# Lily Y Jan

List of Publications by Year
in descending order



| 287 | 51,128 | 527 | 1561 |
|---|---|---|---|
| papers | citations | 127 h-index | 217 g-index |

| 331 | 331 | 331 | 32797 |
|---|---|---|---|
| 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 | Synaptic vesicle exocytosis captured by quick freezing and correlated with quantal transmitter release.. Journal of Cell Biology, 1979, 81, 275-300. | 2.3 | 1,361 |
| 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 | 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 |
| 6 | G Protein-Coupled Inwardly Rectifying K+ Channels (GIRKs) Mediate Postsynaptic but Not Presynaptic Transmitter Actions in Hippocampal Neurons. Neuron, 1997, 19, 687-695. | 3.8 | 667 |
| 7 | Control of Daughter Cell Fates during Asymmetric Division: Interaction of Numb and Notch. Neuron, 1996, 17, 27-41. | 3.8 | 620 |
| 8 | Primary structure and functional expression of a rat G-protein-coupled muscarinic potassium channel. Nature, 1993, 364, 802-806. | 13.7 | 619 |
| 9 | Branching out: mechanisms of dendritic arborization. Nature Reviews Neuroscience, 2010, 11, 316-328. | 4.9 | 612 |
| 10 | 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 |
| 11 | Hippocampal Neuronal Polarity Specified by Spatially Localized mPar3/mPar6 and PI 3-Kinase Activity. Cell, 2003, 112, 63-75. | 13.5 | 582 |
| 12 | Alteration of voltage-dependence of Shaker potassium channel by mutations in the S4 sequence. Nature, 1991, 349, 305-310. | 13.7 | 530 |
| 13 | atonal is a proneural gene that directs chordotonal organ formation in the Drosophila peripheral nervous system. Cell, 1993, 73, 1307-1321. | 13.5 | 521 |
| 14 | Tiling of theDrosophilaepidermis by multidendritic sensory neurons. Development (Cambridge), 2002, 129, 2867-2878. | 1.2 | 506 |
| 15 | CLONED POTASSIUM CHANNELS FROM EUKARYOTES AND PROKARYOTES. Annual Review of Neuroscience, 1997, 20, 91-123. | 5.0 | 503 |
| 16 | Multiple potassiumâ€“channel components are produced by alternative splicing at the Shaker locus in Drosophila. Nature, 1988, 331, 137-142. | 13.7 | 498 |
| 17 | Properties of the larval neuromuscular junction in Drosophila melanogaster.. Journal of Physiology, 1976, 262, 189-214. | 1.3 | 497 |
| 18 | numb, a gene required in determination of cell fate during sensory organ formation in Drosophila embryos. Cell, 1989, 58, 349-360. | 13.5 | 492 |

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| 19 | Activation of the cloned muscarinic potassium channel by G protein Î²Î³ subunits. Nature, 1994, 370, 143-146. | 13.7 | 484 |
| 20 | atonal is the proneural gene for Drosophila photoreceptors. Nature, 1994, 369, 398-400. | 13.7 | 477 |
| 21 | Asymmetric segregation of Numb and Prospero during cell division. Nature, 1995, 377, 624-627. | 13.7 | 473 |
| 22 | Asymmetric Localization of a Mammalian Numb Homolog during Mouse Cortical Neurogenesis. Neuron, 1996, 17, 43-53. | 3.8 | 462 |
| 23 | Subcellular segregation of two A-type K+ channel proteins in rat central neurons. Neuron, 1992, 9, 271-284. | 3.8 | 456 |
| 24 | Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines. Nature, 1996, 379, 837-840. | 13.7 | 436 |
| 25 | Microtubule Plus-End-Tracking Proteins Target Gap Junctions Directly from the Cell Interior to Adherens Junctions. Cell, 2007, 128, 547-560. | 13.5 | 433 |
| 26 | HLH proteins, fly neurogenesis, and vertebrate myogenesis. Cell, 1993, 75, 827-830. | 13.5 | 423 |
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| 28 | The distribution and targeting of neuronal voltage-gated ion channels. Nature Reviews Neuroscience, 2006, 7, 548-562. | 4.9 | 412 |
| 29 | Molecular Basis for Interactions of G Protein Subunits with Effectors. Science, 1998, 280, 1271-1274. | 6.0 | 409 |
| 30 | Functional Dissociation of Î¼ Opioid Receptor Signaling and Endocytosis. Neuron, 1999, 23, 737-746. | 3.8 | 409 |
| 31 | Light-avoidance-mediating photoreceptors tile the Drosophila larval body wall. Nature, 2010, 468, 921-926. | 13.7 | 399 |
| 32 | Local generation of glia is a major astrocyte source in postnatal cortex. Nature, 2012, 484, 376-380. | 13.7 | 393 |
| 33 | Expression of functional potassium channels from Shaker cDNA in Xenopus oocytes. Nature, 1988, 331, 143-145. | 13.7 | 387 |
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| 35 | Role of inscuteable in orienting asymmetric cell divisions in Drosophila. Nature, 1996, 383, 50-55. | 13.7 | 375 |
| 36 | Probing Protein Electrostatics with a Synthetic Fluorescent Amino Acid. Science, 2002, 296, 1700-1703. | 6.0 | 375 |

