

Yishi Jin

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146
papers

8,399
citations

47
h-index

90
g-index

182
ext. papers

9,807
ext. citations

10.5
avg, IF

6.16
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 146 | A genetically encoded tag for correlated light and electron microscopy of intact cells, tissues, and organisms. <i>PLoS Biology</i> , 2011 , 9, e1001041 | 9.7 | 600 |
| 145 | Neurosurgery: functional regeneration after laser axotomy. <i>Nature</i> , 2004 , 432, 822 | 50.4 | 437 |
| 144 | The liprin protein SYD-2 regulates the differentiation of presynaptic termini in <i>C. elegans</i> . <i>Nature</i> , 1999 , 401, 371-5 | 50.4 | 294 |
| 143 | Intrinsic Control of Axon Regeneration. <i>Neuron</i> , 2016 , 90, 437-51 | 13.9 | 291 |
| 142 | Regulation of a DLK-1 and p38 MAP kinase pathway by the ubiquitin ligase RPM-1 is required for presynaptic development. <i>Cell</i> , 2005 , 120, 407-20 | 56.2 | 275 |
| 141 | Defective recycling of synaptic vesicles in synaptotagmin mutants of <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1995 , 378, 196-9 | 50.4 | 274 |
| 140 | The DLK-1 kinase promotes mRNA stability and local translation in <i>C. elegans</i> synapses and axon regeneration. <i>Cell</i> , 2009 , 138, 1005-18 | 56.2 | 262 |
| 139 | The <i>Caenorhabditis elegans</i> gene <i>unc-25</i> encodes glutamic acid decarboxylase and is required for synaptic transmission but not synaptic development. <i>Journal of Neuroscience</i> , 1999 , 19, 539-48 | 6.6 | 210 |
| 138 | Calcium and cyclic AMP promote axonal regeneration in <i>Caenorhabditis elegans</i> and require DLK-1 kinase. <i>Journal of Neuroscience</i> , 2010 , 30, 3175-83 | 6.6 | 207 |
| 137 | Control of type-D GABAergic neuron differentiation by <i>C. elegans</i> UNC-30 homeodomain protein. <i>Nature</i> , 1994 , 372, 780-3 | 50.4 | 203 |
| 136 | Distinct innate immune responses to infection and wounding in the <i>C. elegans</i> epidermis. <i>Current Biology</i> , 2008 , 18, 481-9 | 6.3 | 201 |
| 135 | Regulation of presynaptic terminal organization by <i>C. elegans</i> RPM-1, a putative guanine nucleotide exchanger with a RING-H2 finger domain. <i>Neuron</i> , 2000 , 26, 331-43 | 13.9 | 197 |
| 134 | UNC-16, a JNK-signaling scaffold protein, regulates vesicle transport in <i>C. elegans</i> . <i>Neuron</i> , 2001 , 32, 787-800 | 13.9 | 191 |
| 133 | LRK-1, a <i>C. elegans</i> PARK8-related kinase, regulates axonal-dendritic polarity of SV proteins. <i>Current Biology</i> , 2007 , 17, 592-8 | 6.3 | 169 |
| 132 | <i>Caenorhabditis elegans</i> neuronal regeneration is influenced by life stage, ephrin signaling, and synaptic branching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15132-7 | 11.5 | 167 |
| 131 | SYD-2 Liprin-alpha organizes presynaptic active zone formation through ELKS. <i>Nature Neuroscience</i> , 2006 , 9, 1479-87 | 25.5 | 156 |
| 130 | The SAD-1 kinase regulates presynaptic vesicle clustering and axon termination. <i>Neuron</i> , 2001 , 29, 115-23 | 13.9 | 151 |

