Aaron D Mickle

List of Publications by Year
in descending order

27 papers	1,949 citations	394421 19 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	2933 citing authors

#	Article	IF	Citations
1	A wireless closed-loop system for optogenetic peripheral neuromodulation. Nature, 2019, 565, 361-365.	27.8	358
2	Flexible Near-Field Wireless Optoelectronics as Subdermal Implants for Broad Applications in Optogenetics. Neuron, 2017, 93, 509-521.e3.	8.1	323
3	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. Science Advances, 2019, 5, eaaw5296.	10.3	127
4	Sensory TRP Channels. Progress in Molecular Biology and Translational Science, 2015, 131, 73-118.	1.7	117
5	Stretchable multichannel antennas in soft wireless optoelectronic implants for optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8169-E8177.	7.1	111
6	Macrophage angiotensin II type 2 receptor triggers neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8057-E8066.	7.1	107
7	Fully implantable, battery-free wireless optoelectronic devices for spinal optogenetics. Pain, 2017, 158, 2108-2116.	4.2	93
8	Nociceptive TRP Channels: Sensory Detectors and Transducers in Multiple Pain Pathologies. Pharmaceuticals, 2016, 9, 72.	3.8	92
9	Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. Journal of Neuroscience, 2018, 38, 7032-7057.	3.6	92
10	Miniaturized, Batteryâ€Free Optofluidic Systems with Potential for Wireless Pharmacology and Optogenetics. Small, 2018, 14, 1702479.	10.0	91
11	Natural Wax for Transient Electronics. Advanced Functional Materials, 2018, 28, 1801819.	14.9	90
12	Optogenetic silencing of nociceptive primary afferents reduces evoked and ongoing bladder pain. Scientific Reports, 2017, 7, 15865.	3.3	49
13	The C-Type Natriuretic Peptide Induces Thermal Hyperalgesia through a Noncanonical Gî²îµ-dependent Modulation of TRPV1 Channel. Journal of Neuroscience, 2012, 32, 11942-11955.	3.6	44
14	Antinociceptive effects of melatonin in a rat model of post-inflammatory visceral hyperalgesia: A centrally mediated process. Pain, 2010, 149, 555-564.	4.2	38
15	Distinct Modifications in Kv2.1 Channel via Chemokine Receptor CXCR4 Regulate Neuronal Survival-Death Dynamics. Journal of Neuroscience, 2012, 32, 17725-17739.	3.6	33
16	Neonatal cystitis-induced colonic hypersensitivity in adult rats: a model of viscero-visceral convergence. Neurogastroenterology and Motility, 2011, 23, 683-e281.	3.0	29
17	Induction of thermal and mechanical hypersensitivity by parathyroid hormoneâ€“related peptide through upregulation of TRPV1 function and trafficking. Pain, 2015, 156, 1620-1636.	4.2	24
18	A bright future? Optogenetics in the periphery for pain research and therapy. Pain, 2018, 159, S65-S73.	4.2	23

#	Article	IF	Citations
19	Parathyroid Hormone-Related Peptide Elicits Peripheral TRPV1-dependent Mechanical Hypersensitivity. Frontiers in Cellular Neuroscience, 2018, 12, 38.	3.7	20
20	Altered mechanosensitive properties of vagal afferent fibers innervating the stomach following gastric surgery in rats. Neuroscience, 2009, 162, 1299-1306.	2.3	18
21	Visceral analgesic effect of 5-HT4 receptor agonist in rats involves the rostroventral medulla (RVM). Neuropharmacology, 2014, 79, 345-358.	4.1	17
22	Interference With Peroxisome Proliferator-Activated Receptor-Î³ in Vascular Smooth Muscle Causes Baroreflex Impairment and Autonomic Dysfunction. Hypertension, 2014, 64, 590-596.	2.7	13
23	NMDA receptor mediates chronic visceral pain induced by neonatal noxious somatic stimulation. European Journal of Pharmacology, 2014, 744, 28-35.	3.5	13
24	Pronociceptive effect of 5-HT1A receptor agonist on visceral pain involves spinal N-methyl-d-aspartate (NMDA) receptor. Neuroscience, 2012, 219, 243-254.	2.3	11
25	Parathyroid hormoneâ€related peptide activates and modulates <scp>TRPV</scp>1 channel in human <scp>DRG</scp> neurons. European Journal of Pain, 2018, 22, 1685-1690.	2.8	8
26	Characterization of a method to study urodynamics and bladder nociception in male and female mice. LUTS: Lower Urinary Tract Symptoms, 2021, 13, 319-324.	1.3	1
27	Open source timed pressure control hardware and software for delivery of air mediated distensions in animal models. HardwareX, 2022, 11, e00271.	2.2	0