

# Michael V L Bennett

## List of Publications by Year in descending order

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34  
papers

4,116  
citations

304743

22  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

5353  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Electrical Coupling and Neuronal Synchronization in the Mammalian Brain. <i>Neuron</i> , 2004, 41, 495-511.  | 8.1  | 712       |
| 2  | Blood-brain barrier dysfunction and recovery after ischemic stroke. <i>Progress in Neurobiology</i> , 2018, 163-164, 144-171.  | 5.7  | 565       |
| 3  | Protein kinase C modulates NMDA receptor trafficking and gating. <i>Nature Neuroscience</i> , 2001, 4, 382-390.  | 14.8 | 390       |
| 4  | New roles for astrocytes: Gap junction hemichannels have something to communicate. <i>Trends in Neurosciences</i> , 2003, 26, 610-617.   | 8.6  | 372       |
| 5  | HDAC inhibition prevents white matter injury by modulating microglia/macrophage polarization through the GSK3 $\beta$ /PTEN/Akt axis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2853-2858. | 7.1  | 303       |
| 6  | Oxidative stress and DNA damage after cerebral ischemia: Potential therapeutic targets to repair the genome and improve stroke recovery. <i>Neuropharmacology</i> , 2018, 134, 208-217.  | 4.1  | 202       |
| 7  | Gap junctions as electrical synapses. <i>Journal of Neurocytology</i> , 1997, 26, 349-366.   | 1.5  | 181       |
| 8  | Connexin and pannexin hemichannels in inflammatory responses of glia and neurons. <i>Brain Research</i> , 2012, 1487, 3-15.  | 2.2  | 177       |
| 9  | Phosphorylation of connexin 32, a hepatocyte gap-junction protein, by cAMP-dependent protein kinase, protein kinase C and Ca <sup>2+</sup> /calmodulin-dependent protein kinase II. <i>FEBS Journal</i> , 1990, 192, 263-273.                        | 0.2  | 171       |
| 10 | Peroxisome proliferator-activated receptor $\beta$ (PPAR $\beta$ ): A master gatekeeper in CNS injury and repair. <i>Progress in Neurobiology</i> , 2018, 163-164, 27-58.  | 5.7  | 156       |
| 11 | The Role of Gap Junction Channels During Physiologic and Pathologic Conditions of the Human Central Nervous System. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 499-518.   | 4.1  | 110       |
| 12 | Activation of autophagy rescues synaptic and cognitive deficits in fragile X mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9707-E9716.  | 7.1  | 105       |
| 13 | IL-4/STAT6 signaling facilitates innate hematoma resolution and neurological recovery after hemorrhagic stroke in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32679-32690.             | 7.1  | 93        |
| 14 | The ATP required for potentiation of skeletal muscle contraction is released via pannexin hemichannels. <i>Neuropharmacology</i> , 2013, 75, 594-603.  | 4.1  | 85        |
| 15 | Elevated ERK/p90 ribosomal S6 kinase activity underlies audiogenic seizure susceptibility in fragile X mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6290-E6297.                        | 7.1  | 80        |
| 16 | Tissue plasminogen activator promotes white matter integrity and functional recovery in a murine model of traumatic brain injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9230-E9238.   | 7.1  | 54        |
| 17 | FGF-1 Triggers Pannexin-1 Hemichannel Opening in Spinal Astrocytes of Rodents and Promotes Inflammatory Responses in Acute Spinal Cord Slices. <i>Journal of Neuroscience</i> , 2016, 36, 4785-4801.   | 3.6  | 52        |
| 18 | Cell types and synaptic organization of the medullary electromotor nucleus in a constant frequency weakly electric fish, <i>Sternarchus albifrons</i> . <i>Journal of Comparative Neurology</i> , 1980, 192, 407-426.                                | 1.6  | 45        |

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|----|---|------|-----------|
| 19 | APE1/Ref-1 facilitates recovery of gray and white matter and neurological function after mild stroke injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3558-67.                      | 7.1  | 42        |
| 20 | Protease-independent action of tissue plasminogen activator in brain plasticity and neurological recovery after ischemic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9115-9124. | 7.1  | 37        |
| 21 | RAPID DEGENERATION OF AMPULLARY ELECTRORECEPTOR ORGANS AFTER DENERVATION. <i>Journal of Cell Biology</i> , 1973, 56, 466-477.   | 5.2  | 32        |
| 22 | Pyramid power: Principal cells of the hippocampus unite!. <i>Brain Cell Biology</i> , 2007, 35, 5-11.   | 3.2  | 24        |
| 23 | Connexins in disease. <i>Nature</i> , 1994, 368, 18-19.   | 27.8 | 23        |
| 24 | Estradiol pretreatment ameliorates impaired synaptic plasticity at synapses of insulted CA1 neurons after transient global ischemia. <i>Brain Research</i> , 2015, 1621, 222-230.   | 2.2  | 19        |
| 25 | Special cutaneous receptor organs of fish. VII. Ampullary organs of mormyrids. <i>Journal of Morphology</i> , 1974, 143, 365-383.   | 1.2  | 16        |
| 26 | Gap junctions and septate-like junctions between neurons of the opisthobranch mollusc <i>Navanax inermis</i> . <i>Journal of Neurocytology</i> , 1983, 12, 831-846.   | 1.5  | 14        |
| 27 | Chapter 15 Neoreticularism and neuronal polarization. <i>Progress in Brain Research</i> , 2002, 136, 189-201.   | 1.4  | 14        |
| 28 | Pharyngeal movements during feeding sequences in <i>Navanax inermis</i> : a cinematographic analysis. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1984, 155, 209-218.               | 1.6  | 11        |
| 29 | HIV-Associated Cardiovascular Disease. <i>American Journal of Pathology</i> , 2017, 187, 1960-1970.   | 3.8  | 9         |
| 30 | Distance chemoreception in <i>Navanax inermis</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 1982, 8, 231-241.   | 0.9  | 8         |
| 31 | Ion Channels in Inflammatory Processes: What Is Known and What Is Next?. <i>Mediators of Inflammation</i> , 2016, 2016, 1-1.  | 3.0  | 7         |
| 32 | Not what you thought: How H <sup>+</sup> ions combine with taurine or other aminosulfonates to close Cx26 channels. <i>Journal of General Physiology</i> , 2011, 138, 377-380.  | 1.9  | 5         |
| 33 | An Acute Mouse Spinal Cord Slice Preparation for Studying Glial Activation ex vivo. <i>Bio-protocol</i> , 2017, 7, .  | 0.4  | 2         |
| 34 | Introduction to Connexins and Pannexins in the Healthy and Diseased Nervous System with Thanks to Felikas Bukauskas. <i>Neuroscience Letters</i> , 2019, 695, 1-3.  | 2.1  | 0         |