James N Sleigh

List of Publications by Year
in descending order

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47 papers	1,982 citations	279798 23 h-index	276875 41 g-index
60 all docs	60 docs citations	60 times ranked	2642 citing authors

#	Article	IF	Citations
1	A longitudinal and crossâ€sectional study of plasma neurofilament light chain concentration in <scp>Charcotâ€Marieâ€Tooth</scp> disease. Journal of the Peripheral Nervous System, 2022, 27, 50-57.	3.1	16
2	Coupling axonal mRNA transport and local translation to organelle maintenance and function. Current Opinion in Cell Biology, 2022, 74, 97-103.	5.4	13
3	Editorial: Pathways and Processes Underpinning Axonal Biology and Pathobiology. Frontiers in Molecular Neuroscience, 2022, 15, 883244.	2.9	0
4	Dissection, in vivo imaging and analysis of the mouse epitrochleoanconeus muscle. Journal of Anatomy, 2021, , .	1.5	7
5	NMJ-Analyser identifies subtle early changes in mouse models of neuromuscular disease. Scientific Reports, 2021, 11, 12251.	3.3	12
6	Expanding the Toolkit for In Vivo Imaging of Axonal Transport. Journal of Visualized Experiments, 2021, , .	0.3	8
7	The evolution of the axonal transport toolkit. Traffic, 2020, 21, 13-33.	2.7	18
8	Intramuscular Delivery of Gene Therapy for Targeting the Nervous System. Frontiers in Molecular Neuroscience, 2020, 13, 129.	2.9	18
9	Altered Sensory Neuron Development in CMT2D Mice Is Site-Specific and Linked to Increased GlyRS Levels. Frontiers in Cellular Neuroscience, 2020, 14, 232.	3.7	9
10	Developmental demands contribute to early neuromuscular degeneration in CMT2D mice. Cell Death and Disease, 2020, 11, 564.	6.3	17
11	Morphological variability is greater at developing than mature mouse neuromuscular junctions. Journal of Anatomy, 2020, 237, 603-617.	1.5	25
12	Mice Carrying ALS Mutant TDP-43, but Not Mutant FUS, Display InÂVivo Defects in Axonal Transport of Signaling Endosomes. Cell Reports, 2020, 30, 3655-3662.e2.	6.4	51
13	Loss of BICD2 in muscle drives motor neuron loss in a developmental form of spinal muscular atrophy. Acta Neuropathologica Communications, 2020, 8, 34.	5.2	26
14	A video protocol for rapid dissection of mouse dorsal root ganglia from defined spinal levels. BMC Research Notes, 2020, 13, 302.	1.4	12
15	In Vivo Imaging of Anterograde and Retrograde Axonal Transport in Rodent Peripheral Nerves. Methods in Molecular Biology, 2020, 2143, 271-292.	0.9	23
16	Axonal transport and neurological disease. Nature Reviews Neurology, 2019, 15, 691-703.	10.1	201
17	Deacetylation of Miro1 by HDAC6 blocks mitochondrial transport and mediates axon growth inhibition. Journal of Cell Biology, 2019, 218, 1871-1890.	5.2	80
18	Neuronal over-expression of Oxr1 is protective against ALS-associated mutant TDP-43 mislocalisation in motor neurons and neuromuscular defects in vivo. Human Molecular Genetics, 2019, 28, 3584-3599.	2.9	19

