Stephen P Hunt

List of Publications by Year in Descending Order

132 papers	10,039 citations	52 h-index	99 g-index
139 ext. papers	10,525 ext. citations	7.4 avg, IF	5.63 L-index

#	Paper	IF	Citations
132	The Hypothalamic-Pituitary-Adrenal Axis and Serotonin Metabolism in Individual Brain Nuclei of Mice with Genetic Disruption of the NK1 Receptor Exposed to Acute Stress. *Cellular and Molecular Neurobiology*, **2018**, 38, 1271-1281	4.6	1
131	Selective neuronal silencing using synthetic botulinum molecules alleviates chronic pain in mice. *Science Translational Medicine*, **2018**, 10,	17.5	14
130	The mitogen and stress-activated protein kinase 1 regulates the rapid epigenetic tagging of dorsal horn neurons and nocifensive behaviour. *Pain*, **2016**, 157, 2594-2604	8	8
129	Nonparalytic botulinum molecules for the control of pain. *Pain*, **2016**, 157, 1045-1055	8	21
128	Short-term anesthesia inhibits formalin-induced extracellular signal-regulated kinase (ERK) activation in the rostral anterior cingulate cortex but not in the spinal cord. *Molecular Pain*, **2015**, 11, 49	3.4	5
127	Inhibition of the mammalian target of rapamycin complex 1 signaling pathway reduces itch behaviour in mice. *Pain*, **2015**, 156, 1519-1529	8	12
126	Genetic association of the tachykinin receptor 1 TACR1 gene in bipolar disorder, attention deficit hyperactivity disorder, and the alcohol dependence syndrome. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*, **2014**, 165B, 373-80	3.5	32
125	Descending controls modulate inflammatory joint pain and regulate CXC chemokine and iNOS expression in the dorsal horn. *Molecular Pain*, **2014**, 10, 39	3.4	17
124	Axonal protein synthesis and the regulation of primary afferent function. *Developmental Neurobiology*, **2014**, 74, 269-78	3.2	20
123	Synthetic self-assembling clostridial chimera for modulation of sensory functions. *Bioconjugate Chemistry*, **2013**, 24, 1750-9	6.3	25
122	Antagonism of L-type Ca(v) channels with nifedipine differentially affects performance of wildtype and NK1R-/- mice in the 5-Choice Serial Reaction-Time Task. *Neuropharmacology*, **2013**, 64, 329-36	5.5	13
121	The effect of clozapine on mRNA expression for genes encoding G protein-coupled receptors and the protein components of clathrin-mediated endocytosis. *Psychiatric Genetics*, **2013**, 23, 153-62	2.9	7
120	Axonal protein synthesis: a potential target for pain relief?. *Current Opinion in Pharmacology*, **2012**, 12, 42-8	5.1	34
119	Lamina I NK1 expressing projection neurones are functional in early postnatal rats and contribute to the setting up of adult mechanical sensory thresholds. *Molecular Pain*, **2012**, 8, 35	3.4	7
118	The expression of spinal methyl-CpG-binding protein 2, DNA methyltransferases and histone deacetylases is modulated in persistent pain states. *Molecular Pain*, **2012**, 8, 14	3.4	67
117	Role for substance p-based nociceptive signaling in progenitor cell activation and angiogenesis during ischemia in mice and in human subjects. *Circulation*, **2012**, 125, 1774-86, S1-19	16.7	77
116	Altered host response to murine gammaherpesvirus 68 infection in mice lacking the tachykinin 1 gene and the receptor for substance P. *Neuropeptides*, **2011**, 45, 49-53	3.3	4

115	Systemic inhibition of the mammalian target of rapamycin (mTOR) pathway reduces neuropathic pain in mice. *Pain*, **2011**, 152, 2582-2595	8	75
114	Performance deficits of NK1 receptor knockout mice in the 5-choice serial reaction-time task: effects of d-amphetamine, stress and time of day. *PLoS ONE*, **2011**, 6, e17586	3.7	42
