

Simon Beggs

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

8,352
citations

109321

35
h-index

243625

44
g-index

49
all docs

49
docs citations

49
times ranked

7959
citing authors

#	ARTICLE	IF	CITATIONS
1	BDNF from microglia causes the shift in neuronal anion gradient underlying neuropathic pain. <i>Nature</i> , 2005, 438, 1017-1021.	27.8	1,690
2	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. <i>Nature Neuroscience</i> , 2015, 18, 1081-1083.	14.8	1,041
3	Sublime Microglia: Expanding Roles for the Guardians of the CNS. <i>Cell</i> , 2014, 158, 15-24.	28.9	441
4	P2X4-Receptor-Mediated Synthesis and Release of Brain-Derived Neurotrophic Factor in Microglia Is Dependent on Calcium and p38-Mitogen-Activated Protein Kinase Activation. <i>Journal of Neuroscience</i> , 2009, 29, 3518-3528.	3.6	420
5	Spinal Cord Toll-Like Receptor 4 Mediates Inflammatory and Neuropathic Hypersensitivity in Male But Not Female Mice. <i>Journal of Neuroscience</i> , 2011, 31, 15450-15454.	3.6	394
6	Morphine hyperalgesia gated through microglia-mediated disruption of neuronal Cl ⁻ homeostasis. <i>Nature Neuroscience</i> , 2013, 16, 183-192.	14.8	385
7	Genetically determined P2X7 receptor pore formation regulates variability in chronic pain sensitivity. <i>Nature Medicine</i> , 2012, 18, 595-599.	30.7	335
8	P2X4R+ microglia drive neuropathic pain. <i>Nature Neuroscience</i> , 2012, 15, 1068-1073.	14.8	313
9	Transformation of the Output of Spinal Lamina I Neurons After Nerve Injury and Microglia Stimulation Underlying Neuropathic Pain. <i>Molecular Pain</i> , 2007, 3, 1744-8069-3-27.	2.1	221
10	Treatment of inflammatory and neuropathic pain by uncoupling Src from the NMDA receptor complex. <i>Nature Medicine</i> , 2008, 14, 1325-1332.	30.7	195
11	Priming of adult pain responses by neonatal pain experience: maintenance by central neuroimmune activity. <i>Brain</i> , 2012, 135, 404-417.	7.6	185
12	Brain-derived neurotrophic factor from microglia: a molecular substrate for neuropathic pain. <i>Neuron Glia Biology</i> , 2011, 7, 99-108.	1.6	170
13	Microglial P2X4R-evoked pain hypersensitivity is sexually dimorphic in rats. <i>Pain</i> , 2018, 159, 1752-1763.	4.2	165
14	Sex differences in pain. <i>Pain</i> , 2016, 157, S2-S6.	4.2	158
15	A Role for HSP27 in Sensory Neuron Survival. <i>Journal of Neuroscience</i> , 1999, 19, 8945-8953.	3.6	155
16	Peripheral Nerve Injury and TRPV1-Expressing Primary Afferent C-Fibers Cause Opening of the Blood-Brain Barrier. <i>Molecular Pain</i> , 2010, 6, 1744-8069-6-74.	2.1	146
17	Stereological and somatotopic analysis of the spinal microglial response to peripheral nerve injury. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 624-633.	4.1	127
18	ATP receptors gate microglia signaling in neuropathic pain. <i>Experimental Neurology</i> , 2012, 234, 354-361.	4.1	123