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| 129 | Molecular mechanisms of presynaptic differentiation. <i>Annual Review of Cell and Developmental Biology</i> , 2008 , 24, 237-62 | 12.6 | 149 |
| 128 | Photo-inducible cell ablation in <i>Caenorhabditis elegans</i> using the genetically encoded singlet oxygen generating protein miniSOG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7499-504 | 11.5 | 148 |
| 127 | Axon regeneration pathways identified by systematic genetic screening in <i>C. elegans</i> . <i>Neuron</i> , 2011 , 71, 1043-57 | 13.9 | 141 |
| 126 | lin-14 regulates the timing of synaptic remodelling in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1998 , 395, 78-82 | 50.4 | 140 |
| 125 | Optogenetic inhibition of synaptic release with chromophore-assisted light inactivation (CALI). <i>Neuron</i> , 2013 , 79, 241-53 | 13.9 | 132 |
| 124 | Coordinated transcriptional regulation of the unc-25 glutamic acid decarboxylase and the unc-47 GABA vesicular transporter by the <i>Caenorhabditis elegans</i> UNC-30 homeodomain protein. <i>Journal of Neuroscience</i> , 1999 , 19, 6225-34 | 6.6 | 126 |
| 123 | . <i>Nature</i> , 1999 , 401, 371-375 | 50.4 | 116 |
| 122 | Kinesin-13 and tubulin posttranslational modifications regulate microtubule growth in axon regeneration. <i>Developmental Cell</i> , 2012 , 23, 716-28 | 10.2 | 100 |
| 121 | The AHR-1 aryl hydrocarbon receptor and its co-factor the AHA-1 aryl hydrocarbon receptor nuclear translocator specify GABAergic neuron cell fate in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2004 , 131, 819-28 | 6.6 | 100 |
| 120 | <i>C. elegans</i> RPM-1 regulates axon termination and synaptogenesis through the Rab GEF GLO-4 and the Rab GTPase GLO-1. <i>Neuron</i> , 2007 , 55, 587-601 | 13.9 | 99 |
| 119 | Roles of endosomal trafficking in neurite outgrowth and guidance. <i>Trends in Cell Biology</i> , 2009 , 19, 317-28 | 28.3 | 98 |
| 118 | The <i>Caenorhabditis elegans</i> UNC-14 RUN domain protein binds to the kinesin-1 and UNC-16 complex and regulates synaptic vesicle localization. <i>Molecular Biology of the Cell</i> , 2005 , 16, 483-96 | 3.5 | 93 |
| 117 | MAX-1, a novel PH/MyTH4/FERM domain cytoplasmic protein implicated in netrin-mediated axon repulsion. <i>Neuron</i> , 2002 , 34, 563-76 | 13.9 | 91 |
| 116 | SYD-1, a presynaptic protein with PDZ, C2 and rhoGAP-like domains, specifies axon identity in <i>C. elegans</i> . <i>Nature Neuroscience</i> , 2002 , 5, 1137-46 | 25.5 | 88 |
| 115 | The two isoforms of the <i>Caenorhabditis elegans</i> leukocyte-common antigen related receptor tyrosine phosphatase PTP-3 function independently in axon guidance and synapse formation. <i>Journal of Neuroscience</i> , 2005 , 25, 7517-28 | 6.6 | 85 |
| 114 | A neuronal acetylcholine receptor regulates the balance of muscle excitation and inhibition in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2009 , 7, e1000265 | 9.7 | 82 |
| 113 | The basement membrane components nidogen and type XVIII collagen regulate organization of neuromuscular junctions in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2003 , 23, 3577-87 | 6.6 | 82 |
| 112 | Expression profiling of GABAergic motor neurons in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2005 , 15, 340-6 | 6.3 | 82 |