113	Neurokinin-1 receptors (NK1R:s), alcohol consumption, and alcohol reward in mice. *Psychopharmacology*, **2010**, 209, 103-11	4.7	52
112	Involvement of preprotachykinin A gene-encoded peptides and the neurokinin 1 receptor in endotoxin-induced murine airway inflammation. *Neuropeptides*, **2010**, 44, 399-406	3.3	20
111	Injury induced activation of extracellular signal-regulated kinase (ERK) in the rat rostral ventromedial medulla (RVM) is age dependant and requires the lamina I projection pathway. *Molecular Pain*, **2010**, 6, 54	3.4	13
110	Correcting Errors in Optical Data Transmission Using Neural Networks. *Lecture Notes in Computer Science*, **2010**, 448-457	0.9	2
109	Localization of the endocannabinoid-degrading enzyme fatty acid amide hydrolase in rat dorsal root ganglion cells and its regulation after peripheral nerve injury. *Journal of Neuroscience*, **2009**, 29, 3766-80	6.6	46
108	A rapamycin-sensitive signaling pathway is essential for the full expression of persistent pain states. *Journal of Neuroscience*, **2009**, 29, 15017-27	6.6	137
107	Stress-related neuropeptides and alcoholism: CRH, NPY, and beyond. *Alcohol*, **2009**, 43, 491-8	2.7	43
106	Behavioural and neurochemical abnormalities in mice lacking functional tachykinin-1 (NK1) receptors: a model of attention deficit hyperactivity disorder. *Neuropharmacology*, **2009**, 57, 627-35	5.5	40
105	Adaptive Electrical Signal Post-processing with Varying Representations in Optical Communication Systems. *Communications in Computer and Information Science*, **2009**, 235-245	0.3	4
104	Genes and the dynamics of pain control. *Functional Neurology*, **2009**, 24, 9-15	2.2	6
103	Further exploring the brain-skin connection: stress worsens dermatitis via substance P-dependent neurogenic inflammation in mice. *Journal of Investigative Dermatology*, **2008**, 128, 434-46	4.3	107
102	Descending serotonergic controls regulate inflammation-induced mechanical sensitivity and methyl-CpG-binding protein 2 phosphorylation in the rat superficial dorsal horn. *Molecular Pain*, **2008**, 4, 35	3.4	55
101	Selective ablation of dorsal horn NK1 expressing cells reveals a modulation of spinal alpha2-adrenergic inhibition of dorsal horn neurones. *Neuropharmacology*, **2008**, 54, 1208-14	5.5	20
100	Neurokinin 1 receptor antagonism as a possible therapy for alcoholism. *Science*, **2008**, 319, 1536-9	33.3	176
99	Peripheral tachykinins and the neurokinin receptor NK1 are required for platelet thrombus formation. *Blood*, **2008**, 111, 605-12	2.2	36
98	Mechanisms That Generate and Maintain Bone Cancer Pain. *Novartis Foundation Symposium*, **2008**, 221-240		14

97	Local translation in primary afferent fibers regulates nociception. *PLoS ONE*, **2008**, 3, e1961	3.7	119
96	Regulation of pain sensitivity in experimental osteoarthritis by the endogenous peripheral opioid system. *Arthritis and Rheumatism*, **2008**, 58, 3110-9		97
95	Reply:. *Hepatology*, **2007**, 45, 1585-1586	11.2	10
94	Disruption of noradrenergic transmission and the behavioural response to a novel environment in NK1R-/- mice. *European Journal of Neuroscience*, **2007**, 25, 1195-204	3.5	31
93	Experimental acute pancreatitis in PAP/HIP knock-out mice. *Gut*, **2007**, 56, 1091-7	19.2	60
92	A role for transcriptional repressor methyl-CpG-binding protein 2 and plasticity-related gene serum- and glucocorticoid-inducible kinase 1 in the induction of inflammatory pain states. *Journal of Neuroscience*, **2007**, 27, 6163-73	6.6	86
