

# Lijun Kang

## List of Publications by Year in descending order

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35  
papers

1,400  
citations

516710

16  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound Activation of Mechanosensory Ion Channels in <i>Caenorhabditis Elegans</i> . IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 473-479.	3.0	12
2	Protocol for glial Ca <sup>2+</sup> imaging in <i>C.Âelegans</i> following chemical, mechanical, or optogenetic stimulation. STAR Protocols, 2022, 3, 101169.	1.2	3
3	Temperature regulates synaptic subcellular specificity mediated by inhibitory glutamate signaling. PLoS Genetics, 2021, 17, e1009295.	3.5	8
4	Polymodal Functionality of <i>C. elegans</i> OLL Neurons in Mechanosensation and Thermosensation. Neuroscience Bulletin, 2021, 37, 611-622.	2.9	3
5	Presynaptic G <sub>1</sub> o (GOA-1) signals to depress command neuron excitability and allow stretch-dependent modulation of egg laying in <i>Caenorhabditis elegans</i> . Genetics, 2021, 218, .	2.9	8
6	Molecular Strategies for Intensity-Dependent Olfactory Processing in <i>Caenorhabditis elegans</i> . Frontiers in Molecular Neuroscience, 2021, 14, 748214.	2.9	8
7	<i>Bifidobacterium adolescentis</i> regulates catalase activity and host metabolism and improves healthspan and lifespan in multiple species. Nature Aging, 2021, 1, 991-1001.	11.6	18
8	Mechanosensation: Alpha-7 nAChR transduces sound signals in earless <i>C.Âelegans</i> . Neuron, 2021, 109, 3539-3541.	8.1	0
9	Sensory Glia Detect Repulsive Odorants and Drive Olfactory Adaptation. Neuron, 2020, 108, 707-721.e8.	8.1	31
10	Molecular Crux of Hair Cell Mechanotransduction Machinery. Neuron, 2020, 107, 404-406.	8.1	8
11	Mechano-gated channels in <i>C. elegans</i> . Journal of Neurogenetics, 2020, 34, 363-368.	1.4	7
12	Distinct functions of TMC channels: a comparative overview. Cellular and Molecular Life Sciences, 2019, 76, 4221-4232.	5.4	19
13	Serotonergic neuron ADF modulates avoidance behaviors by inhibiting sensory neurons in <i>C. elegans</i> . Pflugers Archiv European Journal of Physiology, 2019, 471, 357-363.	2.8	10
14	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
15	TMC Proteins Modulate Egg Laying and Membrane Excitability through a Background Leak Conductance in <i>C.Âelegans</i> . Neuron, 2018, 97, 571-585.e5.	8.1	49
16	Decoding the intensity of sensory input by two glutamate receptors in one <i>C. elegans</i> interneuron. Nature Communications, 2018, 9, 4311.	12.8	39
17	OSM-9 and an amiloride-sensitive channel, but not PKD-2, are involved in mechanosensation in <i>C. elegans</i> male ray neurons. Scientific Reports, 2018, 8, 7192.	3.3	10
18	Membrane ion Channels and Receptors in Animal lifespan Modulation. Journal of Cellular Physiology, 2017, 232, 2946-2956.	4.1	5

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19	Polymodal Responses in <i>C. elegans</i> Phasmid Neurons Rely on Multiple Intracellular and Intercellular Signaling Pathways. <i>Scientific Reports</i> , 2017, 7, 42295.	3.3	35
20	Ultrasound neuro-modulation chip: activation of sensory neurons in <i>Caenorhabditis elegans</i> by surface acoustic waves. <i>Lab on A Chip</i> , 2017, 17, 1725-1731.	6.0	71
21	A Systematic RNAi Screen Reveals a Novel Role of a Spindle Assembly Checkpoint Protein BuGZ in Synaptic Transmission in <i>C. elegans</i> . <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 141.	2.9	9
22	The <i>C. elegans</i> Taste Receptor Homolog LITE-1 Is a Photoreceptor. <i>Cell</i> , 2016, 167, 1252-1263.e10.	28.9	73
23	Syntaxin opening by the MUN domain underlies the function of Munc13 in synaptic-vesicle priming. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 547-554.	8.2	155
24	In Vivo Tactile Stimulation-Evoked Responses in <i>Caenorhabditis elegans</i> Amphid Sheath Glia. <i>PLoS ONE</i> , 2015, 10, e0117114.	2.5	15
25	Hypoxia regulates glutamate receptor trafficking through an HIF-independent mechanism. <i>EMBO Journal</i> , 2012, 31, 1618-1619.	7.8	1
26	Hypoxia regulates glutamate receptor trafficking through an HIF-independent mechanism. <i>EMBO Journal</i> , 2012, 31, 1379-1393.	7.8	51
27	The sperm surface localization of the TRP-3/SPE-41 Ca <sup>2+</sup> -permeable channel depends on SPE-38 function in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 2012, 365, 376-383.	2.0	24
28	The neural circuits and sensory channels mediating harsh touch sensation in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2011, 2, 315.	12.8	132
29	In touch - the molecular basis of mechanosensory transduction. <i>Biochemist</i> , 2011, 33, 18-20.	0.5	2
30	<i>C. elegans</i> phototransduction requires a G protein-dependent cGMP pathway and a taste receptor homolog. <i>Nature Neuroscience</i> , 2010, 13, 715-722.	14.8	171
31	GRLD-1 regulates cell-wide abundance of glutamate receptor through post-transcriptional regulation. <i>Nature Neuroscience</i> , 2010, 13, 1489-1495.	14.8	7
32	<i>C. elegans</i> TRP Family Protein TRP-4 Is a Pore-Forming Subunit of a Native Mechanotransduction Channel. <i>Neuron</i> , 2010, 67, 381-391.	8.1	216
33	Ca <sup>2+</sup> Triggers a Novel Clathrin-Independent but Actin-Dependent Fast Endocytosis in Pancreatic Beta Cells. <i>Traffic</i> , 2008, 9, 910-923.	2.7	33
34	Munc13-1 is required for the sustained release of insulin from pancreatic $\beta^2$ cells. <i>Cell Metabolism</i> , 2006, 3, 463-468.	16.2	87
35	The Voltage-Gated Calcium Channel EGL-19 Acts on Glia to Drive Olfactory Adaptation. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	2.9	4