Stephen P Hunt

List of Publications by Year
in descending order

132 papers	11,102 citations	30070 54 h-index	29157 104 g-index
139 all docs	139 docs citations	139 times ranked	7853 citing authors

#	Article	IF	Citations
1	Induction of c-fos-like protein in spinal cord neurons following sensory stimulation. Nature, 1987, 328, 632-634.	27.8	1,912
2	Altered nociception, analgesia and aggression in mice lacking the receptor for substance P. Nature, 1998, 392, 394-397.	27.8	719
3	The molecular dynamics of pain control. Nature Reviews Neuroscience, 2001, 2, 83-91.	10.2	504
4	Superficial NK1-expressing neurons control spinal excitability through activation of descending pathways. Nature Neuroscience, 2002, 5, 1319-1326.	14.8	389
5	Some observations on the binding patterns of Î±-bungarotoxin in the central nervous system of the rat. Brain Research, 1978, 157, 213-232.	2.2	233
6	Amphiphysin Heterodimers: Potential Role in Clathrin-mediated Endocytosis. Molecular Biology of the Cell, 1997, 8, 2003-2015.	2.1	231
7	Rewarding effects of opiates are absent in mice lacking the receptor for substance P. Nature, 2000, 405, 180-183.	27.8	215
8	Substance P receptors: Localization by light microscopic autoradiography in rat brain using [3H]SP as the radioligand. Brain Research, 1984, 307, 147-165.	2.2	213
9	Neurokinin 1 Receptor Antagonism as a Possible Therapy for Alcoholism. Science, 2008, 319, 1536-1539.	12.6	198
10	Descending facilitatory control of mechanically evoked responses is enhanced in deep dorsal horn neurones following peripheral nerve injury. Brain Research, 2004, 1019, 68-76.	2.2	188
11	A Schwann cell mitogen accompanying regeneration of motor neurons. Nature, 1997, 390, 614-618.	27.8	173
12	Distinct GABAA receptor Î± subunit mRNAs show differential patterns of expression in bovine brain. Neuron, 1988, 1, 937-947.	8.1	163
13	Endogenously produced substance P contributes to lymphocyte proliferation induced by dendritic cells and direct TCR ligation. European Journal of Immunology, 1999, 29, 3815-3825.	2.9	162
14	A Rapamycin-Sensitive Signaling Pathway Is Essential for the Full Expression of Persistent Pain States. Journal of Neuroscience, 2009, 29, 15017-15027.	3.6	161
15	Role of NK-1 neurotransmission in opioid-induced hyperalgesia. Pain, 2005, 116, 276-288.	4.2	157
16	Spinal-supraspinal serotonergic circuits regulating neuropathic pain and its treatment with gabapentin. Pain, 2005, 117, 292-303.	4.2	150
17	Vanilloid Receptor TRPV1, Sensory C-Fibers, and Vascular Autoregulation. Circulation Research, 2004, 95, 1027-1034.	4.5	138
18	Local Translation in Primary Afferent Fibers Regulates Nociception. PLoS ONE, 2008, 3, e1961.	2.5	134

