

# Trevor Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

518  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-bandwidth electrophysiology of seizures and epileptiform activity enabled by flexible graphene microtransistor depth neural probes. <i>Nature Nanotechnology</i> , 2022, 17, 301-309.	31.5	49
2	Characterization of optogenetically-induced cortical spreading depression in awake mice using graphene micro-transistor arrays. <i>Journal of Neural Engineering</i> , 2021, 18, 055002.	3.5	13
3	Methodology for quantifying excitability of identified projection neurons in the dorsal horn of the spinal cord, specifically to study spinal cord stimulation paradigms. <i>Journal of Neuroscience Methods</i> , 2020, 330, 108479.	2.5	8
4	Cutaneous A $\delta$ -Non-nociceptive, but Not C-Nociceptive, Dorsal Root Ganglion Neurons Exhibit Spontaneous Activity in the Streptozotocin Rat Model of Painful Diabetic Neuropathy in vivo. <i>Frontiers in Neuroscience</i> , 2020, 14, 530.	2.8	14
5	Optimisation of bioimpedance measurements of neuronal activity with an ex vivo preparation of Cancer pagurus peripheral nerves. <i>Journal of Neuroscience Methods</i> , 2019, 327, 108322.	2.5	6
6	Activation of K <sub>v</sub> 7 channels with the anticonvulsant retigabine alleviates neuropathic pain behaviour in the streptozotocin rat model of diabetic neuropathy. <i>Journal of Drug Targeting</i> , 2019, 27, 1118-1126.	4.4	17
7	Hyperpolarization-activated cyclic nucleotide-gated channels contribute to spontaneous activity in L4 C-fiber nociceptors, but not A $\delta$ -non-nociceptors, after axotomy of L5-spinal nerve in the rat in vivo. <i>Pain</i> , 2018, 159, 1392-1402.	4.2	23
8	Membrane potential oscillations are not essential for spontaneous firing generation in L4 A $\delta$ -afferent neurons after L5 spinal nerve axotomy and are not mediated by HCN channels. <i>Experimental Physiology</i> , 2018, 103, 1145-1156.	2.0	1
9	Persistent hindlimb inflammation induces changes in activation properties of hyperpolarization-activated current (I <sub>h</sub> ) in rat C-fiber nociceptors in vivo. <i>Neuroscience</i> , 2015, 301, 121-133.	2.3	27
10	Increased expression of HCN2 channel protein in L4 dorsal root ganglion neurons following axotomy of L5- and inflammation of L4-spinal nerves in rats. <i>Neuroscience</i> , 2015, 295, 90-102.	2.3	38
11	C9a is essential for epigenetic silencing of K <sup>+</sup> channel genes in acute-to-chronic pain transition. <i>Nature Neuroscience</i> , 2015, 18, 1746-1755.	14.8	159
12	Safety pharmacology – Current and emerging concepts. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 229-241.	2.8	56
13	Chronic inflammatory pain is associated with increased excitability and hyperpolarization-activated current (I <sub>h</sub> ) in C- but not A $\delta$ -nociceptors. <i>Pain</i> , 2012, 153, 900-914.	4.2	107