91	Substance P neurokinin 1 receptor activation within the dorsal raphe nucleus controls serotonin release in the mouse frontal cortex. *Molecular Pharmacology*, **2007**, 72, 1411-8	4.3	35
90	Superficial NK1 expressing spinal dorsal horn neurones modulate inhibitory neurotransmission mediated by spinal GABA(A) receptors. *Neuroscience Letters*, **2007**, 419, 278-83	3.3	12
89	Dolor, opioides y adicci **2007**, 357-368		
88	Reg2 inactivation increases sensitivity to Fas hepatotoxicity and delays liver regeneration post-hepatectomy in mice. *Hepatology*, **2006**, 44, 1452-64	11.2	39
87	Depletion of endogenous spinal 5-HT attenuates the behavioural hypersensitivity to mechanical and cooling stimuli induced by spinal nerve ligation. *Pain*, **2006**, 123, 264-274	8	94
86	Local and descending circuits regulate long-term potentiation and zif268 expression in spinal neurons. *European Journal of Neuroscience*, **2006**, 24, 761-72	3.5	63
85	Pain, opiates and addiction **2006**, 349-359		1
84	Regulation of neuropilin 1 by spinal cord injury in adult rats. *Molecular and Cellular Neurosciences*, **2005**, 28, 475-84	4.8	14
83	Role of NK-1 neurotransmission in opioid-induced hyperalgesia. *Pain*, **2005**, 116, 276-288	8	126
82	Spinal-supraspinal serotonergic circuits regulating neuropathic pain and its treatment with gabapentin. *Pain*, **2005**, 117, 292-303	8	132
81	A comparison of neurokinin 1 receptor knock-out (NK1-/-) and wildtype mice: exploratory behaviour and extracellular noradrenaline concentration in the cerebral cortex of anaesthetised subjects. *Neuropharmacology*, **2005**, 48, 706-19	5.5	45
80	The differential contribution of tumour necrosis factor to thermal and mechanical hyperalgesia during chronic inflammation. *Arthritis Research*, **2005**, 7, R807-16		100

79	The ascending pain pathways **2005**, 165-184		3
78	Ephrin-A4 inhibits sensory neurite outgrowth and is regulated by neonatal skin wounding. *European Journal of Neuroscience*, **2005**, 22, 2413-21	3.5	36
77	Changes in signaling pathways regulating neuroplasticity induced by neurokinin 1 receptor knockout. *European Journal of Neuroscience*, **2005**, 21, 1370-8	3.5	6
76	Mast cell deficient and neurokinin-1 receptor knockout mice are protected from stress-induced hair growth inhibition. *Journal of Molecular Medicine*, **2005**, 83, 386-96	5.5	66
75	Modulatory Role of NK1 Receptors in the Basal Ganglia. Studies in NK1-/- Mice **2005**, 151-159		
74	The Neurobiology of Pain **2005**,		8
73	Differential amplification of intron-containing transcripts reveals long term potentiation-associated up-regulation of specific Pde10A phosphodiesterase splice variants. *Journal of Biological Chemistry*, **2004**, 279, 15841-9	5.4	36
72	Vanilloid receptor TRPV1, sensory C-fibers, and vascular autoregulation: a novel mechanism involved in myogenic constriction. *Circulation Research*, **2004**, 95, 1027-34	15.7	127
71	Serotonin transporter in substance P (neurokinin 1) receptor knock-out mice. *European Journal of Pharmacology*, **2004**, 492, 41-8	5.3	7
70	Mechanisms of action of the antidepressants fluoxetine and the substance P antagonist L-000760735 are associated with altered neurofilaments and synaptic remodeling. *Brain Research*, **2004**, 1002, 1-10	3.7	46
69	Descending facilitatory control of mechanically evoked responses is enhanced in deep dorsal horn neurones following peripheral nerve injury. *Brain Research*, **2004**, 1019, 68-76	3.7	163