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19	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, 8188-8197.	3.6	133
20	Circadian variation in photic regulation of immediate-early gene mRNAs in rat suprachiasmatic nucleus cells. Molecular Brain Research, 1992, 14, 124-130.	2.3	128
21	Further Exploring the Brainâ€"Skin Connection: Stress Worsens Dermatitis via Substance P-dependent Neurogenic Inflammation in Mice. Journal of Investigative Dermatology, 2008, 128, 434-446.	0.7	128
22	Multiplex proteomic analysis by two-dimensional differential in-gel electrophoresis. Proteomics, 2003, 3, 1162-1171.	2.2	123
23	Displaced ganglion cells and the accessory optic system of pigeon. Journal of Comparative Neurology, 1981, 195, 279-288.	1.6	122
24	The differential contribution of tumour necrosis factor to thermal and mechanical hyperalgesia during chronic inflammation. Arthritis Research, 2005, 7, R807.	2.0	117
25	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, 361-364.	3.5	114
26	The electron microscopic autoradiographic localization of Î±-bungarotoxin binding sites within the central nervous system of the rat. Brain Research, 1978, 142, 152-159.	2.2	108
27	Regulation of pain sensitivity in experimental osteoarthritis by the endogenous peripheral opioid system. Arthritis and Rheumatism, 2008, 58, 3110-3119.	6.7	104
28	Neurokinin-1 Receptor-Expressing Neurons in the Amygdala Modulate Morphine Reward and Anxiety Behaviors in the Mouse. Journal of Neuroscience, 2003, 23, 8271-8280.	3.6	103
29	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, 6163-6173.	3.6	103
30	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.	4.2	102
31	Lack of self-administration and behavioural sensitisation to morphine, but not cocaine, in mice lacking NK1 receptors. Neuropharmacology, 2002, 43, 1258-1268.	4.1	99
32	Systemic inhibition of the mammalian target of rapamycin (mTOR) pathway reduces neuropathic pain in mice. Pain, 2011, 152, 2582-2595.	4.2	90
33	Role for Substance Pâ€"Based Nociceptive Signaling in Progenitor Cell Activation and Angiogenesis During Ischemia in Mice and in Human Subjects. Circulation, 2012, 125, 1774-1786.	1.6	90
34	Optokinetic Nystagmus and the Accessory Optic System of Pigeon and Turtle. Brain, Behavior and Evolution, 1979, 16, 192-202.	1.7	88
35	The Expression of Spinal Methyl-CpG-Binding Protein 2, DNA Methyltransferases and Histone Deacetylases is Modulated in Persistent Pain States. Molecular Pain, 2012, 8, 1744-8069-8-14.	2.1	82
36	Increased neurogenesis and brain-derived neurotrophic factor in neurokinin-1 receptor gene knockout mice. European Journal of Neuroscience, 2003, 18, 1828-1836.	2.6	80

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37	Co-treatment with riluzole and GDNF is necessary for functional recovery after ventral root avulsion injury. Experimental Neurology, 2004, 187, 359-366.	4.1	80
38	Mast cell deficient and neurokinin-1 receptor knockout mice are protected from stress-induced hair growth inhibition. Journal of Molecular Medicine, 2005, 83, 386-396.	3.9	77
39	Experimental acute pancreatitis in PAP/HIP knock-out mice. Gut, 2007, 56, 1091-1097.	12.1	77
40	The Therapeutic Potential of Neuropeptide Y. Drugs, 1996, 52, 371-389.	10.9	76
41	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, 315-324.	2.2	75
42	Spinal c-fos induction by sensory stimulation in neonatal rats. Neuroscience Letters, 1990, 109, 309-314.	2.1	71
43	Distinct regional expression of nicotinic acetylcholine receptor genes in chick brain. Molecular Brain Research, 1990, 7, 305-315.	2.3	70
44	Local and descending circuits regulate longâ€term potentiation and zif268 expression in spinal neurons. European Journal of Neuroscience, 2006, 24, 761-772.	2.6	70
45	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.	2.1	68
46	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, 1744-8069-4-35.	2.1	68
47	Î±-Bungarotoxin binding sites on sensory neurones and their axonal transport in sensory afferents. Brain Research, 1983, 272, 57-69.	2.2	63
48	The NK1 Receptor Is Essential for the Full Expression of Noxious Inhibitory Controls in the Mouse. Journal of Neuroscience, 2001, 21, 1039-1046.	3.6	62
49	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.	3.9	60
50	Opiate and histamine H1 receptors are present on some substance P-containing dorsal root ganglion cells. Neuroscience Letters, 1985, 53, 133-137.	2.1	59
51	Localization of GABAA receptor Î±-subunit mRNAs in relation to receptor subtypes. Molecular Brain Research, 1989, 5, 305-310.	2.3	58
52	Localisation of glutamate receptor binding sites and mRNAS to the dorsal horn of the rat spinal cord. Neuropharmacology, 1993, 32, 37-41.	4.1	58
53	Neurokinin-1 receptors (NK1R:s), alcohol consumption, and alcohol reward in mice. Psychopharmacology, 2010, 209, 103-111.	3.1	57
54	Dynamic Pattern of Reg-2 Expression in Rat Sensory Neurons after Peripheral Nerve Injury. Journal of Neuroscience, 2002, 22, 7493-7501.	3.6	56

