Michael P Jankowski

List of Publications by Year
in descending order

41 papers	1,960 citations	361413 20 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	2731 citing authors

#	Article	IF	Citations
1	The Functional Organization of Cutaneous Low-Threshold Mechanosensory Neurons. Cell, 2011, 147, 1615-1627.	28.9	602
2	Mrgprd Enhances Excitability in Specific Populations of Cutaneous Murine Polymodal Nociceptors. Journal of Neuroscience, 2009, 29, 8612-8619.	3.6	135
3	Sox11 transcription factor modulates peripheral nerve regeneration in adult mice. Brain Research, 2009, 1256, 43-54.	2.2	135
4	Zeb2 recruits HDACâ€“NuRD to inhibit Notch and controls Schwann cell differentiation and remyelination. Nature Neuroscience, 2016, 19, 1060-1072.	14.8	113
5	Comprehensive phenotyping of group III and IV muscle afferents in mouse. Journal of Neurophysiology, 2013, 109, 2374-2381.	1.8	111
6	A histone deacetylase 3â€“dependent pathway delimits peripheral myelin growth and functional regeneration. Nature Medicine, 2018, 24, 338-351.	30.7	76
7	Sensitization of Cutaneous Nociceptors after Nerve Transection and Regeneration: Possible Role of Target-Derived Neurotrophic Factor Signaling. Journal of Neuroscience, 2009, 29, 1636-1647.	3.6	73
8	The tumour suppressor LKB1 regulates myelination through mitochondrial metabolism. Nature Communications, 2014, 5, 4993.	12.8	61
9	Purinergic receptor P2Y1 regulates polymodal C-fiber thermal thresholds and sensory neuron phenotypic switching during peripheral inflammation. Pain, 2012, 153, 410-419.	4.2	47
10	Muscle IL1Â Drives Ischemic Myalgia via ASIC3-Mediated Sensory Neuron Sensitization. Journal of Neuroscience, 2016, 36, 6857-6871.	3.6	38
11	Cutaneous C-polymodal Fibers Lacking TRPV1 are Sensitized to Heat following Inflammation, but Fail to Drive Heat Hyperalgesia in the Absence of TPV1 Containing C-heat Fibers. Molecular Pain, 2010, 6, 1744-8069-6-58.	2.1	37
12	Peripheral Mechanisms of Ischemic Myalgia. Frontiers in Cellular Neuroscience, 2017, 11, 419.	3.7	37
13	Dual Modulation of Nociception and Cardiovascular Reflexes during Peripheral Ischemia through P2Y1 Receptor-Dependent Sensitization of Muscle Afferents. Journal of Neuroscience, 2016, 36, 19-30.	3.6	36
14	Enhanced Artemin/GFRÎ±3 Levels Regulate Mechanically Insensitive, Heat-Sensitive C-Fiber Recruitment after Axotomy and Regeneration. Journal of Neuroscience, 2010, 30, 16272-16283.	3.6	35
15	Sensitization of Group III and IV Muscle Afferents in the Mouse After Ischemia and Reperfusion Injury. Journal of Pain, 2014, 15, 1257-1270.	1.4	28
16	Age-Dependent Sensitization of Cutaneous Nociceptors during Developmental Inflammation. Molecular Pain, 2014, 10, 1744-8069-10-34.	2.1	26
17	Sex differences in primary muscle afferent sensitization following ischemia and reperfusion injury. Biology of Sex Differences, 2018, 9, 2.	4.1	26
18	Single-cell q-PCR derived expression profiles of identified sensory neurons. Molecular Pain, 2019, 15, 174480691988449.	2.1	26