68	Increased formation of corpora lutea in neurokinin 1-receptor deficient mice. *Molecular Reproduction and Development*, **2004**, 68, 408-14	2.6	7
67	Blockade of substance P (neurokinin 1) receptors enhances extracellular serotonin when combined with a selective serotonin reuptake inhibitor: an in vivo microdialysis study in mice. *Journal of Neurochemistry*, **2004**, 89, 54-63	6	52
66	Co-treatment with riluzole and GDNF is necessary for functional recovery after ventral root avulsion injury. *Experimental Neurology*, **2004**, 187, 359-66	5.7	70
65	Setting the tone: superficial dorsal horn projection neurons regulate pain sensitivity. *Trends in Neurosciences*, **2004**, 27, 582-4	13.3	49
64	FLRT3 is expressed in sensory neurons after peripheral nerve injury and regulates neurite outgrowth. *Molecular and Cellular Neurosciences*, **2004**, 27, 202-14	4.8	39
63	Clinical and neuroinflammatory responses to meningoencephalitis in substance P receptor knockout mice. *Brain*, **2003**, 126, 1683-90	11.2	34
62	Inhibition of inflammation and hyperalgesia in NK-1 receptor knock-out mice. *NeuroReport*, **2003**, 14, 2189-92	1.7	23

61	Neurokinin-1 receptor-expressing neurons in the amygdala modulate morphine reward and anxiety behaviors in the mouse. *Journal of Neuroscience*, **2003**, 23, 8271-80	6.6	94
60	Increased neurogenesis and brain-derived neurotrophic factor in neurokinin-1 receptor gene knockout mice. *European Journal of Neuroscience*, **2003**, 18, 1828-36	3.5	71
59	Multiplex proteomic analysis by two-dimensional differential in-gel electrophoresis. *Proteomics*, **2003**, 3, 1162-71	4.8	114
58	Contextual fear conditioning regulates the expression of brain-specific small nucleolar RNAs in hippocampus. *European Journal of Neuroscience*, **2003**, 18, 3089-96	3.5	51
57	The coding of noxious mechanical and thermal stimuli of deep dorsal horn neurones is attenuated in NK1 knockout mice. *Neuropharmacology*, **2003**, 45, 1093-100	5.5	35
56	Deletion of tachykinin NK1 receptor gene in mice does not alter respiratory network maturation but alters respiratory responses to hypoxia. *Advances in Experimental Medicine and Biology*, **2003**, 536, 497-504	3.6	6
55	The murine neurokinin NK1 receptor gene contributes to the adult hypoxic facilitation of ventilation. *European Journal of Neuroscience*, **2002**, 16, 2245-52	3.5	46
54	Superficial NK1-expressing neurons control spinal excitability through activation of descending pathways. *Nature Neuroscience*, **2002**, 5, 1319-26	25.5	360
53	Chapter VII The expression of c-fos in the spinal cord: mapping of nociceptive pathways. *Handbook of Chemical Neuroanatomy*, **2002**, 19, 171-188		1
52	Lack of self-administration and behavioural sensitisation to morphine, but not cocaine, in mice lacking NK1 receptors. *Neuropharmacology*, **2002**, 43, 1258-68	5.5	93
51	Dynamic pattern of reg-2 expression in rat sensory neurons after peripheral nerve injury. *Journal of Neuroscience*, **2002**, 22, 7493-501	6.6	49
50	The molecular dynamics of pain control. *Nature Reviews Neuroscience*, **2001**, 2, 83-91	13.5	438
49	The NK1 receptor is essential for the full expression of noxious inhibitory controls in the mouse. *Journal of Neuroscience*, **2001**, 21, 1039-46	6.6	57
48	5-hydroxytryptamine (5-HT)1A autoreceptor adaptive changes in substance P (neurokinin 1) receptor knock-out mice mimic antidepressant-induced desensitization. *Journal of Neuroscience*, **2001**, 21, 8188-97	6.6	124
47	Rewarding effects of opiates are absent in mice lacking the receptor for substance P. *Nature*, **2000**, 405, 180-3	50.4	197