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|-----|--|------|----|
| 111 | Regulation of DLK-1 kinase activity by calcium-mediated dissociation from an inhibitory isoform. <i>Neuron</i> , 2012 , 76, 534-48 | 13.9 | 75 |
| 110 | Plasma-mediated ablation: an optical tool for submicrometer surgery on neuronal and vascular systems. <i>Current Opinion in Biotechnology</i> , 2009 , 20, 90-9 | 11.4 | 60 |
| 109 | Position of UNC-13 in the active zone regulates synaptic vesicle release probability and release kinetics. <i>ELife</i> , 2013 , 2, e01180 | 8.9 | 60 |
| 108 | Palmitoylation controls DLK localization, interactions and activity to ensure effective axonal injury signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 763-8 | 11.5 | 59 |
| 107 | The C. elegans peroxidase PNX-2 is essential for embryonic morphogenesis and inhibits adult axon regeneration. <i>Development (Cambridge)</i> , 2010 , 137, 3603-13 | 6.6 | 58 |
| 106 | Intermediate filaments are required for C. elegans epidermal elongation. <i>Developmental Biology</i> , 2004 , 267, 216-29 | 3.1 | 58 |
| 105 | UNC-71, a disintegrin and metalloprotease (ADAM) protein, regulates motor axon guidance and sex myoblast migration in C. elegans. <i>Development (Cambridge)</i> , 2003 , 130, 3147-61 | 6.6 | 57 |
| 104 | Conserved function of Caenorhabditis elegans UNC-30 and mouse Pitx2 in controlling GABAergic neuron differentiation. <i>Journal of Neuroscience</i> , 2001 , 21, 6810-9 | 6.6 | 52 |
| 103 | The microtubule minus-end-binding protein patronin/PTRN-1 is required for axon regeneration in C. elegans. <i>Cell Reports</i> , 2014 , 9, 874-83 | 10.6 | 48 |
| 102 | Liprin- γ SYD-2 determines the size of dense projections in presynaptic active zones in C. elegans. <i>Journal of Cell Biology</i> , 2013 , 203, 849-63 | 7.3 | 48 |
| 101 | Excitatory motor neurons are local oscillators for backward locomotion. <i>ELife</i> , 2018 , 7, | 8.9 | 48 |
| 100 | The Genetics of Axon Guidance and Axon Regeneration in Caenorhabditis elegans. <i>Genetics</i> , 2016 , 204, 849-882 | 4 | 47 |
| 99 | C. elegans ankyrin repeat protein VAB-19 is a component of epidermal attachment structures and is essential for epidermal morphogenesis. <i>Development (Cambridge)</i> , 2003 , 130, 5791-801 | 6.6 | 45 |
| 98 | Synaptogenesis: insights from worm and fly. <i>Current Opinion in Neurobiology</i> , 2002 , 12, 71-9 | 7.6 | 45 |
| 97 | Dominant and recessive alleles of the Drosophila easter gene are point mutations at conserved sites in the serine protease catalytic domain. <i>Cell</i> , 1990 , 60, 873-81 | 56.2 | 45 |
| 96 | A Neuronal piRNA Pathway Inhibits Axon Regeneration in C. elegans. <i>Neuron</i> , 2018 , 97, 511-519.e6 | 13.9 | 42 |
| 95 | Presynaptic terminal differentiation: transport and assembly. <i>Current Opinion in Neurobiology</i> , 2004 , 14, 280-7 | 7.6 | 41 |
| 94 | Axon regeneration in C. elegans. <i>Current Opinion in Neurobiology</i> , 2014 , 27, 199-207 | 7.6 | 39 |

