Marc Hammarlund

List of Publications by Year
in descending order

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33 papers	2,632 citations	279798 23 h-index	395702 33 g-index
45 all docs	45 docs citations	45 times ranked	2738 citing authors

#	Article	IF	Citations
1	Axon Regeneration Requires a Conserved MAP Kinase Pathway. Science, 2009, 323, 802-806.	12.6	387
2	Molecular topography of an entire nervous system. Cell, 2021, 184, 4329-4347.e23.	28.9	328
3	Mitochondria Localize to Injured Axons to Support Regeneration. Neuron, 2016, 92, 1308-1323.	8.1	190
4	Open Syntaxin Docks Synaptic Vesicles. PLoS Biology, 2007, 5, e198.	5.6	164
5	Insulin/IGF1 Signaling Inhibits Age-Dependent Axon Regeneration. Neuron, 2014, 81, 561-573.	8.1	144
6	The <scp>R</scp>tc<scp>B RNA</scp> ligase is an essential component of the metazoan unfolded protein response. EMBO Reports, 2014, 15, 1278-1285.	4.5	139
7	Mutations in Î²-Spectrin Disrupt Axon Outgrowth and Sarcomere Structure. Journal of Cell Biology, 2000, 149, 931-942.	5.2	112
8	Notch Signaling Inhibits Axon Regeneration. Neuron, 2012, 73, 268-278.	8.1	97
9	CAPS and syntaxin dock dense core vesicles to the plasma membrane in neurons. Journal of Cell Biology, 2008, 180, 483-491.	5.2	88
10	Axon Regeneration Genes Identified by RNAi Screening inC. elegans. Journal of Neuroscience, 2014, 34, 629-645.	3.6	87
11	The CeNGEN Project: The Complete Gene Expression Map of an Entire Nervous System. Neuron, 2018, 99, 430-433.	8.1	85
12	Exposure to Mitochondrial Genotoxins and Dopaminergic Neurodegeneration in Caenorhabditis elegans. PLoS ONE, 2014, 9, e114459.	2.5	65
13	RNA ligation in neurons by RtcB inhibits axon regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8451-8456.	7.1	58
14	Neuron-Specific Feeding RNAi in C. elegans and Its Use in a Screen for Essential Genes Required for GABA Neuron Function. PLoS Genetics, 2013, 9, e1003921.	3.5	57
15	Î³-Neurexin and Frizzled Mediate Parallel Synapse Assembly Pathways Antagonized by Receptor Endocytosis. Neuron, 2018, 100, 150-166.e4.	8.1	57
16	A multi-channel device for high-density target-selective stimulation and long-term monitoring of cells and subcellular features in C. elegans. Lab on A Chip, 2014, 14, 4513-4522.	6.0	56
17	Syndecan Promotes Axon Regeneration by Stabilizing Growth Cone Migration. Cell Reports, 2014, 8, 272-283.	6.4	55
18	Axon regeneration in C. elegans. Current Opinion in Neurobiology, 2014, 27, 199-207.	4.2	49

#	Article	IF	Citations
19	Functional Genome-wide Screen Identifies Pathways Restricting Central Nervous System Axonal Regeneration. Cell Reports, 2018, 23, 415-428.	6.4	43
20	Heterozygous Insertions Alter Crossover Distribution but Allow Crossover Interference in Caenorhabditis elegans. Genetics, 2005, 171, 1047-1056.	2.9	38
21	Inhibiting poly(ADP-ribosylation) improves axon regeneration. ELife, 2016, 5, .	6.0	38
22	In vivo Laser Axotomy in C. elegans. Journal of Visualized Experiments, 2011, , .	0.3	35
23	Axon regeneration in C. elegans: Worming our way to mechanisms of axon regeneration. Experimental Neurology, 2017, 287, 300-309.	4.1	33
24	Mechanisms of injury-induced axon degeneration. Current Opinion in Neurobiology, 2019, 57, 171-178.	4.2	29
25	Inhibition of Poly-ADP-Ribosylation Fails to Increase Axonal Regeneration or Improve Functional Recovery after Adult Mammalian CNS Injury. ENeuro, 2016, 3, ENEURO.0270-16.2016.	1.9	22
26	Aberrant information transfer interferes with functional axon regeneration. ELife, 2018, 7, .	6.0	18
27	Activation of the CaMKII-Sarm1-ASK1-p38 MAP kinase pathway protects against axon degeneration caused by loss of mitochondria. ELife, 2022, 11, .	6.0	18
28	In silico analysis of the transcriptional regulatory logic of neuronal identity specification throughout the C. elegans nervous system. ELife, 2021, 10, .	6.0	16
29	The stress-responsive gene GDPGP1/mcp-1 regulates neuronal glycogen metabolism and survival. Journal of Cell Biology, 2020, 219, .	5.2	11
30	A Functional Non-coding RNA Is Produced from xbp-1 mRNA. Neuron, 2020, 107, 854-863.e6.	8.1	10
31	Neurexin and frizzled intercept axonal transport at microtubule minus ends to control synapse formation. Developmental Cell, 2022, 57, 1802-1816.e4.	7.0	9
32	rab-27 acts in an intestinal pathway to inhibit axon regeneration in C. elegans. PLoS Genetics, 2021, 17, e1009877.	3.5	8
33	A head-to-head comparison of ribodepletion and polyA selection approaches for Caenorhabditis elegans low input RNA-sequencing libraries. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	3