

Stephen P Hunt

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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	Induction of c-fos-like protein in spinal cord neurons following sensory stimulation. <i>Nature</i> , 1987 , 328, 632-4	50.4	1782
131	Altered nociception, analgesia and aggression in mice lacking the receptor for substance P. <i>Nature</i> , 1998 , 392, 394-7	50.4	649
130	The molecular dynamics of pain control. <i>Nature Reviews Neuroscience</i> , 2001 , 2, 83-91	13.5	438
129	Superficial NK1-expressing neurons control spinal excitability through activation of descending pathways. <i>Nature Neuroscience</i> , 2002 , 5, 1319-26	25.5	360
128	Some observations on the binding patterns of alpha-bungarotoxin in the central nervous system of the rat. <i>Brain Research</i> , 1978 , 157, 213-32	3.7	225
127	Amphiphysin heterodimers: potential role in clathrin-mediated endocytosis. <i>Molecular Biology of the Cell</i> , 1997 , 8, 2003-15	3.5	213
126	Substance P receptors: localization by light microscopic autoradiography in rat brain using [3H]SP as the radioligand. <i>Brain Research</i> , 1984 , 307, 147-65	3.7	199
125	Rewarding effects of opiates are absent in mice lacking the receptor for substance P. <i>Nature</i> , 2000 , 405, 180-3	50.4	197
124	Neurokinin 1 receptor antagonism as a possible therapy for alcoholism. <i>Science</i> , 2008 , 319, 1536-9	33.3	176
123	Descending facilitatory control of mechanically evoked responses is enhanced in deep dorsal horn neurones following peripheral nerve injury. <i>Brain Research</i> , 2004 , 1019, 68-76	3.7	163
122	A Schwann cell mitogen accompanying regeneration of motor neurons. <i>Nature</i> , 1997 , 390, 614-8	50.4	161
121	Distinct GABAA receptor alpha subunit mRNAs show differential patterns of expression in bovine brain. <i>Neuron</i> , 1988 , 1, 937-47	13.9	155
120	Endogenously produced substance P contributes to lymphocyte proliferation induced by dendritic cells and direct TCR ligation. <i>European Journal of Immunology</i> , 1999 , 29, 3815-25	6.1	148
119	A rapamycin-sensitive signaling pathway is essential for the full expression of persistent pain states. <i>Journal of Neuroscience</i> , 2009 , 29, 15017-27	6.6	137
118	Spinal-supraspinal serotonergic circuits regulating neuropathic pain and its treatment with gabapentin. <i>Pain</i> , 2005 , 117, 292-303	8	132
117	Vanilloid receptor TRPV1, sensory C-fibers, and vascular autoregulation: a novel mechanism involved in myogenic constriction. <i>Circulation Research</i> , 2004 , 95, 1027-34	15.7	127
116	Role of NK-1 neurotransmission in opioid-induced hyperalgesia. <i>Pain</i> , 2005 , 116, 276-288	8	126