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|----|--|------|----|
| 93 | Genetic dissection of axon regeneration. <i>Current Opinion in Neurobiology</i> , 2011 , 21, 189-96 | 7.6 | 39 |
| 92 | TRPM channels modulate epileptic-like convulsions via systemic ion homeostasis. <i>Current Biology</i> , 2011 , 21, 883-8 | 6.3 | 38 |
| 91 | Context Specificity of Stress-activated Mitogen-activated Protein (MAP) Kinase Signaling: The Story as Told by <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 7796-804 | 5.4 | 36 |
| 90 | RAE-1, a novel PHR binding protein, is required for axon termination and synapse formation in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2012 , 32, 2628-36 | 6.6 | 35 |
| 89 | Nerve Regeneration in <i>Caenorhabditis elegans</i> After Femtosecond Laser Axotomy. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1283-1291 | 3.8 | 35 |
| 88 | Dynamic microtubules drive circuit rewiring in the absence of neurite remodeling. <i>Current Biology</i> , 2015 , 25, 1594-605 | 6.3 | 34 |
| 87 | The Liprin homology domain is essential for the homomeric interaction of SYD-2/Liprin- α protein in presynaptic assembly. <i>Journal of Neuroscience</i> , 2011 , 31, 16261-8 | 6.6 | 33 |
| 86 | Neuropeptides function in a homeostatic manner to modulate excitation-inhibition imbalance in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2013 , 9, e1003472 | 6 | 32 |
| 85 | Axon injury triggers EFA-6 mediated destabilization of axonal microtubules via TACC and doublecortin like kinase. <i>ELife</i> , 2015 , 4, | 8.9 | 32 |
| 84 | Cellular and molecular determinants targeting the <i>Caenorhabditis elegans</i> PHR protein RPM-1 to perisynaptic regions. <i>Developmental Dynamics</i> , 2008 , 237, 630-9 | 2.9 | 31 |
| 83 | Genetic analysis of synaptic target recognition and assembly. <i>Trends in Neurosciences</i> , 2004 , 27, 540-7 | 13.3 | 31 |
| 82 | Synaptogenesis. <i>WormBook</i> , 2005 , 1-11 | | 28 |
| 81 | The Cell Death Pathway Regulates Synapse Elimination through Cleavage of Gelsolin in <i>Caenorhabditis elegans</i> Neurons. <i>Cell Reports</i> , 2015 , 11, 1737-48 | 10.6 | 27 |
| 80 | The JIP3 scaffold protein UNC-16 regulates RAB-5 dependent membrane trafficking at <i>C. elegans</i> synapses. <i>Developmental Neurobiology</i> , 2009 , 69, 174-90 | 3.2 | 27 |
| 79 | A Two-Immunoglobulin-Domain Transmembrane Protein Mediates an Epidermal-Neuronal Interaction to Maintain Synapse Density. <i>Neuron</i> , 2016 , 89, 325-36 | 13.9 | 26 |
| 78 | Optogenetic mutagenesis in <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2015 , 6, 8868 | 17.4 | 26 |
| 77 | S6 kinase inhibits intrinsic axon regeneration capacity via AMP kinase in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2014 , 34, 758-63 | 6.6 | 25 |
| 76 | The short coiled-coil domain-containing protein UNC-69 cooperates with UNC-76 to regulate axonal outgrowth and normal presynaptic organization in <i>Caenorhabditis elegans</i> . <i>Journal of Biology</i> , 2006 , 5, 9 | | 25 |

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| 75 | Motor neuron synapse and axon defects in a <i>C. elegans</i> alpha-tubulin mutant. <i>PLoS ONE</i> , 2010 , 5, e9655 | 3.7 | 24 |
| 74 | <i>Caenorhabditis elegans</i> flamingo cadherin fmi-1 regulates GABAergic neuronal development. <i>Journal of Neuroscience</i> , 2012 , 32, 4196-211 | 6.6 | 24 |
| 73 | Leucine Zipper-bearing Kinase promotes axon growth in mammalian central nervous system neurons. <i>Scientific Reports</i> , 2016 , 6, 31482 | 4.9 | 24 |
| 72 | Neuronal responses to stress and injury in <i>C. elegans</i> . <i>FEBS Letters</i> , 2015 , 589, 1644-52 | 3.8 | 23 |
| 71 | Expanded genetic screening identifies new regulators and an inhibitory role for NAD in axon regeneration. <i>ELife</i> , 2018 , 7, | 8.9 | 23 |
| 70 | Microtubule-dependent ribosome localization in neurons. <i>ELife</i> , 2017 , 6, | 8.9 | 22 |
| 69 | Inhibition of Axon Regeneration by Liquid-like TIAR-2 Granules. <i>Neuron</i> , 2019 , 104, 290-304.e8 | 13.9 | 22 |
| 68 | The EBAX-type Cullin-RING E3 ligase and Hsp90 guard the protein quality of the SAX-3/Robo receptor in developing neurons. <i>Neuron</i> , 2013 , 79, 903-16 | 13.9 | 21 |
| 67 | Leucine Zipper-Bearing Kinase Is a Critical Regulator of Astrocyte Reactivity in the Adult Mammalian CNS. <i>Cell Reports</i> , 2018 , 22, 3587-3597 | 10.6 | 20 |
| 66 | Coordinated inhibition of C/EBP by Tribbles in multiple tissues is essential for <i>Caenorhabditis elegans</i> development. <i>BMC Biology</i> , 2016 , 14, 104 | 7.3 | 20 |
| 65 | Hyperactivation of B-type motor neurons results in aberrant synchrony of the <i>Caenorhabditis elegans</i> motor circuit. <i>Journal of Neuroscience</i> , 2013 , 33, 5319-25 | 6.6 | 19 |
| 64 | Nuclear pre-mRNA 3' end processing regulates synapse and axon development in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2010 , 137, 2237-50 | 6.6 | 18 |
| 63 | CELF RNA binding proteins promote axon regeneration in <i>C. elegans</i> and mammals through alternative splicing of Syntaxins. <i>ELife</i> , 2016 , 5, | 8.9 | 17 |
| 62 | Myrf ER-Bound Transcription Factors Drive <i>C. elegans</i> Synaptic Plasticity via Cleavage-Dependent Nuclear Translocation. <i>Developmental Cell</i> , 2017 , 41, 180-194.e7 | 10.2 | 16 |
| 61 | Maternal Ribosomes Are Sufficient for Tissue Diversification during Embryonic Development in <i>C. elegans</i> . <i>Developmental Cell</i> , 2019 , 48, 811-826.e6 | 10.2 | 16 |
| 60 | RIMB-1/RIM-Binding Protein and UNC-10/RIM Redundantly Regulate Presynaptic Localization of the Voltage-Gated Calcium Channel in. <i>Journal of Neuroscience</i> , 2019 , 39, 8617-8631 | 6.6 | 16 |
| 59 | Systematic analyses of rpm-1 suppressors reveal roles for ESS-2 in mRNA splicing in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2014 , 198, 1101-15 | 4 | 16 |
| 58 | The <i>Caenorhabditis elegans</i> voltage-gated calcium channel subunits UNC-2 and UNC-36 and the calcium-dependent kinase UNC-43/CaMKII regulate neuromuscular junction morphology. <i>Neural Development</i> , 2013 , 8, 10 | 3.9 | 15 |

