

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38 papers	5,302 citations	22 h-index	45 g-index
45 ext. papers	6,186 ext. citations	7.1 avg, IF	4.03 L-index

#	Paper	IF	Citations
38	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
37	TRPV1 channels are critical brain inflammation detectors and neuropathic pain biomarkers in mice. <i>Nature Communications</i> , 2017 , 8, 15292	17.4	117
36	Denervation-activated STAT3-IL-6 signalling in fibro-adipogenic progenitors promotes myofibres atrophy and fibrosis. <i>Nature Cell Biology</i> , 2018 , 20, 917-927	23.4	100
35	The function neutralizing anti-TrkA antibody MNAC13 reduces inflammatory and neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2985-90	11.5	100
34	The analgesic effect on neuropathic pain of retrogradely transported botulinum neurotoxin A involves Schwann cells and astrocytes. <i>PLoS ONE</i> , 2012 , 7, e47977	3.7	96
33	Anti-allodynic efficacy of botulinum neurotoxin A in a model of neuropathic pain. <i>Neuroscience</i> , 2007 , 145, 1-4	3.9	80
32	Short- but not long-lasting treadmill running reduces allodynia and improves functional recovery after peripheral nerve injury. <i>Neuroscience</i> , 2010 , 168, 273-87	3.9	78
31	Taking pain out of NGF: a "painless" NGF mutant, linked to hereditary sensory autonomic neuropathy type V, with full neurotrophic activity. <i>PLoS ONE</i> , 2011 , 6, e17321	3.7	73
30	Botulinum neurotoxin type A counteracts neuropathic pain and facilitates functional recovery after peripheral nerve injury in animal models. <i>Neuroscience</i> , 2010 , 171, 316-28	3.9	66
29	Schwann cell autophagy counteracts the onset and chronification of neuropathic pain. <i>Pain</i> , 2014 , 155, 93-107	8	61
28	Botulinum neurotoxins and formalin-induced pain: central vs. peripheral effects in mice. <i>Brain Research</i> , 2006 , 1082, 124-31	3.7	61
27	Higher pain perception and lack of recovery from neuropathic pain in females: a behavioural, immunohistochemical, and proteomic investigation on sex-related differences in mice. <i>Pain</i> , 2014 , 155, 388-402	8	58
26	The effect of botulinum neurotoxin A on sciatic nerve injury-induced neuroimmunological changes in rat dorsal root ganglia and spinal cord. <i>Neuroscience</i> , 2011 , 175, 358-66	3.9	54
25	ProNGFNGF imbalance triggers learning and memory deficits, neurodegeneration and spontaneous epileptic-like discharges in transgenic mice. <i>Cell Death and Differentiation</i> , 2013 , 20, 1017-30	12.7	51
24	Pain sensitivity in mice lacking the Ca(v)2.1alpha1 subunit of P/Q-type Ca ²⁺ channels. <i>Neuroscience</i> , 2006 , 142, 823-32	3.9	51
23	Intranasal "painless" human Nerve Growth Factor [corrected] slows amyloid neurodegeneration and prevents memory deficits in App X PS1 mice. <i>PLoS ONE</i> , 2012 , 7, e37555	3.7	46
22	Participation of pro- and anti-nociceptive interleukins in botulinum toxin A-induced analgesia in a rat model of neuropathic pain. <i>European Journal of Pharmacology</i> , 2016 , 791, 377-388	5.3	43

21	Botulinum toxin A increases analgesic effects of morphine, counters development of morphine tolerance and modulates glia activation and opioid receptor expression in neuropathic mice. <i>Brain, Behavior, and Immunity</i> , 2013 , 32, 40-50	16.6	38
20	In vitro receptor binding properties of a "painless" NGF mutein, linked to hereditary sensory autonomic neuropathy type V. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 824-9	3.4	38
19	Modeling socially anhedonic syndromes: genetic and pharmacological manipulation of opioid neurotransmission in mice. <i>Translational Psychiatry</i> , 2012 , 2, e155	8.6	38
18	17beta-estradiol counteracts neuropathic pain: a behavioural, immunohistochemical, and proteomic investigation on sex-related differences in mice. <i>Scientific Reports</i> , 2016 , 6, 18980	4.9	31
17	The Rac GTPase-activating bacterial protein toxin CNF1 induces analgesia up-regulating mu-opioid receptors. <i>Pain</i> , 2009 , 145, 219-29	8	22
16	Botulinum neurotoxin A enhances the analgesic effects on inflammatory pain and antagonizes tolerance induced by morphine in mice. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 489-99	16.6	21
15	D-aspartate modulates nociceptive-specific neuron activity and pain threshold in inflammatory and neuropathic pain condition in mice. <i>BioMed Research International</i> , 2015 , 2015, 905906	3	19
14	Effects of caloric restriction on neuropathic pain, peripheral nerve degeneration and inflammation in normometabolic and autophagy defective prediabetic Ambra1 mice. <i>PLoS ONE</i> , 2018 , 13, e0208596	3.7	14
13	M2 receptors exert analgesic action on DRG sensory neurons by negatively modulating VR1 activity. <i>Journal of Cellular Physiology</i> , 2014 , 229, 783-90	7	9
12	Innovative mouse model mimicking human-like features of spinal cord injury: efficacy of Docosahexaenoic acid on acute and chronic phases. <i>Scientific Reports</i> , 2019 , 9, 8883	4.9	7
11	Botulinum Toxin B Affects Neuropathic Pain but Not Functional Recovery after Peripheral Nerve Injury in a Mouse Model. <i>Toxins</i> , 2018 , 10,	4.9	7
10	Activation of skeletal muscle-resident glial cells upon nerve injury. <i>JCI Insight</i> , 2021 , 6,	9.9	6
9	Effects of age-related loss of P/Q-type calcium channels in a mice model of peripheral nerve injury. <i>Neurobiology of Aging</i> , 2015 , 36, 352-64	5.6	5
8	Single cycle structure-based humanization of an anti-nerve growth factor therapeutic antibody. <i>PLoS ONE</i> , 2012 , 7, e32212	3.7	5
7	Revealing the Therapeutic Potential of Botulinum Neurotoxin Type A in Counteracting Paralysis and Neuropathic Pain in Spinally Injured Mice. <i>Toxins</i> , 2020 , 12,	4.9	5
6	Impact of caloric restriction on peripheral nerve injury-induced neuropathic pain during ageing in mice. <i>European Journal of Pain</i> , 2020 , 24, 374-382	3.7	4
5	Very Early Involvement of Innate Immunity in Peripheral Nerve Degeneration in SOD1-G93A Mice. <i>Frontiers in Immunology</i> , 2020 , 11, 575792	8.4	3
4	Sexually Dimorphic Immune and Neuroimmune Changes Following Peripheral Nerve Injury in Mice: Novel Insights for Gender Medicine. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

- 3 Dataset of botulinum toxin A influence on interleukins under neuropathy. *Data in Brief*, **2016**, 9, 1020-1023 2
- 2 Targeting cancer stem cells in medulloblastoma by inhibiting AMBRA1 dual function in autophagy and STAT3 signalling. *Acta Neuropathologica*, **2021**, 142, 537-564 14.3 1
- 1 CXCR2 increases in ALS cortical neurons and its inhibition prevents motor neuron degeneration in vitro and improves neuromuscular function in SOD1G93A mice. *Neurobiology of Disease*, **2021**, 160, 105538 7.5 0