Gareth Hathaway

List of Publications by Year
in descending order

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43	1,781	279798	276875
papers	citations	23 h-index	41 g-index

45	45	45	2055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nociceptor-derived brain-derived neurotrophic factor regulates acute and inflammatory but not neuropathic pain. Molecular and Cellular Neurosciences, 2006, 31, 539-548.	2.2	148
2	Brief, low frequency stimulation of rat peripheral C-fibres evokes prolonged microglial-induced central sensitization in adults but not in neonates. Pain, 2009, 144, 110-118.	4.2	115
3	Spinal microglia and neuropathic pain in young rats. Pain, 2007, 128, 215-224.	4.2	106
4	The Contribution of Spinal Glial Cells to Chronic Pain Behaviour in the Monosodium Iodoacetate Model of Osteoarthritic Pain. Molecular Pain, 2011, 7, 1744-8069-7-88.	2.1	105
5	The changing balance of brainstemâ€“spinal cord modulation of pain processing over the first weeks of rat postnatal life. Journal of Physiology, 2009, 587, 2927-2935.	2.9	104
6	Increased function of pronociceptive TRPV1 at the level of the joint in a rat model of osteoarthritis pain. Annals of the Rheumatic Diseases, 2015, 74, 252-259.	0.9	95
7	Cannabinoid CB2 Receptors Regulate Central Sensitization and Pain Responses Associated with Osteoarthritis of the Knee Joint. PLoS ONE, 2013, 8, e80440.	2.5	83
8	Neuron-immune mechanisms contribute to pain in early stages of arthritis. Journal of Neuroinflammation, 2016, 13, 96.	7.2	81
9	Somatostatin receptor 2 knockout/lacZknockin mice show impaired motor coordination and reveal sites of somatostatin action within the striatum. European Journal of Neuroscience, 2003, 17, 1881-1895.	2.6	73
10	Stroking modulates noxious-evoked brain activity in human infants. Current Biology, 2018, 28, R1380-R1381.	3.9	67
11	A critical period in the supraspinal control of pain: opioid-dependent changes in brainstem rostroventral medulla function in preadolescence. Pain, 2012, 153, 775-783.	4.2	63
12	The Emergence of Adolescent Onset Pain Hypersensitivity following Neonatal Nerve Injury. Molecular Pain, 2012, 8, 1744-8069-8-30.	2.1	59
13	Identification of somatostatin sst2(a) receptor expressing neurones in central regions involved in nociception. Brain Research, 1998, 798, 25-35.	2.2	58
14	Somatostatin Potently Stimulates In Vivo Striatal Dopamine and Î³â€Aminobutyric Acid Release by a Glutamateâ€Dependent Action. Journal of Neurochemistry, 1998, 70, 1740-1749.	3.9	58
15	Surgical Injury in the Neonatal Rat Alters the Adult Pattern of Descending Modulation from the Rostroventral Medulla. Anesthesiology, 2015, 122, 1391-1400.	2.5	56
16	Postnatal maturation of endogenous opioid systems within the periaqueductal grey and spinal dorsal horn of the rat. Pain, 2014, 155, 168-178.	4.2	47
17	Midazolam Potentiates Nociceptive Behavior, Sensitizes Cutaneous Reflexes, and Is Devoid of Sedative Action in Neonatal Rats. Anesthesiology, 2008, 108, 122-129.	2.5	47
18	The influence of the descending pain modulatory system on infant pain-related brain activity. ELife, 2018, 7, .	6.0	46