115	5-hydroxytryptamine (5-HT) _{1A} autoreceptor adaptive changes in substance P (neurokinin 1) receptor knock-out mice mimic antidepressant-induced desensitization. <i>Journal of Neuroscience</i> , 2001 , 21, 8188-97	6.6	124
114	Circadian variation in photic regulation of immediate-early gene mRNAs in rat suprachiasmatic nucleus cells. <i>Molecular Brain Research</i> , 1992 , 14, 124-30		124
113	Local translation in primary afferent fibers regulates nociception. <i>PLoS ONE</i> , 2008 , 3, e1961	3.7	119
112	Displaced ganglion cells and the accessory optic system of pigeon. <i>Journal of Comparative Neurology</i> , 1981 , 195, 279-88	3.4	117
111	Multiplex proteomic analysis by two-dimensional differential in-gel electrophoresis. <i>Proteomics</i> , 2003 , 3, 1162-71	4.8	114
110	The autoradiographic distribution of kassinin and substance K binding sites is different from the distribution of substance P binding sites in rat brain. <i>European Journal of Pharmacology</i> , 1984 , 102, 361-4	5.3	108
109	Further exploring the brain-skin connection: stress worsens dermatitis via substance P-dependent neurogenic inflammation in mice. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 434-46	4.3	107
108	The electron microscopic autoradiographic localization of alpha-bungarotoxin binding sites within the central nervous system of the rat. <i>Brain Research</i> , 1978 , 142, 152-9	3.7	103
107	The differential contribution of tumour necrosis factor to thermal and mechanical hyperalgesia during chronic inflammation. <i>Arthritis Research</i> , 2005 , 7, R807-16		100
106	Regulation of pain sensitivity in experimental osteoarthritis by the endogenous peripheral opioid system. <i>Arthritis and Rheumatism</i> , 2008 , 58, 3110-9		97
105	Depletion of endogenous spinal 5-HT attenuates the behavioural hypersensitivity to mechanical and cooling stimuli induced by spinal nerve ligation. <i>Pain</i> , 2006 , 123, 264-274	8	94
104	Neurokinin-1 receptor-expressing neurons in the amygdala modulate morphine reward and anxiety behaviors in the mouse. <i>Journal of Neuroscience</i> , 2003 , 23, 8271-80	6.6	94
103	Lack of self-administration and behavioural sensitisation to morphine, but not cocaine, in mice lacking NK1 receptors. <i>Neuropharmacology</i> , 2002 , 43, 1258-68	5.5	93
102	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. <i>Journal of Neuroscience</i> , 2007 , 27, 6163-73	6.6	86
101	Role for substance p-based nociceptive signaling in progenitor cell activation and angiogenesis during ischemia in mice and in human subjects. <i>Circulation</i> , 2012 , 125, 1774-86, S1-19	16.7	77
100	Optokinetic nystagmus and the accessory optic system of pigeon and turtle. <i>Brain, Behavior and Evolution</i> , 1979 , 16, 192-202	1.5	76
99	Systemic inhibition of the mammalian target of rapamycin (mTOR) pathway reduces neuropathic pain in mice. <i>Pain</i> , 2011 , 152, 2582-2595	8	75
98	Increased neurogenesis and brain-derived neurotrophic factor in neurokinin-1 receptor gene knockout mice. <i>European Journal of Neuroscience</i> , 2003 , 18, 1828-36	3.5	71

97	Co-treatment with riluzole and GDNF is necessary for functional recovery after ventral root avulsion injury. <i>Experimental Neurology</i> , 2004 , 187, 359-66	5.7	70
96	The therapeutic potential of neuropeptide Y. Analgesic, anxiolytic and antihypertensive. <i>Drugs</i> , 1996 , 52, 371-89	12.1	69
95	Spinal c-fos induction by sensory stimulation in neonatal rats. <i>Neuroscience Letters</i> , 1990 , 109, 309-14	3.3	69
94	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. <i>Brain Research</i> , 1985 , 332, 315-24	3.7	69
93	The expression of spinal methyl-CpG-binding protein 2, DNA methyltransferases and histone deacetylases is modulated in persistent pain states. <i>Molecular Pain</i> , 2012 , 8, 14	3.4	67
92	Mast cell deficient and neurokinin-1 receptor knockout mice are protected from stress-induced hair growth inhibition. <i>Journal of Molecular Medicine</i> , 2005 , 83, 386-96	5.5	66
91	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. <i>Molecular Brain Research</i> , 1990 , 7, 305-15		65
90	Local and descending circuits regulate long-term potentiation and zif268 expression in spinal neurons. <i>European Journal of Neuroscience</i> , 2006 , 24, 761-72	3.5	63
89	Separate populations of cholecystokinin and 5-hydroxytryptamine-containing neuronal cells in the rat dorsal raphe, and their contribution to the ascending raphe projections. <i>Neuroscience Letters</i> , 1981 , 26, 25-30	3.3	62
88	Experimental acute pancreatitis in PAP/HIP knock-out mice. <i>Gut</i> , 2007 , 56, 1091-7	19.2	60
87	Alpha-bungarotoxin binding sites on sensory neurones and their axonal transport in sensory afferents. <i>Brain Research</i> , 1983 , 272, 57-69	3.7	59
86	The NK1 receptor is essential for the full expression of noxious inhibitory controls in the mouse. <i>Journal of Neuroscience</i> , 2001 , 21, 1039-46	6.6	57
85	Localization of GABAA receptor alpha-subunit mRNAs in relation to receptor subtypes. <i>Molecular Brain Research</i> , 1989 , 5, 305-10		56
84	Descending serotonergic controls regulate inflammation-induced mechanical sensitivity and methyl-CpG-binding protein 2 phosphorylation in the rat superficial dorsal horn. <i>Molecular Pain</i> , 2008 , 4, 35	3.4	55
83	Localisation of glutamate receptor binding sites and mRNAs to the dorsal horn of the rat spinal cord. <i>Neuropharmacology</i> , 1993 , 32, 37-41	5.5	53
82	Opiate and histamine H1 receptors are present on some substance P-containing dorsal root ganglion cells. <i>Neuroscience Letters</i> , 1985 , 53, 133-7	3.3	53
81	Neurokinin-1 receptors (NK1R:s), alcohol consumption, and alcohol reward in mice. <i>Psychopharmacology</i> , 2010 , 209, 103-11	4.7	52
80	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. <i>Journal of Neurochemistry</i> , 2004 , 89, 54-63	6	52

