Simon Beggs

List of Publications by Year
in descending order

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	Microglia-independent peripheral neuropathic pain in male and female mice. Pain, 2022, 163, e1129-e1144.	4.2	15
2	Priming of Adult Incision Response by Early-Life Injury: Neonatal Microglial Inhibition Has Persistent But Sexually Dimorphic Effects in Adult Rats. Journal of Neuroscience, 2019, 39, 3081-3093.	3.6	62
3	Opioid analgesia and the somatosensory memory of neonatal surgical injury in the adult rat. British Journal of Anaesthesia, 2018, 121, 314-324.	3.4	24
4	Microglial P2X4R-evoked pain hypersensitivity is sexually dimorphic in rats. Pain, 2018, 159, 1752-1763.	4.2	165
5	Molecules in pain and sex: a developing story. Molecular Brain, 2017, 10, 9.	2.6	81
6	Developmental Aspects of Pain. , 2017, , 1390-1395.e2.		1
7	Sex differences in pain. Pain, 2016, 157, S2-S6.	4.2	158
8	Potentiation of Synaptic GluN2B NMDAR Currents by Fyn Kinase Is Gated through BDNF-Mediated Disinhibition in Spinal Pain Processing. Cell Reports, 2016, 17, 2753-2765.	6.4	110
9	Fyn Kinase regulates GluN2B subunit-dominant NMDA receptors in human induced pluripotent stem cell-derived neurons. Scientific Reports, 2016, 6, 23837.	3.3	25
10	SnapShot: Microglia in Disease. Cell, 2016, 165, 1294-1294.e1.	28.9	34
11	Persistent changes in peripheral and spinal nociceptive processing after early tissue injury. Experimental Neurology, 2016, 275, 253-260.	4.1	63
12	Long-Term Consequences of Neonatal Injury. Canadian Journal of Psychiatry, 2015, 60, 176-180.	1.9	49
13	Targeting p38 Mitogen-activated Protein Kinase to Reduce the Impact of Neonatal Microglial Priming on Incision-induced Hyperalgesia in the Adult Rat. Anesthesiology, 2015, 122, 1377-1390.	2.5	32
14	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. Nature Neuroscience, 2015, 18, 1081-1083.	14.8	1,041
15	Pharmacologic rescue of motor and sensory function by the neuroprotective compound P7C3 following neonatal nerve injury. Neuroscience, 2015, 284, 202-216.	2.3	41
16	Pharmacologic rescue of motor and sensory function following neonatal peripheral nerve injury. Journal of the American College of Surgeons, 2014, 219, e135-e136.	0.5	0
17	Sublime Microglia: Expanding Roles for the Guardians of the CNS. Cell, 2014, 158, 15-24.	28.9	441
18	GluN2B and GluN2D NMDARs dominate synaptic responses in the adult spinal cord. Scientific Reports, 2014, 4, 4094.	3.3	55

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19	Microglia and intractable chronic pain. Glia, 2013, 61, 55-61.	4.9	94
20	The known knowns of microgliaâ€“neuronal signalling in neuropathic pain. Neuroscience Letters, 2013, 557, 37-42.	2.1	67
21	Morphine hyperalgesia gated through microglia-mediated disruption of neuronal Clâˆ' homeostasis. Nature Neuroscience, 2013, 16, 183-192.	14.8	385
22	Priming of adult pain responses by neonatal pain experience: maintenance by central neuroimmune activity. Brain, 2012, 135, 404-417.	7.6	185
23	Sucrose for Procedural Pain Management in Infants. Pediatrics, 2012, 130, 918-925.	2.1	89
24	Genetically determined P2X7 receptor pore formation regulates variability in chronic pain sensitivity. Nature Medicine, 2012, 18, 595-599.	30.7	335
25	A role for NT-3 in the hyperinnervation of neonatally wounded skin. Pain, 2012, 153, 2133-2139.	4.2	33
26	P2X4R+ microglia drive neuropathic pain. Nature Neuroscience, 2012, 15, 1068-1073.	14.8	313
27	ATP receptors gate microglia signaling in neuropathic pain. Experimental Neurology, 2012, 234, 354-361.	4.1	123
28	Brain-derived neurotrophic factor from microglia: a molecular substrate for neuropathic pain. Neuron Glia Biology, 2011, 7, 99-108.	1.6	170
29	Spinal Cord Toll-Like Receptor 4 Mediates Inflammatory and Neuropathic Hypersensitivity in Male But Not Female Mice. Journal of Neuroscience, 2011, 31, 15450-15454.	3.6	394
30	Microgliaâ€“neuronal signalling in neuropathic pain hypersensitivity 2.0. Current Opinion in Neurobiology, 2010, 20, 474-480.	4.2	82
31	A Straightjacket for Pain?. Cell, 2010, 143, 505-507.	28.9	1
32	Peripheral Nerve Injury and TRPV1-Expressing Primary Afferent C-Fibers Cause Opening of the Blood-Brain Barrier. Molecular Pain, 2010, 6, 1744-8069-6-74.	2.1	146
33	P2X4-Receptor-Mediated Synthesis and Release of Brain-Derived Neurotrophic Factor in Microglia Is Dependent on Calcium and p38-Mitogen-Activated Protein Kinase Activation. Journal of Neuroscience, 2009, 29, 3518-3528.	3.6	420
34	Microglia and Trophic Factors in Neuropathic Pain States. , 2009, , 439-453.		0
35	Treatment of inflammatory and neuropathic pain by uncoupling Src from the NMDA receptor complex. Nature Medicine, 2008, 14, 1325-1332.	30.7	195
36	Taking two cuts at pain. Nature Medicine, 2008, 14, 243-244.	30.7	4

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37	ErbB4 is a suppressor of long-term potentiation in the adult hippocampus. NeuroReport, 2008, 19, 139-143.	1.2	72
38	Spinal microglia and neuropathic pain in young rats. Pain, 2007, 128, 215-224.	4.2	106
39	Stereological and somatotopic analysis of the spinal microglial response to peripheral nerve injury. Brain, Behavior, and Immunity, 2007, 21, 624-633.	4.1	127
40	Transformation of the Output of Spinal Lamina I Neurons After Nerve Injury and Microglia Stimulation Underlying Neuropathic Pain. Molecular Pain, 2007, 3, 1744-8069-3-27.	2.1	221
41	Purinoceptors in microglia and neuropathic pain. Pflugers Archiv European Journal of Physiology, 2006, 452, 645-652.	2.8	72
42	Neuropathic pain: symptoms, models, and mechanisms. Drug Development Research, 2006, 67, 289-301.	2.9	14
43	BDNF from microglia causes the shift in neuronal anion gradient underlying neuropathic pain. Nature, 2005, 438, 1017-1021.	27.8	1,690
44	The postnatal reorganization of primary afferent input and dorsal horn cell receptive fields in the rat spinal cord is an activityâ€dependent process. European Journal of Neuroscience, 2002, 16, 1249-1258.	2.6	121
45	Changes in tactile stimuli-induced behavior and c-Fos expression in the superficial dorsal horn and in parabrachial nuclei after sciatic nerve crush. Journal of Comparative Neurology, 2000, 428, 45-61.	1.6	114
46	A Role for HSP27 in Sensory Neuron Survival. Journal of Neuroscience, 1999, 19, 8945-8953.	3.6	155