

Ji Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,688
citations

172457

29
h-index

223800

46
g-index

54
all docs

54
docs citations

54
times ranked

5505
citing authors

#	ARTICLE	IF	CITATIONS
1	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. <i>Nature Neuroscience</i> , 2015, 18, 1081-1083.	14.8	1,041
2	Expression of CCR2 in Both Resident and Bone Marrow-Derived Microglia Plays a Critical Role in Neuropathic Pain. <i>Journal of Neuroscience</i> , 2007, 27, 12396-12406.	3.6	381
3	Induction of CB2 receptor expression in the rat spinal cord of neuropathic but not inflammatory chronic pain models. <i>European Journal of Neuroscience</i> , 2003, 17, 2750-2754.	2.6	366
4	Spatial and temporal relationship between monocyte chemoattractant protein-1 expression and spinal glial activation following peripheral nerve injury. <i>Journal of Neurochemistry</i> , 2006, 97, 772-783.	3.9	304
5	Functional Recovery after Peripheral Nerve Injury is Dependent on the Pro-Inflammatory Cytokines IL-1 β and TNF: Implications for Neuropathic Pain. <i>Journal of Neuroscience</i> , 2011, 31, 12533-12542.	3.6	276
6	Peripheral Nerve Injury Alters Blood-Spinal Cord Barrier Functional and Molecular Integrity through a Selective Inflammatory Pathway. <i>Journal of Neuroscience</i> , 2011, 31, 10819-10828.	3.6	211
7	Distribution, regulation and colocalization of the genes encoding the EP ₂ and EP ₄ receptors in the rat brain and neuronal responses to systemic inflammation. <i>European Journal of Neuroscience</i> , 1999, 11, 2651-2668.	2.6	196
8	Characterization of cell proliferation in rat spinal cord following peripheral nerve injury and the relationship with neuropathic pain. <i>Pain</i> , 2008, 135, 37-47.	4.2	181
9	Chemokine Action in the Nervous System. <i>Journal of Neuroscience</i> , 2008, 28, 11792-11795.	3.6	120
10	Transforming Growth Factor- β 1 Impairs Neuropathic Pain through Pleiotropic Effects. <i>Molecular Pain</i> , 2009, 5, 1744-8069-5-16.	2.1	118
11	Role of IL-10 in Resolution of Inflammation and Functional Recovery after Peripheral Nerve Injury. <i>Journal of Neuroscience</i> , 2015, 35, 16431-16442.	3.6	108
12	Peripheral Nerve Injury Induces Persistent Vascular Dysfunction and Endoneurial Hypoxia, Contributing to the Genesis of Neuropathic Pain. <i>Journal of Neuroscience</i> , 2015, 35, 3346-3359.	3.6	101
13	Targeting macrophage and microglia activation with colony stimulating factor 1 receptor inhibitor is an effective strategy to treat injury-triggered neuropathic pain. <i>Molecular Pain</i> , 2018, 14, 174480691876497.	2.1	95
14	Oligodendroglial pathology in Multiple Sclerosis: Low Glycolytic Metabolic Rate Promotes Oligodendrocyte Survival. <i>Journal of Neuroscience</i> , 2016, 36, 4698-4707.	3.6	89
15	Anti-inflammatory effects of prostaglandin E ₂ in the central nervous system in response to brain injury and circulating lipopolysaccharide. <i>Journal of Neurochemistry</i> , 2008, 76, 855-864.	3.9	87
16	Spinal microglia are required for long-term maintenance of neuropathic pain. <i>Pain</i> , 2017, 158, 1792-1801.	4.2	83
17	Blood-nerve barrier dysfunction contributes to the generation of neuropathic pain and allows targeting of injured nerves for pain relief. <i>Pain</i> , 2014, 155, 954-967.	4.2	70
18	A Functional Analysis of EP4 Receptor-Expressing Neurons in Mediating the Action of Prostaglandin E ₂ Within Specific Nuclei of the Brain in Response to Circulating Interleukin-1 β . <i>Journal of Neurochemistry</i> , 2008, 74, 2134-2145.	3.9	65

