

# Brett J Hilton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8528112/publications.pdf>

Version: 2024-02-01

21  
papers

1,693  
citations

516710

16  
h-index

752698

20  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell transplantation therapy for spinal cord injury. <i>Nature Neuroscience</i> , 2017, 20, 637-647.	14.8	612
2	Evidence for an Age-Dependent Decline in Axon Regeneration in the Adult Mammalian Central Nervous System. <i>Cell Reports</i> , 2016, 15, 238-246.	6.4	117
3	Effects of temperature, season and locality on wasting disease in the keystone predatory sea star <i>Pisaster ochraceus</i> . <i>Diseases of Aquatic Organisms</i> , 2009, 86, 245-251.	1.0	109
4	Can injured adult CNS axons regenerate by recapitulating development?. <i>Development (Cambridge)</i> , 2017, 144, 3417-3429.	2.5	106
5	Ketogenic Diet Improves Forelimb Motor Function after Spinal Cord Injury in Rodents. <i>PLoS ONE</i> , 2013, 8, e78765.	2.5	91
6	Re-Establishment of Cortical Motor Output Maps and Spontaneous Functional Recovery via Spared Dorsolaterally Projecting Corticospinal Neurons after Dorsal Column Spinal Cord Injury in Adult Mice. <i>Journal of Neuroscience</i> , 2016, 36, 4080-4092.	3.6	84
7	Neuroprotection and secondary damage following spinal cord injury: concepts and methods. <i>Neuroscience Letters</i> , 2017, 652, 3-10.	2.1	78
8	Locomotor recovery following contusive spinal cord injury does not require oligodendrocyte remyelination. <i>Nature Communications</i> , 2018, 9, 3066.	12.8	78
9	ADF/Cofilin-Mediated Actin Turnover Promotes Axon Regeneration in the Adult CNS. <i>Neuron</i> , 2019, 103, 1073-1085.e6.	8.1	71
10	RhoA Controls Axon Extension Independent of Specification in the Developing Brain. <i>Current Biology</i> , 2019, 29, 3874-3886.e9.	3.9	71
11	The fate and function of oligodendrocyte progenitor cells after traumatic spinal cord injury. <i>Glia</i> , 2020, 68, 227-245.	4.9	63
12	RhoA drives actin compaction to restrict axon regeneration and astrocyte reactivity after CNS injury. <i>Neuron</i> , 2021, 109, 3436-3455.e9.	8.1	54
13	An active vesicle priming machinery suppresses axon regeneration upon adult CNS injury. <i>Neuron</i> , 2022, 110, 51-69.e7.	8.1	40
14	Dorsolateral Funiculus Lesioning of the Mouse Cervical Spinal Cord at C4 but Not at C6 Results in Sustained Forelimb Motor Deficits. <i>Journal of Neurotrauma</i> , 2013, 30, 1070-1083.	3.4	35
15	Ministrokes in Channelrhodopsin-2 Transgenic Mice Reveal Widespread Deficits in Motor Output Despite Maintenance of Cortical Neuronal Excitability. <i>Journal of Neuroscience</i> , 2014, 34, 1094-1104.	3.6	26
16	High-resolution 3D imaging and analysis of axon regeneration in unsectioned spinal cord with or without tissue clearing. <i>Nature Protocols</i> , 2019, 14, 1235-1260.	12.0	25
17	Keratan Sulfate Proteoglycans in Plasticity and Recovery after Spinal Cord Injury: Figure 1.. <i>Journal of Neuroscience</i> , 2012, 32, 4331-4333.	3.6	13
18	A brainstem bypass for spinal cord injury. <i>Nature Neuroscience</i> , 2018, 21, 457-458.	14.8	8

#	ARTICLE	IF	CITATIONS
19	Imaging in vivo dynamics of sensory axon responses to CNS injury. <i>Experimental Neurology</i> , 2019, 317, 110-118.	4.1	6
20	Canonical Wnt Signalling in PDGFR $\alpha$ -Expressing Cells is a Critical Regulator of Astrogliosis and Axon Regeneration following CNS Injury. <i>Journal of Neuroscience</i> , 2014, 34, 16163-16165.	3.6	5
21	Growing Myelin around Regenerated Axons after CNS Injury. <i>Neuron</i> , 2020, 108, 797-798.	8.1	0