46	Substance P and central respiratory activity: a comparative in vitro study in NK1 receptor knockout and wild-type mice. *Pflugers Archiv European Journal of Physiology*, **2000**, 440, 446-51	4.6	25
45	Pain control: breaking the circuit. *Trends in Pharmacological Sciences*, **2000**, 21, 284-7	13.2	14
44	Disruption of the substance P receptor (neurokinin-1) gene does not prevent upregulation of preprotachykinin-A mRNA in the spinal cord of mice following peripheral inflammation. *European Journal of Neuroscience*, **1999**, 11, 3531-8	3.5	8

43	Endogenously produced substance P contributes to lymphocyte proliferation induced by dendritic cells and direct TCR ligation. *European Journal of Immunology*, **1999**, 29, 3815-25	6.1	148
42	Altered nociception, analgesia and aggression in mice lacking the receptor for substance P. *Nature*, **1998**, 392, 394-7	50.4	649
41	Impaired IL-1beta-induced neutrophil accumulation in tachykinin NK1 receptor knockout mice. *British Journal of Pharmacology*, **1998**, 124, 1013-5	8.6	45
40	Hot peppers and pain. *Neuron*, **1998**, 21, 644-5	13.9	17
39	Amphiphysin heterodimers: potential role in clathrin-mediated endocytosis. *Molecular Biology of the Cell*, **1997**, 8, 2003-15	3.5	213
38	Reduced nuclear factor kappaB (p65) expression in rat primary sensory neurons after peripheral nerve injury. *NeuroReport*, **1997**, 8, 2937-42	1.7	19
37	A Schwann cell mitogen accompanying regeneration of motor neurons. *Nature*, **1997**, 390, 614-8	50.4	161
36	The therapeutic potential of neuropeptide Y. Analgesic, anxiolytic and antihypertensive. *Drugs*, **1996**, 52, 371-89	12.1	69
35	Regulation of the expression of NR1 NMDA glutamate receptor subunits during hippocampal LTP. *NeuroReport*, **1994**, 6, 119-23	1.7	38
34	Differential patterns of immediate early gene expression following sensory stimulation or nerve damage. *Restorative Neurology and Neuroscience*, **1993**, 5, 49-50	2.8	1
33	Localisation of glutamate receptor binding sites and mRNAs to the dorsal horn of the rat spinal cord. *Neuropharmacology*, **1993**, 32, 37-41	5.5	53
32	Circadian variation in photic regulation of immediate-early gene mRNAs in rat suprachiasmatic nucleus cells. *Molecular Brain Research*, **1992**, 14, 124-30		124
31	Expression of the dystrophin gene in mouse and rat brain. *NeuroReport*, **1991**, 2, 773-6	1.7	21
30	C-fos Induction in the Spinal Cord after Peripheral Nerve Lesion. *European Journal of Neuroscience*, **1991**, 3, 887-94	3.5	47
29	Distribution of the GABAA receptor alpha 1- and gamma 2-subunit mRNAs in chick brain. *Neuroscience Letters*, **1991**, 133, 45-8	3.3	28
28	The effects of quisqualate and nocodazole on the organization of MAP2 and neurofilaments in spinal cord neurons in vitro. *Neuroscience Letters*, **1991**, 131, 21-6	3.3	10
27	The chicken GABAA receptor alpha 1 subunit: cDNA sequence and localization of the corresponding mRNA. *Molecular Brain Research*, **1991**, 9, 333-9		42
26	Localization of endo-oligopeptidase (EC 3.4.22.19) in the rat nervous tissue. *Journal of Neurochemistry*, **1990**, 55, 1114-21	6	34

25	Localization of preprogalanin mRNA in rat brain: in situ hybridization study with a synthetic oligonucleotide probe. *Neuroscience Letters*, **1990**, 114, 241-7	3.3	46
24	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. *Molecular Brain Research*, **1990**, 7, 305-15		65
23	Spinal c-fos induction by sensory stimulation in neonatal rats. *Neuroscience Letters*, **1990**, 109, 309-14	3.3	69