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| 57 | The C2H2 zinc-finger protein SYD-9 is a putative posttranscriptional regulator for synaptic transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10450-10455 | 11.5 | 15 |
| 56 | Rabx-5 regulates RAB-5 early endosomal compartments and synaptic vesicles in <i>C. elegans</i> . <i>PLoS ONE</i> , 2012 , 7, e37930 | 3.7 | 15 |
| 55 | Regulation of neuronal axon specification by glia-neuron gap junctions in. <i>ELife</i> , 2016 , 5, | 8.9 | 15 |
| 54 | The mRNA Decay Factor CAR-1/LSM14 Regulates Axon Regeneration via Mitochondrial Calcium Dynamics. <i>Current Biology</i> , 2020 , 30, 865-876.e7 | 6.3 | 14 |
| 53 | Neural circuit rewiring: insights from DD synapse remodeling. <i>Worm</i> , 2016 , 5, e1129486 | | 14 |
| 52 | Neuronal differentiation in <i>C. elegans</i> . <i>Current Opinion in Cell Biology</i> , 2005 , 17, 682-9 | 9 | 14 |
| 51 | Release-dependent feedback inhibition by a presynaptically localized ligand-gated anion channel. <i>ELife</i> , 2016 , 5, | 8.9 | 14 |
| 50 | SYD-1C, UNC-40 (DCC) and SAX-3 (Robo) function interdependently to promote axon guidance by regulating the MIG-2 GTPase. <i>PLoS Genetics</i> , 2015 , 11, e1005185 | 6 | 13 |
| 49 | Intermediate filament accumulation can stabilize microtubules in motor neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3114-3119 | 11.5 | 13 |
| 48 | Advances in synapse formation: forging connections in the worm. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2015 , 4, 85-97 | 5.9 | 13 |
| 47 | A ubiquitin E2 variant protein acts in axon termination and synaptogenesis in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2010 , 186, 135-45 | 4 | 13 |
| 46 | Asynchronous Cholinergic Drive Correlates with Excitation-Inhibition Imbalance via a Neuronal Ca Sensor Protein. <i>Cell Reports</i> , 2017 , 19, 1117-1129 | 10.6 | 12 |
| 45 | Targeted Mutagenesis of Duplicated Genes in <i>Caenorhabditis elegans</i> Using CRISPR-Cas9. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 103-6 | 4 | 11 |
| 44 | A Select Subset of Electron Transport Chain Genes Associated with Optic Atrophy Link Mitochondria to Axon Regeneration in. <i>Frontiers in Neuroscience</i> , 2017 , 11, 263 | 5.1 | 10 |
| 43 | DIP-2 suppresses ectopic neurite sprouting and axonal regeneration in mature neurons. <i>Journal of Cell Biology</i> , 2019 , 218, 125-133 | 7.3 | 10 |
| 42 | Building stereotypic connectivity: mechanistic insights into structural plasticity from <i>C. elegans</i> . <i>Current Opinion in Neurobiology</i> , 2018 , 48, 97-105 | 7.6 | 9 |
| 41 | Tissue-specific regulation of alternative polyadenylation represses expression of a neuronal ankyrin isoform in epidermal development. <i>Development (Cambridge)</i> , 2017 , 144, 698-707 | 6.6 | 8 |
| 40 | Novel Mutations in Synaptic Transmission Genes Suppress Neuronal Hyperexcitation in. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 2055-2063 | 3.2 | 8 |