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19	The postnatal reorganization of primary afferent input and dorsal horn cell receptive fields in the rat spinal cord is an activity-dependent process. <i>European Journal of Neuroscience</i> , 2002, 16, 1249-1258.	2.6	121
20	Changes in tactile stimuli-induced behavior and c-Fos expression in the superficial dorsal horn and in parabrachial nuclei after sciatic nerve crush. <i>Journal of Comparative Neurology</i> , 2000, 428, 45-61.	1.6	114
21	Potential of Synaptic GluN2B NMDAR Currents by Fyn Kinase Is Gated through BDNF-Mediated Disinhibition in Spinal Pain Processing. <i>Cell Reports</i> , 2016, 17, 2753-2765.	6.4	110
22	Spinal microglia and neuropathic pain in young rats. <i>Pain</i> , 2007, 128, 215-224.	4.2	106
23	Microglia and intractable chronic pain. <i>Glia</i> , 2013, 61, 55-61.	4.9	94
24	Sucrose for Procedural Pain Management in Infants. <i>Pediatrics</i> , 2012, 130, 918-925.	2.1	89
25	Microglia-neuronal signalling in neuropathic pain hypersensitivity 2.0. <i>Current Opinion in Neurobiology</i> , 2010, 20, 474-480.	4.2	82
26	Molecules in pain and sex: a developing story. <i>Molecular Brain</i> , 2017, 10, 9.	2.6	81
27	Purinoreceptors in microglia and neuropathic pain. <i>Pflugers Archiv European Journal of Physiology</i> , 2006, 452, 645-652.	2.8	72
28	ErbB4 is a suppressor of long-term potentiation in the adult hippocampus. <i>NeuroReport</i> , 2008, 19, 139-143.	1.2	72
29	The known knowns of microglia-neuronal signalling in neuropathic pain. <i>Neuroscience Letters</i> , 2013, 557, 37-42.	2.1	67
30	Persistent changes in peripheral and spinal nociceptive processing after early tissue injury. <i>Experimental Neurology</i> , 2016, 275, 253-260.	4.1	63
31	Priming of Adult Incision Response by Early-Life Injury: Neonatal Microglial Inhibition Has Persistent But Sexually Dimorphic Effects in Adult Rats. <i>Journal of Neuroscience</i> , 2019, 39, 3081-3093.	3.6	62
32	GluN2B and GluN2D NMDARs dominate synaptic responses in the adult spinal cord. <i>Scientific Reports</i> , 2014, 4, 4094.	3.3	55
33	Long-Term Consequences of Neonatal Injury. <i>Canadian Journal of Psychiatry</i> , 2015, 60, 176-180.	1.9	49
34	Pharmacologic rescue of motor and sensory function by the neuroprotective compound P7C3 following neonatal nerve injury. <i>Neuroscience</i> , 2015, 284, 202-216.	2.3	41
35	SnapShot: Microglia in Disease. <i>Cell</i> , 2016, 165, 1294-1294.e1.	28.9	34
36	A role for NT-3 in the hyperinnervation of neonatally wounded skin. <i>Pain</i> , 2012, 153, 2133-2139.	4.2	33

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37	Targeting p38 Mitogen-activated Protein Kinase to Reduce the Impact of Neonatal Microglial Priming on Incision-induced Hyperalgesia in the Adult Rat. <i>Anesthesiology</i> , 2015, 122, 1377-1390.	2.5	32
38	Fyn Kinase regulates GluN2B subunit-dominant NMDA receptors in human induced pluripotent stem cell-derived neurons. <i>Scientific Reports</i> , 2016, 6, 23837.	3.3	25
39	Opioid analgesia and the somatosensory memory of neonatal surgical injury in the adult rat. <i>British Journal of Anaesthesia</i> , 2018, 121, 314-324.	3.4	24
40	Microglia-independent peripheral neuropathic pain in male and female mice. <i>Pain</i> , 2022, 163, e1129-e1144.	4.2	15
41	Neuropathic pain: symptoms, models, and mechanisms. <i>Drug Development Research</i> , 2006, 67, 289-301.	2.9	14
42	Taking two cuts at pain. <i>Nature Medicine</i> , 2008, 14, 243-244.	30.7	4
43	A Straightjacket for Pain?. <i>Cell</i> , 2010, 143, 505-507.	28.9	1
44	Developmental Aspects of Pain. , 2017, , 1390-1395.e2.		1
45	Pharmacologic rescue of motor and sensory function following neonatal peripheral nerve injury. <i>Journal of the American College of Surgeons</i> , 2014, 219, e135-e136.	0.5	0
46	Microglia and Trophic Factors in Neuropathic Pain States. , 2009, , 439-453.		0