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19	Statins alleviate experimental nerve injury-induced neuropathic pain. <i>Pain</i> , 2011, 152, 1033-1043.	4.2	60
20	Attenuation of rodent neuropathic pain by an orally active peptide, RAP-103, which potently blocks CCR2- and CCR5-mediated monocyte chemotaxis and inflammation. <i>Pain</i> , 2012, 153, 95-106.	4.2	60
21	The role of TLR2 in nerve injury-induced neuropathic pain is essentially mediated through macrophages in peripheral inflammatory response. <i>Glia</i> , 2011, 59, 231-241.	4.9	55
22	Distinctive Response of CNS Glial Cells in Orofacial Pain Associated with Injury, Infection and Inflammation. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-79.	2.1	53
23	Microglia-mediated degradation of perineuronal nets promotes pain. <i>Science</i> , 2022, 377, 80-86.	12.6	52
24	Asparagine: A Metabolite to Be Targeted in Cancers. <i>Metabolites</i> , 2021, 11, 402.	2.9	47
25	Heterogeneity of macrophages in injured trigeminal nerves: Cytokine/chemokine expressing vs. phagocytic macrophages. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 891-903.	4.1	42
26	Mitochondrial and Bioenergetic Dysfunction in Trauma-Induced Painful Peripheral Neuropathy. <i>Molecular Pain</i> , 2015, 11, s12990-015-0057.	2.1	42
27	Selectively reducing cytokine/chemokine expressing macrophages in injured nerves impairs the development of neuropathic pain. <i>Experimental Neurology</i> , 2013, 240, 205-218.	4.1	41
28	Dynamics of spinal microglia repopulation following an acute depletion. <i>Scientific Reports</i> , 2016, 6, 22839.	3.3	40
29	Salt Sensing by Serum/Glucocorticoid-Regulated Kinase 1 Promotes Th17-like Inflammatory Adaptation of Foxp3+ Regulatory T Cells. <i>Cell Reports</i> , 2020, 30, 1515-1529.e4.	6.4	33
30	Can Modulating Inflammatory Response be a Good Strategy to Treat Neuropathic Pain?. <i>Current Pharmaceutical Design</i> , 2014, 21, 831-839.	1.9	33
31	Sustained and repeated mouth opening leads to development of painful temporomandibular disorders involving macrophage/microglia activation in mice. <i>Pain</i> , 2018, 159, 1277-1288.	4.2	30
32	A new animal model of spontaneous autoimmune peripheral polyneuropathy: implications for Guillain-Barré syndrome. <i>Acta Neuropathologica Communications</i> , 2014, 2, 5.	5.2	28
33	Evidence from Human and Animal Studies: Pathological Roles of CD8+ T Cells in Autoimmune Peripheral Neuropathies. <i>Frontiers in Immunology</i> , 2015, 6, 532.	4.8	27
34	How the Blood Talks to the Brain Parenchyma and the Paraventricular Nucleus of the Hypothalamus During Systemic Inflammatory and Infectious Stimuli. <i>Proceedings of the Society for Experimental Biology and Medicine</i> , 2000, 223, 22-38.	1.8	22
35	Does Low Grade Systemic Inflammation Have a Role in Chronic Pain?. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 785214.	2.9	18
36	Characteristics of spinal microglia in aged and obese mice: potential contributions to impaired sensory behavior. <i>Immunity and Ageing</i> , 2015, 12, 22.	4.2	16

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37	The geriatric pain experience in mice: intact cutaneous thresholds but altered responses to tonic and chronic pain. <i>Neurobiology of Aging</i> , 2020, 89, 1-11.	3.1	16
38	Effector/memory CD8 + T cells synergize with co-stimulation competent macrophages to trigger autoimmune peripheral neuropathy. <i>Brain, Behavior, and Immunity</i> , 2018, 71, 142-157.	4.1	15
39	Is Survival Possible Without Arachidonate Metabolites in the Brain During Systemic Infection?. <i>Physiology</i> , 2003, 18, 137-142.	3.1	11
40	Correlation of serum alanine aminotransferase and aspartate aminotransferase with coronary heart disease. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 4399-404.	1.3	10
41	Serum Soluble ST2 Is a Valuable Prognostic Biomarker in Patients With Acute Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 812654.	2.4	10
42	High-salt diet decreases mechanical thresholds in mice that is mediated by a CCR2-dependent mechanism. <i>Journal of Neuroinflammation</i> , 2020, 17, 179.	7.2	9
43	Inhibition of TLR4 signaling protects mice from sensory and motor dysfunction in an animal model of autoimmune peripheral neuropathy. <i>Journal of Neuroinflammation</i> , 2021, 18, 77.	7.2	8
44	Unbiased proteomic analysis detects painful systemic inflammatory profile in the serum of nerve-injured mice. <i>Pain</i> , 2023, 164, e77-e90.	4.2	6
45	Potential of morphine antinociception and inhibition of diabetic neuropathic pain by the multi-chemokine receptor antagonist peptide RAP-103. <i>Life Sciences</i> , 2022, 306, 120788.	4.3	6
46	Murine cytomegalovirus infection in mice results in an acute inflammatory reaction in peripheral nerves. <i>Journal of Neuroimmunology</i> , 2019, 335, 577017.	2.3	4
47	Arachidonate Metabolites in the Neurophysiological System: The Fever Pathway. , 0, , 463-472.		0
48	Connecting Biological Themes Using a Single Human Network of Gene Associations. , 2009, , .		0
49	CX3CR1 But Not CCR2 Expression Is Required for the Development of Autoimmune Peripheral Neuropathy in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 720733.	4.8	0
50	The Impact of High Salt Diet on the Nociceptive Pain Thresholds and Functional Phenotype of Myeloid Cells. <i>Canadian Journal of Pain</i> , 0, , .	1.7	0