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19	Cutaneous TRPM8-expressing sensory afferents are a small population of neurons with unique firing properties. Physiological Reports, 2017, 5, e13234.	1.7	25
20	The ADP Receptor P2Y1 is Necessary for Normal Thermal Sensitivity in Cutaneous Polymodal Nociceptors. Molecular Pain, 2011, 7, 1744-8069-7-13.	2.1	24
21	Sex differences and mechanisms of muscle pain. Current Opinion in Physiology, 2019, 11, 1-6.	1.8	24
22	Growth hormone regulates the sensitization of developing peripheral nociceptors during cutaneous inflammation. Pain, 2017, 158, 333-346.	4.2	22
23	Interleukin 1Î² inhibition contributes to the antinociceptive effects of voluntary exercise on ischemia/reperfusion-induced hypersensitivity. Pain, 2018, 159, 380-392.	4.2	21
24	Integrated analysis of the molecular pathogenesis of FDXR-associated disease. Cell Death and Disease, 2020, 11, 423.	6.3	21
25	A dual role for peripheral GDNF signaling in nociception and cardiovascular reflexes in the mouse. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 698-707.	7.1	20
26	Dynamic Changes in Heat Transducing Channel TRPV1 Expression Regulate Mechanically Insensitive, Heat Sensitive C-Fiber Recruitment after Axotomy and Regeneration. Journal of Neuroscience, 2012, 32, 17869-17873.	3.6	19
27	Systemic administration of AAV-Slc25a46 mitigates mitochondrial neuropathy in Slc25a46âˆ’/âˆ’ mice. Human Molecular Genetics, 2020, 29, 649-661.	2.9	19
28	Purinergic signaling in peripheral nervous system glial cells. Glia, 2021, 69, 1837-1851.	4.9	19
29	Increased Expression of Transcription Factor SRY-box-Containing Gene 11 (Sox11) Enhances Neurite Growth by Regulating Neurotrophic Factor Responsiveness. Neuroscience, 2018, 382, 93-104.	2.3	16
30	The evolution and multi-molecular properties of NF1 cutaneous neurofibromas originating from C-fiber sensory endings and terminal Schwann cells at normal sites of sensory terminations in the skin. PLoS ONE, 2019, 14, e0216527.	2.5	15
31	Early Life Nociception is Influenced by Peripheral Growth Hormone Signaling. Journal of Neuroscience, 2021, 41, 4410-4427.	3.6	14
32	Systemic growth hormone deficiency causes mechanical and thermal hypersensitivity during early postnatal development. IBRO Reports, 2019, 6, 111-121.	0.3	10
33	Tonic ATP-mediated growth suppression in peripheral nerve glia requires arrestin-PP2 and is evaded in NF1. Acta Neuropathologica Communications, 2018, 6, 127.	5.2	9
34	Hyaluronan homeostasis and its role in pain and muscle stiffness. PM and R, 2022, 14, 1490-1496.	1.6	9
35	Deletion of the murine ATP/UTP receptor P2Y2 alters mechanical and thermal response properties in polymodal cutaneous afferents. Neuroscience, 2016, 332, 223-230.	2.3	7
36	Upregulation of P2Y1 in neonatal nociceptors regulates heat and mechanical sensitization during cutaneous inflammation. Molecular Pain, 2017, 13, 174480691773025.	2.1	5

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37	Genetic and epigenetic mechanisms influencing acute to chronic postsurgical pain transitions in pediatrics: Preclinical to clinical evidence. Canadian Journal of Pain, 2022, 6, 85-107.	1.7	5
38	Disruption of Hyaluronic Acid in Skeletal Muscle Induces Decreased Voluntary Activity via Chemosensitive Muscle Afferent Sensitization in Male Mice. ENeuro, 2022, 9, ENEURO.0522-21.2022.	1.9	5
39	Systemic Delivery of AAV-Fdxr Mitigates the Phenotypes of Mitochondrial Disorders in Fdxr Mutant Mice. Molecular Therapy - Methods and Clinical Development, 2020, 18, 84-97.	4.1	4
40	In silico Identification of Key Factors Driving the Response of Muscle Sensory Neurons to Noxious Stimuli. Frontiers in Neuroscience, 2021, 15, 719735.	2.8	2
41	A new role of growth hormone and insulin-like growth factor receptor type 1 in neonatal inflammatory nociception: response to commentary. Pain Reports, 2017, 2, e609.	2.7	0