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19	Origins, Actions and Dynamic Expression Patterns of the Neuropeptide VGF in Rat Peripheral and Central Sensory Neurones Following Peripheral Nerve Injury. Molecular Pain, 2008, 4, 1744-8069-4-62.	2.1	40
20	Evidence that somatostatin sst2 receptors mediate striatal dopamine release. British Journal of Pharmacology, 1999, 128, 1346-1352.	5.4	34
21	A postnatal switch in GABAergic control of spinal cutaneous reflexes. European Journal of Neuroscience, 2006, 23, 112-118.	2.6	33
22	Time Course and Dose-Dependence of Nerve Growth Factorâ€"Induced Secondary Hyperalgesia in the Mouse. Journal of Pain, 2006, 7, 57-61.	1.4	30
23	Differential contributions of peripheral and central mechanisms to pain in a rodent model of osteoarthritis. Scientific Reports, 2018, 8, 7122.	3.3	28
24	Inhibitory effects of aspirin-triggered resolvin D1 on spinal nociceptive processing in rat pain models. Journal of Neuroinflammation, 2016, 13, 233.	7.2	24
25	Overcoming the Barriers to Greater Public Engagement. PLoS Biology, 2014, 12, e1001761.	5.6	21
26	An mTph2 SNP gives rise to alterations in extracellular 5-HT levels, but not in performance on a delayed-reinforcement task. European Journal of Neuroscience, 2005, 22, 997-1000.	2.6	17
27	Developmental alterations in noxious-evoked EEG activity recorded from rat primary somatosensory cortex. Neuroscience, 2015, 305, 343-350.	2.3	16
28	Spinal neuronal excitability and neuroinflammation in a model of chemotherapeutic neuropathic pain: targeting the resolution pathways. Journal of Neuroinflammation, 2020, 17, 316.	7.2	15
29	The Peptide PnPP-19, a Spider Toxin Derivative, Activates Î¼-Opioid Receptors and Modulates Calcium Channels. Toxins, 2018, 10, 43.	3.4	14
30	Somatostatin induces striatal dopamine release and contralateral turning behaviour in the mouse. Neuroscience Letters, 2004, 358, 127-131.	2.1	12
31	Age-dependent plasticity in endocannabinoid modulation of pain processing through postnatal development. Pain, 2017, 158, 2222-2232.	4.2	12
32	Risk-Based Learning Games Improve Long-Term Retention of Information among School Pupils. PLoS ONE, 2014, 9, e103640.	2.5	11
33	Somatostatin release by glutamate in vivo is primarily regulated by AMPA receptors. British Journal of Pharmacology, 2001, 134, 1155-1158.	5.4	10
34	A quantification of the relationship between neuronal responses in the rat rostral ventromedial medulla and noxious stimulationâ€evoked withdrawal reflexes. European Journal of Neuroscience, 2015, 42, 1726-1737.	2.6	10
35	Cancer Chemotherapy in Early Life Significantly Alters the Maturation of Pain Processing. Neuroscience, 2018, 387, 214-229.	2.3	10
36	The challenges of treating osteoarthritis pain and opportunities for novel peripherally directed therapeutic strategies. Neuropharmacology, 2022, 213, 109075.	4.1	9

#	Article	IF	Citations
37	Laminaâ€specific population encoding of cutaneous signals in the spinal dorsal horn using multiâ€electrode arrays. Journal of Physiology, 2019, 597, 377-397.	2.9	7
38	Anxiety enhances pain in a model of osteoarthritis and is associated with altered endogenous opioid function and reduced opioid analgesia. Pain Reports, 2021, 6, e956.	2.7	6
39	Acute and Chronic Pain in Children. Current Topics in Behavioral Neurosciences, 2014, 20, 349-366.	1.7	5
40	The changing role of descending control of spinal nociception over postnatal development. Current Opinion in Physiology, 2019, 11, 93-96.	1.8	5
41	Pain relief in children and adolescents. Pain, 2019, 160, 1687-1688.	4.2	1
42	Developmental pharmacology of opioids. , 2013, , 449-456.		0
43	Neonatal complete Freund's adjuvant-induced inflammation does not induce or alter hyperalgesic priming or alter adult distributions of C-fibre dorsal horn innervation. Pain Reports, 2020, 5, e872.	2.7	0