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55	Contextual fear conditioning regulates the expression of brain-specific small nucleolar RNAs in hippocampus. European Journal of Neuroscience, 2003, 18, 3089-3096.	2.6	55
56	Setting the tone: superficial dorsal horn projection neurons regulate pain sensitivity. Trends in Neurosciences, 2004, 27, 582-584.	8.6	55
57	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, 3766-3780.	3.6	53
58	Differential distribution of GABAA receptor mRNAs in bovine cerebellum â€" Localization of Î±2 mRNA in Bergmann glia layer. Neuroscience Letters, 1989, 106, 7-12.	2.1	52
59	Impaired IL-1Î² -induced neutrophil accumulation in tachykinin NK1 receptor knockout mice. British Journal of Pharmacology, 1998, 124, 1013-1015.	5.4	52
60	Stress-related neuropeptides and alcoholism: CRH, NPY, and beyond. Alcohol, 2009, 43, 491-498.	1.7	52
61	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.	2.5	52
62	The murine neurokinin NK1receptor gene contributes to the adult hypoxic facilitation of ventilation. European Journal of Neuroscience, 2002, 16, 2245-2252.	2.6	51
63	C-fos Induction in the Spinal Cord after Peripheral Nerve Lesion. European Journal of Neuroscience, 1991, 3, 887-894.	2.6	49
64	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.	2.2	48
65	Ephrinâ€A4 inhibits sensory neurite outgrowth and is regulated by neonatal skin wounding. European Journal of Neuroscience, 2005, 22, 2413-2421.	2.6	48
66	FLRT3 is expressed in sensory neurons after peripheral nerve injury and regulates neurite outgrowth. Molecular and Cellular Neurosciences, 2004, 27, 202-214.	2.2	47
67	A comparison of neurokinin 1 receptor knock-out (NK1â^'/â^') and wildtype mice: exploratory behaviour and extracellular noradrenaline concentration in the cerebral cortex of anaesthetised subjects. Neuropharmacology, 2005, 48, 706-719.	4.1	47
68	Localization of preprogalanin mRNA in rat brain: In situ hybridization study with a synthetic oligonucleotide probe. Neuroscience Letters, 1990, 114, 241-247.	2.1	46
69	The chicken GABAA receptor Î±1 subunit: cDNA sequence and localization of the corresponding mRNA. Molecular Brain Research, 1991, 9, 333-339.	2.3	45
70	Behavioural and neurochemical abnormalities in mice lacking functional tachykinin-1 (NK1) receptors: A model of attention deficit hyperactivity disorder. Neuropharmacology, 2009, 57, 627-635.	4.1	44
71	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, 15841-15849.	3.4	43
72	Reg2 inactivation increases sensitivity to Fas hepatotoxicity and delays liver regeneration post-hepatectomy in mice. Hepatology, 2006, 44, 1452-1464.	7.3	42

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73	Localization and Quantitative Autoradiography of Glutamatergic Ligand Binding Sites in Chick Brain. European Journal of Neuroscience, 1989, 1, 516-523.	2.6	41
74	Regulation of the expression of NR1 NMD A glutamate receptor subunits during hippocampal LTP. NeuroReport, 1994, 6, 119-123.	1.2	41
75	Peripheral tachykinins and the neurokinin receptor NK1 are required for platelet thrombus formation. Blood, 2008, 111, 605-612.	1.4	40
76	Axonal protein synthesis: a potential target for pain relief?. Current Opinion in Pharmacology, 2012, 12, 42-48.	3.5	39
77	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, 165, 373-380.	1.7	39
78	The coding of noxious mechanical and thermal stimuli of deep dorsal horn neurones is attenuated in NK1 knockout mice. Neuropharmacology, 2003, 45, 1093-1100.	4.1	38
79	Clinical and neuroinflammatory responses to meningoencephalitis in substance P receptor knockout mice. Brain, 2003, 126, 1683-1690.	7.6	37
80	Substance P Neurokinin 1 Receptor Activation within the Dorsal Raphe Nucleus Controls Serotonin Release in the Mouse Frontal Cortex. Molecular Pharmacology, 2007, 72, 1411-1418.	2.3	36
81	Localization of Endo-Oligopeptidase (EC 3.4.22.19) in the Rat Nervous Tissue. Journal of Neurochemistry, 1990, 55, 1114-1121.	3.9	35
82	Disruption of noradrenergic transmission and the behavioural response to a novel environment in NK1R-/- mice. European Journal of Neuroscience, 2007, 25, 1195-1204.	2.6	33
83	Nonparalytic botulinum molecules for the control of pain. Pain, 2016, 157, 1045-1055.	4.2	33
84	Selective neuronal silencing using synthetic botulinum molecules alleviates chronic pain in mice. Science Translational Medicine, 2018, 10, .	12.4	32
85	Synthetic Self-Assembling Clostridial Chimera for Modulation of Sensory Functions. Bioconjugate Chemistry, 2013, 24, 1750-1759.	3.6	31
86	Distribution of the GABAA receptor Î±1- and Î²2-subunit mRNAs in chick brain. Neuroscience Letters, 1991, 133, 45-48.	2.1	29
87	Nicotinic receptors in sensory ganglia. Brain Research, 1980, 195, 223-230.	2.2	28
88	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, 446-451.	2.8	26
89	Biochemical, anatomical and functional correlates of postnatal development of the capsaicin-sensitive innervation of the rat urinary bladder. Developmental Brain Research, 1988, 43, 183-190.	1.7	25
90	Inhibition of inflammation and hyperalgesia in NK-1 receptor knock-out mice. NeuroReport, 2003, 14, 2189-2192.	1.2	25

