## Brett J Hilton

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | An active vesicle priming machinery suppresses axon regeneration upon adult CNS injury. Neuron, 2022, 110, 51-69.e7.  | 8.1  | 40        |
| 2  | RhoA drives actin compaction to restrict axon regeneration and astrocyte reactivity after CNS injury.<br>Neuron, 2021, 109, 3436-3455.e9.   | 8.1  | 54        |
| 3  | The fate and function of oligodendrocyte progenitor cells after traumatic spinal cord injury. Clia, 2020, 68, 227-245.  | 4.9  | 63        |
| 4  | Growing Myelin around Regenerated Axons after CNS Injury. Neuron, 2020, 108, 797-798.   | 8.1  | 0         |
| 5  | ADF/Cofilin-Mediated Actin Turnover Promotes Axon Regeneration in the Adult CNS. Neuron, 2019, 103, 1073-1085.e6.   | 8.1  | 71        |
| 6  | RhoA Controls Axon Extension Independent of Specification in the Developing Brain. Current Biology, 2019, 29, 3874-3886.e9.   | 3.9  | 71        |
| 7  | High-resolution 3D imaging and analysis of axon regeneration in unsectioned spinal cord with or without tissue clearing. Nature Protocols, 2019, 14, 1235-1260.   | 12.0 | 25        |
| 8  | Imaging in vivo dynamics of sensory axon responses to CNS injury. Experimental Neurology, 2019, 317, 110-118.   | 4.1  | 6         |
| 9  | A brainstem bypass for spinal cord injury. Nature Neuroscience, 2018, 21, 457-458.  | 14.8 | 8         |
| 10 | Locomotor recovery following contusive spinal cord injury does not require oligodendrocyte remyelination. Nature Communications, 2018, 9, 3066.   | 12.8 | 78        |
| 11 | Cell transplantation therapy for spinal cord injury. Nature Neuroscience, 2017, 20, 637-647.  | 14.8 | 612       |
| 12 | Neuroprotection and secondary damage following spinal cord injury: concepts and methods.<br>Neuroscience Letters, 2017, 652, 3-10.  | 2.1  | 78        |
| 13 | Can injured adult CNS axons regenerate by recapitulating development?. Development (Cambridge), 2017, 144, 3417-3429.   | 2.5  | 106       |
| 14 | Re-Establishment of Cortical Motor Output Maps and Spontaneous Functional Recovery via Spared<br>Dorsolaterally Projecting Corticospinal Neurons after Dorsal Column Spinal Cord Injury in Adult<br>Mice. Journal of Neuroscience, 2016, 36, 4080-4092. | 3.6  | 84        |
| 15 | Evidence for an Age-Dependent Decline in Axon Regeneration in the Adult Mammalian Central Nervous<br>System. Cell Reports, 2016, 15, 238-246.   | 6.4  | 117       |
| 16 | Canonical Wnt Signalling in PDGFRα-Expressing Cells is a Critical Regulator of Astrogliosis and Axon<br>Regeneration following CNS Injury. Journal of Neuroscience, 2014, 34, 16163-16165.  | 3.6  | 5         |
| 17 | Ministrokes in Channelrhodopsin-2 Transgenic Mice Reveal Widespread Deficits in Motor Output<br>Despite Maintenance of Cortical Neuronal Excitability. Journal of Neuroscience, 2014, 34, 1094-1104.  | 3.6  | 26        |
| 18 | Dorsolateral Funiculus Lesioning of the Mouse Cervical Spinal Cord at C4 but Not at C6 Results in Sustained Forelimb Motor Deficits. Journal of Neurotrauma, 2013, 30, 1070-1083.   | 3.4  | 35        |

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|----|--|-----|-----------|
| 19 | Ketogenic Diet Improves Forelimb Motor Function after Spinal Cord Injury in Rodents. PLoS ONE, 2013,<br>8, e78765.   | 2.5 | 91        |
| 20 | Keratan Sulfate Proteoglycans in Plasticity and Recovery after Spinal Cord Injury: Figure 1 Journal of Neuroscience, 2012, 32, 4331-4333.                                  | 3.6 | 13        |
| 21 | Effects of temperature, season and locality on wasting disease in the keystone predatory sea star<br>Pisaster ochraceus. Diseases of Aquatic Organisms, 2009, 86, 245-251. | 1.0 | 109       |