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| 39 | Shaping neurodevelopment: distinct contributions of cytoskeletal proteins. <i>Current Opinion in Neurobiology</i> , 2018 , 51, 111-118 | 7.6 | 7 |
| 38 | Multitasking: Dual Leucine Zipper-Bearing Kinases in Neuronal Development and Stress Management. <i>Annual Review of Cell and Developmental Biology</i> , 2019 , 35, 501-521 | 12.6 | 6 |
| 37 | Context-dependent modulation of Pol II CTD phosphatase SSUP-72 regulates alternative polyadenylation in neuronal development. <i>Genes and Development</i> , 2015 , 29, 2377-90 | 12.6 | 5 |
| 36 | Differential regulation of polarized synaptic vesicle trafficking and synapse stability in neural circuit rewiring in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2017 , 13, e1006844 | 6 | 5 |
| 35 | Pharming for Genes in Neurotransmission: Combining Chemical and Genetic Approaches in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1963-1974 | 5.7 | 5 |
| 34 | Regulatory roles of RNA binding proteins in the nervous system of <i>C. elegans</i> . <i>Frontiers in Molecular Neuroscience</i> , 2014 , 7, 100 | 6.1 | 5 |
| 33 | MAGU-2/Mpp5 homolog regulates epidermal phagocytosis and synapse density. <i>Journal of Neurogenetics</i> , 2020 , 34, 298-306 | 1.6 | 4 |
| 32 | The function of a spindle checkpoint gene <i>bub-1</i> in <i>C. elegans</i> development. <i>PLoS ONE</i> , 2009 , 4, e5912 | 3.7 | 4 |
| 31 | Gap junctions: historical discoveries and new findings in the nervous system. <i>Biology Open</i> , 2020 , 9, | 2.2 | 4 |
| 30 | Coupled Control of Distal Axon Integrity and Somal Responses to Axonal Damage by the Palmitoyl Acyltransferase ZDHHC17. <i>Cell Reports</i> , 2020 , 33, 108365 | 10.6 | 4 |
| 29 | Junctophilins: Key Membrane Tethers in Muscles and Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 709390 | 6.1 | 4 |
| 28 | Rapid Integration of Multi-copy Transgenes Using Optogenetic Mutagenesis in. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 2091-2097 | 3.2 | 3 |
| 27 | Spatial and temporal dynamics of neurite regrowth. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 1011-7 | 7.6 | 3 |
| 26 | Unraveling the mechanisms of synapse formation and axon regeneration: the awesome power of <i>C. elegans</i> genetics. <i>Science China Life Sciences</i> , 2015 , 58, 1084-8 | 8.5 | 3 |
| 25 | Expanding views of presynaptic terminals: new findings from <i>Caenorhabditis elegans</i> . <i>Current Opinion in Neurobiology</i> , 2012 , 22, 431-7 | 7.6 | 3 |
| 24 | Cholinergic transmission in <i>C. elegans</i> : Functions, diversity, and maturation of ACh-activated ion channels. <i>Journal of Neurochemistry</i> , 2021 , 158, 1274-1291 | 6 | 3 |
| 23 | <i>Caenorhabditis elegans</i> junctophilin has tissue-specific functions and regulates neurotransmission with extended-synaptotagmin. <i>Genetics</i> , 2021 , 218, | 4 | 3 |
| 22 | Wired for insight-recent advances in <i>Caenorhabditis elegans</i> neural circuits. <i>Current Opinion in Neurobiology</i> , 2021 , 69, 159-169 | 7.6 | 3 |