79	Differential distribution of GABAA receptor mRNAs in bovine cerebellum--localization of alpha 2 mRNA in Bergmann glia layer. <i>Neuroscience Letters</i> , 1989 , 106, 7-12	3.3	52
78	Contextual fear conditioning regulates the expression of brain-specific small nucleolar RNAs in hippocampus. <i>European Journal of Neuroscience</i> , 2003 , 18, 3089-96	3.5	51
77	Setting the tone: superficial dorsal horn projection neurons regulate pain sensitivity. <i>Trends in Neurosciences</i> , 2004 , 27, 582-4	13.3	49
76	Dynamic pattern of reg-2 expression in rat sensory neurons after peripheral nerve injury. <i>Journal of Neuroscience</i> , 2002 , 22, 7493-501	6.6	49
75	C-fos Induction in the Spinal Cord after Peripheral Nerve Lesion. <i>European Journal of Neuroscience</i> , 1991 , 3, 887-94	3.5	47
74	Localization of the endocannabinoid-degrading enzyme fatty acid amide hydrolase in rat dorsal root ganglion cells and its regulation after peripheral nerve injury. <i>Journal of Neuroscience</i> , 2009 , 29, 3766-80	6.6	46
73	Mechanisms of action of the antidepressants fluoxetine and the substance P antagonist L-000760735 are associated with altered neurofilaments and synaptic remodeling. <i>Brain Research</i> , 2004 , 1002, 1-10	3.7	46
72	The murine neurokinin NK1 receptor gene contributes to the adult hypoxic facilitation of ventilation. <i>European Journal of Neuroscience</i> , 2002 , 16, 2245-52	3.5	46
71	Localization of preprogalanin mRNA in rat brain: in situ hybridization study with a synthetic oligonucleotide probe. <i>Neuroscience Letters</i> , 1990 , 114, 241-7	3.3	46
70	Impaired IL-1beta-induced neutrophil accumulation in tachykinin NK1 receptor knockout mice. <i>British Journal of Pharmacology</i> , 1998 , 124, 1013-5	8.6	45
69	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. <i>Neuropharmacology</i> , 2005 , 48, 706-19	5.5	45
68	Stress-related neuropeptides and alcoholism: CRH, NPY, and beyond. <i>Alcohol</i> , 2009 , 43, 491-8	2.7	43
67	The chicken GABAA receptor alpha 1 subunit: cDNA sequence and localization of the corresponding mRNA. <i>Molecular Brain Research</i> , 1991 , 9, 333-9		42
66	Performance deficits of NK1 receptor knockout mice in the 5-choice serial reaction-time task: effects of d-amphetamine, stress and time of day. <i>PLoS ONE</i> , 2011 , 6, e17586	3.7	42
65	Localization and Quantitative Autoradiography of Glutamatergic Ligand Binding Sites in Chick Brain. <i>European Journal of Neuroscience</i> , 1989 , 1, 516-523	3.5	41
64	Behavioural and neurochemical abnormalities in mice lacking functional tachykinin-1 (NK1) receptors: a model of attention deficit hyperactivity disorder. <i>Neuropharmacology</i> , 2009 , 57, 627-35	5.5	40
63	Reg2 inactivation increases sensitivity to Fas hepatotoxicity and delays liver regeneration post-hepatectomy in mice. <i>Hepatology</i> , 2006 , 44, 1452-64	11.2	39
62	FLRT3 is expressed in sensory neurons after peripheral nerve injury and regulates neurite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2004 , 27, 202-14	4.8	39