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| 37 | 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 |
| 38 | Role of ER Export Signals in Controlling Surface Potassium Channel Numbers. Science, 2001, 291, 316-319. | 6.0 | 362 |
| 39 | International Union of Pharmacology. XLI. Compendium of Voltage-Gated Ion Channels: Potassium Channels. Pharmacological Reviews, 2003, 55, 583-586. | 7.1 | 358 |
| 40 | Lâ€glutamate as an excitatory transmitter at the Drosophila larval neuromuscular junction.. Journal of Physiology, 1976, 262, 215-236. | 1.3 | 356 |
| 41 | Peptidergic transmission in sympathetic ganglia of the frog.. Journal of Physiology, 1982, 327, 219-246. | 1.3 | 349 |
| 42 | Growing Dendrites and Axons Differ in Their Reliance on the Secretory Pathway. Cell, 2007, 130, 717-729. | 13.5 | 342 |
| 43 | Foxn4 directly regulates tbx2b expression and atrioventricular canal formation. Genes and Development, 2008, 22, 734-739. | 2.7 | 339 |
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| 45 | Drosophila Egg-Laying Site Selection as a System to Study Simple Decision-Making Processes. Science, 2008, 319, 1679-1683. | 6.0 | 320 |
| 46 | 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 |
| 47 | Immunohistochemical localization of GABAB receptors in the rat central nervous system. , 1999, 405, 299-321. | | 312 |
| 48 | Mammalian Par3 Regulates Progenitor Cell Asymmetric Division via Notch Signaling in the Developing Neocortex. Neuron, 2009, 63, 189-202. | 3.8 | 310 |
| 49 | Genes regulating dendritic outgrowth, branching, and routing in Drosophila. Genes and Development, 1999, 13, 2549-2561. | 2.7 | 306 |
| 50 | Drosophila NOMPC is a mechanotransduction channel subunit for gentle-touch sensation. Nature, 2013, 493, 221-225. | 13.7 | 304 |
| 51 | Cloning of a probable potassium channel gene from mouse brain. Nature, 1988, 332, 837-839. | 13.7 | 300 |
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| 56 | 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 |
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| 61 | Tiling of the Drosophila epidermis by multidendritic sensory neurons. Development (Cambridge), 2002, 129, 2867-78. | 1.2 | 278 |
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| 71 | Functional Effects of the Mouse weaver Mutation on G Proteinâ€“Gated Inwardly Rectifying K+ Channels. Neuron, 1996, 16, 321-331. | 3.8 | 256 |
| 72 | Neutrophil-derived microvesicles enter cartilage and protect the joint in inflammatory arthritis. Science Translational Medicine, 2015, 7, 315ra190. | 5.8 | 256 |

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| 75 | Activity- and mTOR-Dependent Suppression of Kv1.1 Channel mRNA Translation in Dendrites. Science, 2006, 314, 144-148. | 6.0 | 247 |
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| 84 | Characterization of a mammalian cDNA for an inactivating voltage-sensitive K+ channel. Neuron, 1991, 7, 471-483. | 3.8 | 211 |
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