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|----|---|------|---|
| 21 | Neuronal transcriptome analyses reveal novel neuropeptide modulators of excitation and inhibition imbalance in <i>C. elegans</i> . <i>PLoS ONE</i> , 2020 , 15, e0233991 | 3.7 | 2 |
| 20 | Isolation and characterization of a novel member of the ACC ligand-gated chloride channel family, Hco-LCG-46, from the parasitic nematode <i>Haemonchus contortus</i> . <i>Molecular and Biochemical Parasitology</i> , 2020 , 237, 111276 | 1.9 | 2 |
| 19 | Distinct cis elements in the 3'UTR of the <i>C. elegans</i> <i>cebp-1</i> mRNA mediate its regulation in neuronal development. <i>Developmental Biology</i> , 2017 , 429, 240-248 | 3.1 | 2 |
| 18 | Structures of PHR domains from <i>Mus musculus</i> Phr1 (Mycbp2) explain the loss-of-function mutation (Gly1092-->Glu) of the <i>C. elegans</i> ortholog RPM-1. <i>Journal of Molecular Biology</i> , 2010 , 397, 883-92 | 6.5 | 2 |
| 17 | Nematode <i>C. elegans</i> : Genetic Dissection of Pathways Regulating Seizure and Epileptic-Like Behaviors 2017 , 327-344 | | 2 |
| 16 | Excitatory Motor Neurons are Local Central Pattern Generators in an Anatomically Compressed Motor Circuit for Reverse Locomotion | | 2 |
| 15 | Altered Function of the DnaJ Family Cochaperone DNJ-17 Modulates Locomotor Circuit Activity in a <i>Caenorhabditis elegans</i> Seizure Model. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2165-71 | 3.2 | 2 |
| 14 | Optogenetic Random Mutagenesis Using Histone-miniSOG in <i>C. elegans</i> . <i>Journal of Visualized Experiments</i> , 2016 , | 1.6 | 1 |
| 13 | Ground Control to Major Tom: The Cell Body Signals Axon Degeneration. <i>Cell</i> , 2016 , 164, 842-4 | 56.2 | 1 |
| 12 | Molecular and genetic approaches for the analysis of <i>C. elegans</i> neuronal development. <i>Methods in Cell Biology</i> , 2011 , 106, 413-43 | 1.8 | 1 |
| 11 | Coupled Control of Distal Axon Integrity and Somal Responses to Axonal Damage by the Palmitoyl Acyltransferase ZDHHC17 | | 1 |
| 10 | EOR-1 and EOR-2 function in RMED/V neuron specification. <i>MicroPublication Biology</i> , 2019 , 2019, | 0.8 | 1 |
| 9 | New mutants defective in RMED/V neuron specification are alleles of EOR-1 and EOR-2. <i>MicroPublication Biology</i> , 2019 , 2019, | 0.8 | 1 |
| 8 | Functional Dissection of bZip-Protein CEBP-1 Reveals Novel Structural Motifs Required for Axon Regeneration and Nuclear Import. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 348 | 6.1 | 0 |
| 7 | Development of the <i>Drosophila</i> and <i>C. Elegans</i> Neuromuscular Junctions 2006 , 43-65 | | |
| 6 | Nerve regeneration after femtosecond laser nanosurgery 2005 , 5714, 138 | | |
| 5 | Liprin- IV SYD-2 determines the size of dense projections in presynaptic active zones in <i>C. elegans</i> . <i>Journal of General Physiology</i> , 2014 , 143, 1431OIA55 | 3.4 | |
| 4 | Neuronal transcriptome analyses reveal novel neuropeptide modulators of excitation and inhibition imbalance in <i>C. elegans</i> 2020 , 15, e0233991 | | |

- 3 Neuronal transcriptome analyses reveal novel neuropeptide modulators of excitation and inhibition imbalance in *C. elegans* **2020**, 15, e0233991
- 2 Neuronal transcriptome analyses reveal novel neuropeptide modulators of excitation and inhibition imbalance in *C. elegans* **2020**, 15, e0233991
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