Thomas H Hutson

List of Publications by Citations

24 papers	607 citations	13 h-index	24 g-index
26 ext. papers	1,025 ext. citations	13.7 avg, IF	4.09 L-index

#	Paper	IF	Citations
24	Reactive oxygen species regulate axonal regeneration through the release of exosomal NADPH oxidase 2 complexes into injured axons. *Nature Cell Biology*, **2018**, 20, 307-319	23.4	132
23	The translational landscape in spinal cord injury: focus on neuroplasticity and regeneration. *Nature Reviews Neurology*, **2019**, 15, 732-745	15	70
22	Corticospinal tract transduction: a comparison of seven adeno-associated viral vector serotypes and a non-integrating lentiviral vector. *Gene Therapy*, **2012**, 19, 49-60	4	57
21	Cbp-dependent histone acetylation mediates axon regeneration induced by environmental enrichment in rodent spinal cord injury models. *Science Translational Medicine*, **2019**, 11,	17.5	39
20	Delayed intramuscular human neurotrophin-3 improves recovery in adult and elderly rats after stroke. *Brain*, **2016**, 139, 259-75	11.2	35
19	Efficient gene expression from integration-deficient lentiviral vectors in the spinal cord. *Gene Therapy*, **2013**, 20, 645-57	4	29
18	Epigenomic signatures underpin the axonal regenerative ability of dorsal root ganglia sensory neurons. *Nature Neuroscience*, **2019**, 22, 1913-1924	25.5	28
17	Cell type prioritization in single-cell data. *Nature Biotechnology*, **2021**, 39, 30-34	44.5	27
16	Lentiviral vector-mediated RNA silencing in the central nervous system. *Human Gene Therapy Methods*, **2014**, 25, 14-32	4.9	21
15	Confronting false discoveries in single-cell differential expression. *Nature Communications*, **2021**, 12, 5692	17.4	21
14	PP4-dependent HDAC3 dephosphorylation discriminates between axonal regeneration and regenerative failure. *EMBO Journal*, **2019**, 38, e101032	13	19
13	Peripheral nervous system genes expressed in central neurons induce growth on inhibitory substrates. *PLoS ONE*, **2012**, 7, e38101	3.7	17
12	Lentiviral vectors encoding short hairpin RNAs efficiently transduce and knockdown LINGO-1 but induce an interferon response and cytotoxicity in central nervous system neurones. *Journal of Gene Medicine*, **2012**, 14, 299-315	3.5	17
11	Trans-neuronal transduction of spinal neurons following cortical injection and anterograde axonal transport of a bicistronic AAV1 vector. *Gene Therapy*, **2016**, 23, 231-6	4	13
10	Unilateral pyramidotomy of the corticospinal tract in rats for assessment of neuroplasticity-inducing therapies. *Journal of Visualized Experiments*, **2014**,	1.6	13
9	Transcriptional changes in sensory ganglia associated with primary afferent axon collateral sprouting in spared dermatome model. *Genomics Data*, **2015**, 6, 249-52		9
8	Optimization of a 96-Well Electroporation Assay for Postnatal Rat CNS Neurons Suitable for Cost-Effective Medium-Throughput Screening of Genes that Promote Neurite Outgrowth. *Frontiers in Molecular Neuroscience*, **2011**, 4, 55	6.1	9

7	AMPK controls the axonal regenerative ability of dorsal root ganglia sensory neurons after spinal cord injury. *Nature Metabolism*, **2020**, 2, 918-933	14.6	9
6	Wireless closed-loop optogenetics across the entire dorsoventral spinal cord in mice. *Nature Biotechnology*, **2021**,	44.5	9
5	Overexpression of the Fibroblast Growth Factor Receptor 1 (FGFR1) in a Model of Spinal Cord Injury in Rats. *PLoS ONE*, **2016**, 11, e0150541	3.7	8
4	Confronting false discoveries in single-cell differential expression		7
3	Cyclin-dependent-like kinase 5 is required for pain signaling in human sensory neurons and mouse models. *Science Translational Medicine*, **2020**, 12,	17.5	4
2	Enriched conditioning expands the regenerative ability of sensory neurons after spinal cord injury via neuronal intrinsic redox signaling. *Nature Communications*, **2020**, 11, 6425	17.4	4
1	Cell type prioritization in single-cell data		2