

Aaron D Mickle

List of Publications by Year in descending order

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Version: 2024-02-01

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	Open source timed pressure control hardware and software for delivery of air mediated distensions in animal models. <i>HardwareX</i> , 2022, 11, e00271.	2.2	0
2	Characterization of a method to study urodynamics and bladder nociception in male and female mice. <i>LUTS: Lower Urinary Tract Symptoms</i> , 2021, 13, 319-324.	1.3	1
3	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. <i>Science Advances</i> , 2019, 5, eaaw5296.	10.3	127
4	A wireless closed-loop system for optogenetic peripheral neuromodulation. <i>Nature</i> , 2019, 565, 361-365.	27.8	358
5	Miniaturized, Battery-Free Optofluidic Systems with Potential for Wireless Pharmacology and Optogenetics. <i>Small</i> , 2018, 14, 1702479.	10.0	91
6	A bright future? Optogenetics in the periphery for pain research and therapy. <i>Pain</i> , 2018, 159, S65-S73.	4.2	23
7	Parathyroid hormone-related peptide activates and modulates TRPV1 channel in human DRG neurons. <i>European Journal of Pain</i> , 2018, 22, 1685-1690.	2.8	8
8	Angiotensin II Triggers Peripheral Macrophage-to-Sensory Neuron Redox Crosstalk to Elicit Pain. <i>Journal of Neuroscience</i> , 2018, 38, 7032-7057.	3.6	92
9	Natural Wax for Transient Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1801819.	14.9	90
10	Parathyroid Hormone-Related Peptide Elicits Peripheral TRPV1-dependent Mechanical Hypersensitivity. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 38.	3.7	20
11	Macrophage angiotensin II type 2 receptor triggers neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8057-E8066.	7.1	107
12	Flexible Near-Field Wireless Optoelectronics as Subdermal Implants for Broad Applications in Optogenetics. <i>Neuron</i> , 2017, 93, 509-521.e3.	8.1	323
13	Optogenetic silencing of nociceptive primary afferents reduces evoked and ongoing bladder pain. <i>Scientific Reports</i> , 2017, 7, 15865.	3.3	49
14	Fully implantable, battery-free wireless optoelectronic devices for spinal optogenetics. <i>Pain</i> , 2017, 158, 2108-2116.	4.2	93
15	Nociceptive TRP Channels: Sensory Detectors and Transducers in Multiple Pain Pathologies. <i>Pharmaceuticals</i> , 2016, 9, 72.	3.8	92
16	Stretchable multichannel antennas in soft wireless optoelectronic implants for optogenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8169-E8177.	7.1	111
17	Induction of thermal and mechanical hypersensitivity by parathyroid hormone-related peptide through upregulation of TRPV1 function and trafficking. <i>Pain</i> , 2015, 156, 1620-1636.	4.2	24
18	Sensory TRP Channels. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 131, 73-118.	1.7	117

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19	Interference With Peroxisome Proliferator-Activated Receptor- β in Vascular Smooth Muscle Causes Baroreflex Impairment and Autonomic Dysfunction. <i>Hypertension</i> , 2014, 64, 590-596.	2.7	13
20	NMDA receptor mediates chronic visceral pain induced by neonatal noxious somatic stimulation. <i>European Journal of Pharmacology</i> , 2014, 744, 28-35.	3.5	13
21	Visceral analgesic effect of 5-HT ₄ receptor agonist in rats involves the rostroventral medulla (RVM). <i>Neuropharmacology</i> , 2014, 79, 345-358.	4.1	17
22	The C-Type Natriuretic Peptide Induces Thermal Hyperalgesia through a Noncanonical G β γ -dependent Modulation of TRPV1 Channel. <i>Journal of Neuroscience</i> , 2012, 32, 11942-11955.	3.6	44
23	Distinct Modifications in Kv2.1 Channel via Chemokine Receptor CXCR4 Regulate Neuronal Survival-Death Dynamics. <i>Journal of Neuroscience</i> , 2012, 32, 17725-17739.	3.6	33
24	Pronociceptive effect of 5-HT _{1A} receptor agonist on visceral pain involves spinal N-methyl-d-aspartate (NMDA) receptor. <i>Neuroscience</i> , 2012, 219, 243-254.	2.3	11
25	Neonatal cystitis-induced colonic hypersensitivity in adult rats: a model of viscerovisceral convergence. <i>Neurogastroenterology and Motility</i> , 2011, 23, 683-e281.	3.0	29
26	Antinociceptive effects of melatonin in a rat model of post-inflammatory visceral hyperalgesia: A centrally mediated process. <i>Pain</i> , 2010, 149, 555-564.	4.2	38
27	Altered mechanosensitive properties of vagal afferent fibers innervating the stomach following gastric surgery in rats. <i>Neuroscience</i> , 2009, 162, 1299-1306.	2.3	18