

Marc R Freeman

List of Publications by Year in descending order

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38
papers

3,183
citations

257101

24
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360668

35
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all docs

45
docs citations

45
times ranked

3645
citing authors

#	ARTICLE	IF	CITATIONS
1	Specification and Morphogenesis of Astrocytes. <i>Science</i> , 2010, 330, 774-778.	6.0	371
2	Ensheathing Glia Function as Phagocytes in the Adult <i>Drosophila</i> Brain. <i>Journal of Neuroscience</i> , 2009, 29, 4768-4781.	1.7	300
3	Glial cell biology in <i>Drosophila</i> and vertebrates. <i>Trends in Neurosciences</i> , 2006, 29, 82-90.	4.2	223
4	<i>Drosophila</i> Central Nervous System Glia. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a020552.	2.3	216
5	Neuron-Glia Interactions through the Heartless FGF Receptor Signaling Pathway Mediate Morphogenesis of <i>Drosophila</i> Astrocytes. <i>Neuron</i> , 2014, 83, 388-403.	3.8	197
6	Astrocytes engage unique molecular programs to engulf pruned neuronal debris from distinct subsets of neurons. <i>Genes and Development</i> , 2014, 28, 20-33.	2.7	191
7	Neuromodulators signal through astrocytes to alter neural circuit activity and behaviour. <i>Nature</i> , 2016, 539, 428-432.	13.7	189
8	Attenuated traumatic axonal injury and improved functional outcome after traumatic brain injury in mice lacking <i>Sarm1</i> . <i>Brain</i> , 2016, 139, 1094-1105.	3.7	155
9	Prevalent presence of periodic actin-spectrin-based membrane skeleton in a broad range of neuronal cell types and animal species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6029-6034.	3.3	145
10	WldS Prevents Axon Degeneration through Increased Mitochondrial Flux and Enhanced Mitochondrial Ca ²⁺ Buffering. <i>Current Biology</i> , 2012, 22, 596-600.	1.8	135
11	Diverse cellular and molecular modes of axon degeneration. <i>Trends in Cell Biology</i> , 2014, 24, 515-523.	3.6	118
12	Activity-dependent regulation of astrocyte GAT levels during synaptogenesis. <i>Nature Neuroscience</i> , 2014, 17, 1340-1350.	7.1	109
13	Axon Death Pathways Converge on Axundead to Promote Functional and Structural Axon Disassembly. <i>Neuron</i> , 2017, 95, 78-91.e5.	3.8	86
14	Sculpting the nervous system: glial control of neuronal development. <i>Current Opinion in Neurobiology</i> , 2006, 16, 119-125.	2.0	78
15	Age-Dependent TDP-43-Mediated Motor Neuron Degeneration Requires GSK3, hat-trick, and xmas-2. <i>Current Biology</i> , 2015, 25, 2130-2136.	1.8	71
16	Rapid in vivo forward genetic approach for identifying axon death genes in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9965-9970.	3.3	70
17	Signaling mechanisms regulating Wallerian degeneration. <i>Current Opinion in Neurobiology</i> , 2014, 27, 224-231.	2.0	59
18	PI3K Signaling and Stat92E Converge to Modulate Glial Responsiveness to Axonal Injury. <i>PLoS Biology</i> , 2014, 12, e1001985.	2.6	55

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19	Axon degeneration induces glial responses through Draper-TRAF4-JNK signalling. <i>Nature Communications</i> , 2017, 8, 14355.	5.8	53
20	Glutathione S-Transferase Regulates Mitochondrial Populations in Axons through Increased Glutathione Oxidation. <i>Neuron</i> , 2019, 103, 52-65.e6.	3.8	47
21	Loss of Sarm1 does not suppress motor neuron degeneration in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2018, 27, 3761-3771.	1.4	45
22	Transcription factor Pebbled/RREB1 regulates injury-induced axon degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1358-1363.	3.3	43
23	The scoop on the fly brain: glial engulfment functions in <i>Drosophila</i> . <i>Neuron Glia Biology</i> , 2007, 3, 63-74.	2.0	37
24	DRK/DOS/SOS converge with Crk/Mbc/dCed-12 to activate Rac1 during glial engulfment of axonal debris. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12544-12549.	3.3	31
25	Polymodal Nociception in <i>Drosophila</i> Requires Alternative Splicing of TrpA1. <i>Current Biology</i> , 2019, 29, 3961-3973.e6.	1.8	31
26	Glial Control of Synaptogenesis. <i>Cell</i> , 2005, 120, 292-293.	13.5	22
27	Neural JNK3 regulates blood flow recovery after hindlimb ischemia in mice via an Egr1/Creb1 axis. <i>Nature Communications</i> , 2019, 10, 4223.	5.8	22
28	Genetic diversity of axon degenerative mechanisms in models of Parkinson's disease. <i>Neurobiology of Disease</i> , 2021, 155, 105368.	2.1	16
29	TSG101 negatively regulates mitochondrial biogenesis in axons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
30	TrpML-mediated astrocyte microdomain Ca ²⁺ transients regulate astrocyte-tracheal interactions. <i>ELife</i> , 2020, 9, .	2.8	12
31	Astrocytes eyeball axonal mitochondria. <i>Science</i> , 2014, 345, 385-386.	6.0	11
32	Whole Genome Sequencing and a New Bioinformatics Platform Allow for Rapid Gene Identification in <i>D. melanogaster</i> EMS Screens. <i>Biology</i> , 2012, 1, 766-777.	1.3	10
33	Astrocytic GABA transporter controls sleep by modulating GABAergic signaling in <i>Drosophila</i> circadian neurons. <i>Current Biology</i> , 2022, 32, 1895-1908.e5.	1.8	10
34	Letting Go of JuNK by Disassembly of Adhesive Complexes. <i>Neuron</i> , 2015, 88, 848-850.	3.8	2
35	Dendrites actively restrain axon outgrowth and regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5465-5466.	3.3	2
36	An ELISA-based method for rapid genetic screens in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	1

#	ARTICLE	IF	CITATIONS
37	Glial (and Neuronal) Cells Missing. Neuron, 2005, 48, 163-165.	3.8	0
38	Silencing of drpr leads to muscle and brain degeneration in adult Drosophila. FASEB Journal, 2013, 27, 873.14.	0.2	0