels. *Current Biology*, **1994**, 4, 110-5	6.3	106
59	Transient posterior localization of a kinesin fusion protein reflects anteroposterior polarity of the Drosophila oocyte. *Current Biology*, **1994**, 4, 289-300	6.3	269
58	Asymmetric distribution of numb protein during division of the sensory organ precursor cell confers distinct fates to daughter cells. *Cell*, **1994**, 76, 477-91	56.2	650
57	Genomic cloning and chromosomal localization of HRY, the human homolog to the Drosophila segmentation gene, hairy. *Genomics*, **1994**, 20, 56-61	4.3	31
56	Neuronal cell fate specification in Drosophila. *Current Opinion in Neurobiology*, **1994**, 4, 8-13	7.6	79
55	The S4-S5 loop contributes to the ion-selective pore of potassium channels. *Neuron*, **1993**, 11, 739-49	13.9	119
54	Spatially localized rhomboid is required for establishment of the dorsal-ventral axis in Drosophila oogenesis. *Cell*, **1993**, 73, 953-65	56.2	139
53	atonal is a proneural gene that directs chordotonal organ formation in the Drosophila peripheral nervous system. *Cell*, **1993**, 73, 1307-21	56.2	478
52	HLH proteins, fly neurogenesis, and vertebrate myogenesis. *Cell*, **1993**, 75, 827-30	56.2	396
51	Assembly of potassium channels. *Annals of the New York Academy of Sciences*, **1993**, 707, 51-9	6.5	7
50	A late role for a subset of neurogenic genes to limit sensory precursor recruitments in Drosophila embryos. *Rouxs Archives of Developmental Biology*, **1993**, 202, 371-381		8
49	Tracing neurons with a kinesin-□galactosidase fusion protein. *Rouxs Archives of Developmental Biology*, **1993**, 202, 112-122		42
48	Primary structure and functional expression of a rat G-protein-coupled muscarinic potassium channel. *Nature*, **1993**, 364, 802-6	50.4	581

47	Presynaptic A-current based on heteromultimeric K+ channels detected in vivo. *Nature*, **1993**, 365, 72-5	50.4	322
46	A new factor related to TATA-binding protein has highly restricted expression patterns in Drosophila. *Nature*, **1993**, 361, 557-61	50.4	114
45	Primary structure and functional expression of a mouse inward rectifier potassium channel. *Nature*, **1993**, 362, 127-33	50.4	976
44	Neuronal specification. *Current Opinion in Genetics and Development*, **1992**, 2, 608-13	4.9	15
43	Tracing the roots of ion channels. *Cell*, **1992**, 69, 715-8	56.2	224
42	Subcellular segregation of two A-type K+ channel proteins in rat central neurons. *Neuron*, **1992**, 9, 271-84	13.9	419
41	Differential expression of K+ channel mRNAs in the rat brain and down-regulation in the hippocampus following seizures. *Neuron*, **1992**, 8, 1055-67	13.9	175
40	deadpan, an essential pan-neural gene encoding an HLH protein, acts as a denominator in Drosophila sex determination. *Cell*, **1992**, 70, 911-22	56.2	121
39	The germ cell-less gene product: a posteriorly localized component necessary for germ cell development in Drosophila. *Cell*, **1992**, 70, 569-84	56.2	161
38	Studying Drosophila embryogenesis with P-lacZ enhancer trap lines. *Rouxs Archives of Developmental Biology*, **1992**, 201, 194-220		108
37	Alteration of voltage-dependence of Shaker potassium channel by mutations in the S4 sequence. *Nature*, **1991**, 349, 305-10	50.4	483
36	Putative receptor for the cytoplasmic inactivation gate in the Shaker K+ channel. *Nature*, **1991**, 353, 86-90	50.4	313
35	Characterization of a mammalian cDNA for an inactivating voltage-sensitive K+ channel. *Neuron*, **1991**, 7, 471-83	13.9	196
34	Role of neurogenic genes in establishment of follicle cell fate and oocyte polarity during oogenesis in Drosophila. *Cell*, **1991**, 66, 433-49	56.2	325
33	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, 941-53	56.2	341
32	Evidence for the formation of heteromultimeric potassium channels in Xenopus oocytes. *Nature*, **1990**, 345, 530-4	50.4	427
31	A superfamily of ion channels. *Nature*, **1990**, 345, 672	50.4	246
30	Immunological characterization of K+ channel components from the Shaker locus and differential distribution of splicing variants in Drosophila. *Neuron*, **1990**, 4, 119-27	13.9	54