22	Localization and Quantitative Autoradiography of Glutamatergic Ligand Binding Sites in Chick Brain. *European Journal of Neuroscience*, **1989**, 1, 516-523	3.5	41
21	Differential distribution of GABAA receptor mRNAs in bovine cerebellum--localization of alpha 2 mRNA in Bergmann glia layer. *Neuroscience Letters*, **1989**, 106, 7-12	3.3	52
20	Localization of GABAA receptor alpha-subunit mRNAs in relation to receptor subtypes. *Molecular Brain Research*, **1989**, 5, 305-10		56
19	Differential distribution in bovine brain of distinct □aminobutyric acidA receptor □subunit mRNAs. *Biochemical Society Transactions*, **1989**, 17, 566-567	5.1	7
18	Biochemical, anatomical and functional correlates of postnatal development of the capsaicin-sensitive innervation of the rat urinary bladder. *Developmental Brain Research*, **1988**, 471, 183-90		23
17	Spinal cord neuropeptides in a case of chronic pain. *Lancet, The*, **1988**, 1, 1047-8	40	7
16	Distinct GABAA receptor alpha subunit mRNAs show differential patterns of expression in bovine brain. *Neuron*, **1988**, 1, 937-47	13.9	155
15	Induction of c-fos-like protein in spinal cord neurons following sensory stimulation. *Nature*, **1987**, 328, 632-4	50.4	1782
14	Opiate and histamine H1 receptors are present on some substance P-containing dorsal root ganglion cells. *Neuroscience Letters*, **1985**, 53, 133-7	3.3	53
13	The autoradiographic localization of substance P receptors in the rat and bovine spinal cord and the rat and cat spinal trigeminal nucleus pars caudalis and the effects of neonatal capsaicin. *Brain Research*, **1985**, 332, 315-24	3.7	69
12	The autoradiographic distribution of kassinin and substance K binding sites is different from the distribution of substance P binding sites in rat brain. *European Journal of Pharmacology*, **1984**, 102, 361-4	5.3	108
11	Autoradiographic visualization of receptor binding sites for substance P in the gastrointestinal tract of the guinea pig. *European Journal of Pharmacology*, **1984**, 100, 133-4	5.3	21
10	Substance P receptors: localization by light microscopic autoradiography in rat brain using [3H]SP as the radioligand. *Brain Research*, **1984**, 307, 147-65	3.7	199
9	Alpha-bungarotoxin binding sites on sensory neurones and their axonal transport in sensory afferents. *Brain Research*, **1983**, 272, 57-69	3.7	59
8	Effects of opiates and osmotic stimuli on rat neurohypophyseal metabolic activity monitored with [3H]-2-deoxyglucose. *Neuroendocrinology*, **1982**, 35, 104-10	5.6	10

7	Separate populations of cholecystokinin and 5-hydroxytryptamine-containing neuronal cells in the rat dorsal raphe, and their contribution to the ascending raphe projections. *Neuroscience Letters*, **1981**, 26, 25-30	3.3	62
6	Displaced ganglion cells and the accessory optic system of pigeon. *Journal of Comparative Neurology*, **1981**, 195, 279-88	3.4	117
5	Nicotinic receptors in sensory ganglia. *Brain Research*, **1980**, 195, 223-30	3.7	25
4	Putative acetylcholine receptors in hippocampus and corpus striatum of rat and mouse. *Brain Research*, **1979**, 160, 363-7	3.7	19
3	Optokinetic nystagmus and the accessory optic system of pigeon and turtle. *Brain, Behavior and Evolution*, **1979**, 16, 192-202	1.5	76
2	Some observations on the binding patterns of alpha-bungarotoxin in the central nervous system of the rat. *Brain Research*, **1978**, 157, 213-32	3.7	225
1	The electron microscopic autoradiographic localization of alpha-bungarotoxin binding sites within the central nervous system of the rat. *Brain Research*, **1978**, 142, 152-9	3.7	103