Lijun Kang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2365480/publications.pdf

Version: 2024-02-01

35	1,400	516710 16	395702 33
papers	citations	h-index	g-index

39	39	39	1825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	C. elegans TRP Family Protein TRP-4 Is a Pore-Forming Subunit of a Native Mechanotransduction Channel. Neuron, 2010, 67, 381-391.	8.1	216
2	C. elegans phototransduction requires a G proteinâ€“dependent cGMP pathway and a taste receptor homolog. Nature Neuroscience, 2010, 13, 715-722.	14.8	171
3	Syntaxin opening by the MUN domain underlies the function of Munc13 in synaptic-vesicle priming. Nature Structural and Molecular Biology, 2015, 22, 547-554.	8.2	155
4	The neural circuits and sensory channels mediating harsh touch sensation in Caenorhabditis elegans. Nature Communications, 2011, 2, 315.	12.8	132
5	Munc13-1 is required for the sustained release of insulin from pancreatic Î² cells. Cell Metabolism, 2006, 3, 463-468.	16.2	87
6	Mitochondrial Dysfunctions Contribute to Hypertrophic Cardiomyopathy in Patient iPSC-Derived Cardiomyocytes with MT-RNR2 Mutation. Stem Cell Reports, 2018, 10, 808-821.	4.8	74
7	The C.Âelegans Taste Receptor Homolog LITE-1 Is a Photoreceptor. Cell, 2016, 167, 1252-1263.e10.	28.9	73
8	Ultrasound neuro-modulation chip: activation of sensory neurons in Caenorhabditis elegans by surface acoustic waves. Lab on A Chip, 2017, 17, 1725-1731.	6.0	71
9	Hypoxia regulates glutamate receptor trafficking through an HIF-independent mechanism. EMBO Journal, 2012, 31, 1379-1393.	7.8	51
10	TMC Proteins Modulate Egg Laying and Membrane Excitability through a Background Leak Conductance in C.Âelegans. Neuron, 2018, 97, 571-585.e5.	8.1	49
11	Decoding the intensity of sensory input by two glutamate receptors in one C. elegans interneuron. Nature Communications, 2018, 9, 4311.	12.8	39
12	Polymodal Responses in C. elegans Phasmid Neurons Rely on Multiple Intracellular and Intercellular Signaling Pathways. Scientific Reports, 2017, 7, 42295.	3.3	35
13	Ca2+Triggers a Novel Clathrin-Independent but Actin-Dependent Fast Endocytosis in Pancreatic Beta Cells. Traffic, 2008, 9, 910-923.	2.7	33
14	Sensory Glia Detect Repulsive Odorants and Drive Olfactory Adaptation. Neuron, 2020, 108, 707-721.e8.	8.1	31
15	The sperm surface localization of the TRP-3/SPE-41 Ca2+-permeable channel depends on SPE-38 function in Caenorhabditis elegans. Developmental Biology, 2012, 365, 376-383.	2.0	24
16	Distinct functions of TMC channels: a comparative overview. Cellular and Molecular Life Sciences, 2019, 76, 4221-4232.	5.4	19
17	Bifidobacterium adolescentis regulates catalase activity and host metabolism and improves healthspan and lifespan in multiple species. Nature Aging, 2021, 1, 991-1001.	11.6	18
18	In Vivo Tactile Stimulation-Evoked Responses in Caenorhabditis elegans Amphid Sheath Glia. PLoS ONE, 2015, 10, e0117114.	2.5	15

#	Article	IF	Citations
19	Ultrasound Activation of Mechanosensory Ion Channels in Caenorhabditis Elegans. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 473-479.	3.0	12
20	OSM-9 and an amiloride-sensitive channel, but not PKD-2, are involved in mechanosensation in C. elegans male ray neurons. Scientific Reports, 2018, 8, 7192.	3.3	10
21	Serotonergic neuron ADF modulates avoidance behaviors by inhibiting sensory neurons in C. elegans. Pflugers Archiv European Journal of Physiology, 2019, 471, 357-363.	2.8	10
22	A Systematic RNAi Screen Reveals a Novel Role of a Spindle Assembly Checkpoint Protein BuGZ in Synaptic Transmission in C. elegans. Frontiers in Molecular Neuroscience, 2017, 10, 141.	2.9	9
23	Molecular Crux of Hair Cell Mechanotransduction Machinery. Neuron, 2020, 107, 404-406.	8.1	8
24	Temperature regulates synaptic subcellular specificity mediated by inhibitory glutamate signaling. PLoS Genetics, 2021, 17, e1009295.	3.5	8
25	Presynaptic GÎ±o (GOA-1) signals to depress command neuron excitability and allow stretch-dependent modulation of egg laying in Caenorhabditis elegans. Genetics, 2021, 218, .	2.9	8
26	Molecular Strategies for Intensity-Dependent Olfactory Processing in Caenorhabditis elegans. Frontiers in Molecular Neuroscience, 2021, 14, 748214.	2.9	8
27	GRLD-1 regulates cell-wide abundance of glutamate receptor through post-transcriptional regulation. Nature Neuroscience, 2010, 13, 1489-1495.	14.8	7
28	Mechano-gated channels in C. elegans. Journal of Neurogenetics, 2020, 34, 363-368.	1.4	7
29	Membrane ion Channels and Receptors in Animal lifespan Modulation. Journal of Cellular Physiology, 2017, 232, 2946-2956.	4.1	5
30	The Voltage-Gated Calcium Channel EGL-19 Acts on Glia to Drive Olfactory Adaptation. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	4
31	Polymodal Functionality of C. elegans OLL Neurons in Mechanosensation and Thermosensation. Neuroscience Bulletin, 2021, 37, 611-622.	2.9	3
32	Protocol for glial Ca2+ imaging in C.Âelegans following chemical, mechanical, or optogenetic stimulation. STAR Protocols, 2022, 3, 101169.	1.2	3
33	In touch - the molecular basis of mechanosensory transduction. Biochemist, 2011, 33, 18-20.	0.5	2
34	Hypoxia regulates glutamate receptor trafficking through an HIF-independent mechanism. EMBO Journal, 2012, 31, 1618-1619.	7.8	1
35	Mechanosensation: Alpha-7 nAChR transduces sound signals in earless C.Âelegans. Neuron, 2021, 109, 3539-3541.	8.1	0