29	Genes required for specifying cell fates in Drosophila embryonic sensory nervous system. *Trends in Neurosciences*, **1990**, 13, 493-8	13.3	121
28	How might the diversity of potassium channels be generated?. *Trends in Neurosciences*, **1990**, 13, 415-9	13.3	174
27	Neurogenesis of the peripheral nervous system in Drosophila embryos: DNA replication patterns and cell lineages. *Neuron*, **1989**, 3, 21-32	13.9	229
26	numb, a gene required in determination of cell fate during sensory organ formation in Drosophila embryos. *Cell*, **1989**, 58, 349-60	56.2	441
25	Voltage-sensitive ion channels. *Cell*, **1989**, 56, 13-25	56.2	306
24	Interactions between heterologous helix-loop-helix proteins generate complexes that bind specifically to a common DNA sequence. *Cell*, **1989**, 58, 537-44	56.2	1661
23	The determination of sense organs in Drosophila: interaction of scute with daughterless. *Rouxs Archives of Developmental Biology*, **1988**, 197, 419-423		54
22	Expression of functional potassium channels from Shaker cDNA in Xenopus oocytes. *Nature*, **1988**, 331, 143-5	50.4	346
21	Cloning of a probable potassium channel gene from mouse brain. *Nature*, **1988**, 332, 837-9	50.4	276
20	Primary structure and expression of a product from cut, a locus involved in specifying sensory organ identity in Drosophila. *Nature*, **1988**, 333, 629-35	50.4	255
19	A protein component of Drosophila polar granules is encoded by vasa and has extensive sequence similarity to ATP-dependent helicases. *Cell*, **1988**, 55, 577-87	56.2	523
18	Four cDNA clones from the Shaker locus of Drosophila induce kinetically distinct A-type potassium currents in Xenopus oocytes. *Neuron*, **1988**, 1, 659-67	13.9	162
17	Multiple potassium-channel components are produced by alternative splicing at the Shaker locus in Drosophila. *Nature*, **1988**, 331, 137-42	50.4	452
16	daughterless, a Drosophila gene essential for both neurogenesis and sex determination, has sequence similarities to myc and the achaete-scute complex. *Cell*, **1988**, 55, 1061-7	56.2	426
15	Identification and purification of an irreversible presynaptic neurotoxin from the venom of the spider Hololena curta. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 3506-10	11.5	35
14	Transformation of sensory organs by mutations of the cut locus of D. melanogaster. *Cell*, **1987**, 51, 293-307	56.2	242
13	Morphological differentiation of the embryonic peripheral neurons in Drosophila. *Rouxs Archives of Developmental Biology*, **1987**, 196, 69-77		193
12	Sensory neurons and peripheral pathways in Drosophila embryos. *Rouxs Archives of Developmental Biology*, **1986**, 195, 281-289		138

11	Muscle connections between imaginal discs in Drosophila. *Developmental Biology*, **1986**, 113, 288-94	3.1	4
10	A substance P-like peptide in bullfrog autonomic nerve terminals: anatomy biochemistry and physiology. *Neuroscience*, **1986**, 19, 343-56	3.9	51
9	The LHRH family of peptide messengers in the frog nervous system. *Progress in Brain Research*, **1986**, 68, 205-15	2.9	13
8	Chapter 4 Studies of Shaker Mutations Affecting a K+ Channel in Drosophila. *Current Topics in Membranes and Transport*, **1985**, 23, 67-77		1
7	Application of drosophila molecular genetics in the study of neural function: studies of the shaker locus for a potassium channel. *Trends in Neurosciences*, **1985**, 8, 234-238	13.3	5
6	A LHRH-like peptidergic neurotransmitter capable of action at a distance in autonomic ganglia. *Trends in Neurosciences*, **1983**, 6, 320-325	13.3	80
5	Some features of peptidergic transmission. *Progress in Brain Research*, **1983**, 58, 49-59	2.9	6
4	Peptidergic transmission in sympathetic ganglia of the frog. *Journal of Physiology*, **1982**, 327, 219-46	3.9	306
3	Peptidergic transmitters in synaptic boutons of sympathetic ganglia. *Nature*, **1980**, 288, 380-2	50.4	109
2	Genetic and Immunological Studies of the Nervous System of Drosophila melanogaster. *Novartis Foundation Symposium*,221-239		1
1	Sexually satiated male uses gustatory-to-neuropeptide integrative circuits to reduce time investment for mating		1