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19	Aligned electrospun fibers for neural patterning. Biotechnology Letters, 2018, 40, 601-607.	2.2	18
20	Antisense oligonucleotides and other genetic therapies made simple. Practical Neurology, 2018, 18, 126-131.	1.1	51
21	Engineered method for directional growth of muscle sheets on electrospun fibers. Journal of Biomedical Materials Research - Part A, 2018, 106, 1165-1176.	4.0	15
22	UBA1/GARS-dependent pathways drive sensory-motor connectivity defects in spinal muscular atrophy. Brain, 2018, 141, 2878-2894.	7.6	29
23	Plexin-Semaphorin Signaling Modifies Neuromuscular Defects in a Drosophila Model of Peripheral Neuropathy. Frontiers in Molecular Neuroscience, 2018, 11, 55.	2.9	21
24	Trk receptor signaling and sensory neuron fate are perturbed in human neuropathy caused by Gars mutations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3324-E3333.	7.1	61
25	Neuropilin 1 sequestration by neuropathogenic mutant glycyl-tRNA synthetase is permissive to vascular homeostasis. Scientific Reports, 2017, 7, 9216.	3.3	25
26	Motor Neuron Gene Therapy: Lessons from Spinal Muscular Atrophy for Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2017, 10, 405.	2.9	39
27	Methodological advances in imaging intravital axonal transport. F1000Research, 2017, 6, 200.	1.6	33
28	Vascular <scp>D</scp>efects and <scp>S</scp>pinal <scp>C</scp>ord <scp>H</scp>ypoxia in <scp>S</scp>pinal <scp>M</scp>uscular <scp>A</scp>trophy. Annals of Neurology, 2016, 79, 217-230.	5.3	79
29	Systemic peptide-mediated oligonucleotide therapy improves long-term survival in spinal muscular atrophy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10962-10967.	7.1	159
30	A simple, step-by-step dissection protocol for the rapid isolation of mouse dorsal root ganglia. BMC Research Notes, 2016, 9, 82.	1.4	106
31	Synaptic Deficits at Neuromuscular Junctions in Two Mouse Models of Charcotâ€“Marieâ€“Tooth Type 2d. Journal of Neuroscience, 2016, 36, 3254-3267.	3.6	66
32	In vivo imaging of axonal transport in murine motor and sensory neurons. Journal of Neuroscience Methods, 2016, 257, 26-33.	2.5	47
33	Dominant, toxic gain-of-function mutations ingarslead to non-cell autonomous neuropathology. Human Molecular Genetics, 2015, 24, 4397-4406.	2.9	50
34	Chondrolectin affects cell survival and neuronal outgrowth in in vitro and in vivo models of spinal muscular atrophy. Human Molecular Genetics, 2014, 23, 855-869.	2.9	62
35	Morphological analysis of neuromuscular junction development and degeneration in rodent lumbrical muscles. Journal of Neuroscience Methods, 2014, 227, 159-165.	2.5	64
36	Neuromuscular junction maturation defects precede impaired lower motor neuron connectivity in Charcot-Marie-Tooth type 2D mice. Human Molecular Genetics, 2014, 23, 2639-2650.	2.9	75

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37	Overexpression of survival motor neuron improves neuromuscular function and motor neuron survival in mutant SOD1 mice. Neurobiology of Aging, 2014, 35, 906-915.	3.1	39
38	Loss of the E3 ubiquitin ligase LRSAM1 sensitizes peripheral axons to degeneration in a mouse model of Charcot-Marie-Tooth disease. DMM Disease Models and Mechanisms, 2013, 6, 780-92.	2.4	44
39	Invertebrate models of spinal muscular atrophy: Insights into mechanisms and potential therapeutics. BioEssays, 2011, 33, 956-965.	2.5	24
40	A novel Caenorhabditis elegans allele, smn-1(cb131), mimicking a mild form of spinal muscular atrophy, provides a convenient drug screening platform highlighting new and pre-approved compounds. Human Molecular Genetics, 2011, 20, 245-260.	2.9	50
41	The contribution of mouse models to understanding the pathogenesis of spinal muscular atrophy. DMM Disease Models and Mechanisms, 2011, 4, 457-467.	2.4	113
42	C. elegans models of neuromuscular diseases expedite translational research. Translational Neuroscience, 2010, 1, .	1.4	17
43	Functional analysis of nematode nicotinic receptors. Bioscience Horizons, 2010, 3, 29-39.	0.6	12
44	Conserved Genes Act as Modifiers of Invertebrate SMN Loss of Function Defects. PLoS Genetics, 2010, 6, e1001172.	3.5	93
45	Older but not slower: aging does not alter axonal transport dynamics of signalling endosomes in vivo . Matters, 0, , .	1.0	13
46	ALS Mice Carrying Pathological Mutant TDP-43, But Not Mutant FUS, Display Axonal Transport Defects <i>in vivo</i>. SSRN Electronic Journal, 0, , .	0.4	1
47	Axonal Transport: The Delivery System Keeping Nerve Cells Alive. Frontiers for Young Minds, 0, 8, .	0.8	1