61	Regulation of the expression of NR1 NMDA glutamate receptor subunits during hippocampal LTP. <i>NeuroReport</i> , 1994 , 6, 119-23	1.7	38
60	Peripheral tachykinins and the neurokinin receptor NK1 are required for platelet thrombus formation. <i>Blood</i> , 2008 , 111, 605-12	2.2	36
59	Differential amplification of intron-containing transcripts reveals long term potentiation-associated up-regulation of specific Pde10A phosphodiesterase splice variants. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15841-9	5.4	36
58	Ephrin-A4 inhibits sensory neurite outgrowth and is regulated by neonatal skin wounding. <i>European Journal of Neuroscience</i> , 2005 , 22, 2413-21	3.5	36
57	Substance P neurokinin 1 receptor activation within the dorsal raphe nucleus controls serotonin release in the mouse frontal cortex. <i>Molecular Pharmacology</i> , 2007 , 72, 1411-8	4.3	35
56	The coding of noxious mechanical and thermal stimuli of deep dorsal horn neurones is attenuated in NK1 knockout mice. <i>Neuropharmacology</i> , 2003 , 45, 1093-100	5.5	35
55	Axonal protein synthesis: a potential target for pain relief?. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 42-8	5.1	34
54	Clinical and neuroinflammatory responses to meningoencephalitis in substance P receptor knockout mice. <i>Brain</i> , 2003 , 126, 1683-90	11.2	34
53	Localization of endo-oligopeptidase (EC 3.4.22.19) in the rat nervous tissue. <i>Journal of Neurochemistry</i> , 1990 , 55, 1114-21	6	34
52	Genetic association of the tachykinin receptor 1 TACR1 gene in bipolar disorder, attention deficit hyperactivity disorder, and the alcohol dependence syndrome. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2014 , 165B, 373-80	3.5	32
51	Disruption of noradrenergic transmission and the behavioural response to a novel environment in NK1R ^{-/-} mice. <i>European Journal of Neuroscience</i> , 2007 , 25, 1195-204	3.5	31
50	Distribution of the GABAA receptor alpha 1- and gamma 2-subunit mRNAs in chick brain. <i>Neuroscience Letters</i> , 1991 , 133, 45-8	3.3	28
49	Synthetic self-assembling clostridial chimera for modulation of sensory functions. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1750-9	6.3	25
48	Substance P and central respiratory activity: a comparative in vitro study in NK1 receptor knockout and wild-type mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2000 , 440, 446-51	4.6	25
47	Nicotinic receptors in sensory ganglia. <i>Brain Research</i> , 1980 , 195, 223-30	3.7	25
46	Inhibition of inflammation and hyperalgesia in NK-1 receptor knock-out mice. <i>NeuroReport</i> , 2003 , 14, 2189-92	1.7	23
45	Biochemical, anatomical and functional correlates of postnatal development of the capsaicin-sensitive innervation of the rat urinary bladder. <i>Developmental Brain Research</i> , 1988 , 471, 183-90		23
44	Expression of the dystrophin gene in mouse and rat brain. <i>NeuroReport</i> , 1991 , 2, 773-6	1.7	21

43	Autoradiographic visualization of receptor binding sites for substance P in the gastrointestinal tract of the guinea pig. <i>European Journal of Pharmacology</i> , 1984 , 100, 133-4	5.3	21
42	Nonparalytic botulinum molecules for the control of pain. <i>Pain</i> , 2016 , 157, 1045-1055	8	21
41	Axonal protein synthesis and the regulation of primary afferent function. <i>Developmental Neurobiology</i> , 2014 , 74, 269-78	3.2	20
40	Involvement of preprotachykinin A gene-encoded peptides and the neurokinin 1 receptor in endotoxin-induced murine airway inflammation. <i>Neuropeptides</i> , 2010 , 44, 399-406	3.3	20
39	Selective ablation of dorsal horn NK1 expressing cells reveals a modulation of spinal alpha2-adrenergic inhibition of dorsal horn neurones. <i>Neuropharmacology</i> , 2008 , 54, 1208-14	5.5	20
38	Reduced nuclear factor kappaB (p65) expression in rat primary sensory neurons after peripheral nerve injury. <i>NeuroReport</i> , 1997 , 8, 2937-42	1.7	19
37	Putative acetylcholine receptors in hippocampus and corpus striatum of rat and mouse. <i>Brain Research</i> , 1979 , 160, 363-7	3.7	19
36	Descending controls modulate inflammatory joint pain and regulate CXC chemokine and iNOS expression in the dorsal horn. <i>Molecular Pain</i> , 2014 , 10, 39	3.4	17
35	Hot peppers and pain. <i>Neuron</i> , 1998 , 21, 644-5	13.9	17
34	Selective neuronal silencing using synthetic botulinum molecules alleviates chronic pain in mice. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	14
33	Mechanisms That Generate and Maintain Bone Cancer Pain. <i>Novartis Foundation Symposium</i> , 2008 , 221-240		14
32	Regulation of neuropilin 1 by spinal cord injury in adult rats. <i>Molecular and Cellular Neurosciences</i> , 2005 , 28, 475-84	4.8	14
31	Pain control: breaking the circuit. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 284-7	13.2	14
30	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. <i>Neuropharmacology</i> , 2013 , 64, 329-36	5.5	13
29	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. <i>Molecular Pain</i> , 2010 , 6, 54	3.4	13
28	Inhibition of the mammalian target of rapamycin complex 1 signaling pathway reduces itch behaviour in mice. <i>Pain</i> , 2015 , 156, 1519-1529	8	12
27	Superficial NK1 expressing spinal dorsal horn neurones modulate inhibitory neurotransmission mediated by spinal GABA(A) receptors. <i>Neuroscience Letters</i> , 2007 , 419, 278-83	3.3	12
26	Reply:. <i>Hepatology</i> , 2007 , 45, 1585-1586	11.2	10

25	The effects of quisqualate and nocodazole on the organization of MAP2 and neurofilaments in spinal cord neurons in vitro. <i>Neuroscience Letters</i> , 1991 , 131, 21-6	3.3	10
24	Effects of opiates and osmotic stimuli on rat neurohypophyseal metabolic activity monitored with [3H]-2-deoxyglucose. <i>Neuroendocrinology</i> , 1982 , 35, 104-10	5.6	10
23	The mitogen and stress-activated protein kinase 1 regulates the rapid epigenetic tagging of dorsal horn neurons and nocifensive behaviour. <i>Pain</i> , 2016 , 157, 2594-2604	8	8
22	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. <i>European Journal of Neuroscience</i> , 1999 , 11, 3531-8	3.5	8
21	The Neurobiology of Pain 2005 ,		8
20	Lamina I NK1 expressing projection neurones are functional in early postnatal rats and contribute to the setting up of adult mechanical sensory thresholds. <i>Molecular Pain</i> , 2012 , 8, 35	3.4	7
19	The effect of clozapine on mRNA expression for genes encoding G protein-coupled receptors and the protein components of clathrin-mediated endocytosis. <i>Psychiatric Genetics</i> , 2013 , 23, 153-62	2.9	7
18	Serotonin transporter in substance P (neurokinin 1) receptor knock-out mice. <i>European Journal of Pharmacology</i> , 2004 , 492, 41-8	5.3	7
17	Increased formation of corpora lutea in neurokinin 1-receptor deficient mice. <i>Molecular Reproduction and Development</i> , 2004 , 68, 408-14	2.6	7
16	Differential distribution in bovine brain of distinct β -aminobutyric acidA receptor β subunit mRNAs. <i>Biochemical Society Transactions</i> , 1989 , 17, 566-567	5.1	7
15	Spinal cord neuropeptides in a case of chronic pain. <i>Lancet, The</i> , 1988 , 1, 1047-8	4.0	7
14	Changes in signaling pathways regulating neuroplasticity induced by neurokinin 1 receptor knockout. <i>European Journal of Neuroscience</i> , 2005 , 21, 1370-8	3.5	6
13	Deletion of tachykinin NK1 receptor gene in mice does not alter respiratory network maturation but alters respiratory responses to hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 536, 497-504	3.6	6
12	Genes and the dynamics of pain control. <i>Functional Neurology</i> , 2009 , 24, 9-15	2.2	6
11	Short-term anesthesia inhibits formalin-induced extracellular signal-regulated kinase (ERK) activation in the rostral anterior cingulate cortex but not in the spinal cord. <i>Molecular Pain</i> , 2015 , 11, 49	3.4	5
10	Altered host response to murine gammaherpesvirus 68 infection in mice lacking the tachykinin 1 gene and the receptor for substance P. <i>Neuropeptides</i> , 2011 , 45, 49-53	3.3	4
9	Adaptive Electrical Signal Post-processing with Varying Representations in Optical Communication Systems. <i>Communications in Computer and Information Science</i> , 2009 , 235-245	0.3	4
8	The ascending pain pathways 2005 , 165-184		3

7	Correcting Errors in Optical Data Transmission Using Neural Networks. <i>Lecture Notes in Computer Science</i> , 2010 , 448-457	0.9	2
6	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. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 1271-1281	4.6	1
5	Chapter VII The expression of c-fos in the spinal cord: mapping of nociceptive pathways. <i>Handbook of Chemical Neuroanatomy</i> , 2002 , 19, 171-188		1
4	Differential patterns of immediate early gene expression following sensory stimulation or nerve damage. <i>Restorative Neurology and Neuroscience</i> , 1993 , 5, 49-50	2.8	1
3	Pain, opiates and addiction 2006 , 349-359		1
2	Modulatory Role of NK1 Receptors in the Basal Ganglia. Studies in NK1 ^{-/-} Mice 2005 , 151-159		
1	Dolor, opioides y adicción 2007 , 357-368		