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91	Autoradiographic visualization of receptor binding sites for substance P in the gastrointestinal tract of the guinea pig. European Journal of Pharmacology, 1984, 100, 133-134.	3.5	23
92	Expression of the dystrophin gene in mouse and rat brain. NeuroReport, 1991, 2, 773-776.	1.2	23
93	Involvement of preprotachykinin A gene-encoded peptides and the neurokinin 1 receptor in endotoxin-induced murine airway inflammation. Neuropeptides, 2010, 44, 399-406.	2.2	23
94	Axonal protein synthesis and the regulation of primary afferent function. Developmental Neurobiology, 2014, 74, 269-278.	3.0	23
95	Putative acetylcholine receptors in hippocampus and corpus striatum of rat and mouse. Brain Research, 1979, 160, 363-367.	2.2	21
96	Reduced nuclear factor ÎºB (p65) expression in rat primary sensory neurons after peripheral nerve injury. NeuroReport, 1997, 8, 2937-2942.	1.2	20
97	Selective ablation of dorsal horn NK1 expressing cells reveals a modulation of spinal alpha2-adrenergic inhibition of dorsal horn neurones. Neuropharmacology, 2008, 54, 1208-1214.	4.1	20
98	Descending Controls Modulate Inflammatory Joint Pain and Regulate CXC Chemokine and iNOS Expression in the Dorsal Horn. Molecular Pain, 2014, 10, 1744-8069-10-39.	2.1	20
99	Hot Peppers and Pain. Neuron, 1998, 21, 644-645.	8.1	18
100	Mechanisms That Generate and Maintain Bone Cancer Pain. Novartis Foundation Symposium, 2008, , 221-240.	1.1	18
101	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, 1744-8069-6-54.	2.1	16
102	Inhibition of the mammalian target of rapamycin complex 1 signaling pathway reduces itch behaviour in mice. Pain, 2015, 156, 1519-1529.	4.2	16
103	Pain control: breaking the circuit. Trends in Pharmacological Sciences, 2000, 21, 284-286.	8.7	15
104	Regulation of neuropilin 1 by spinal cord injury in adult rats. Molecular and Cellular Neurosciences, 2005, 28, 475-484.	2.2	15
105	Antagonism of L-type Cav channels with nifedipine differentially affects performance of wildtype and NK1Râ^'/â^' mice in the 5-Choice Serial Reaction-Time Task. Neuropharmacology, 2013, 64, 329-336.	4.1	15
106	Superficial NK1 expressing spinal dorsal horn neurones modulate inhibitory neurotransmission mediated by spinal GABAA receptors. Neuroscience Letters, 2007, 419, 278-283.	2.1	13
107	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.	4.2	13
108	The effects of quisqualate and nocodazole on the organization of MAP2 and neurofilaments in spinal cord neurons in vitro. Neuroscience Letters, 1991, 131, 21-26.	2.1	11

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109	Effects of Opiates and Osmotic Stimuli on Rat Neurohypophyseal Metabolic Activity Monitored with [³H]-2-Deoxyglucose. Neuroendocrinology, 1982, 35, 104-110.	2.5	10
110	Increased formation of corpora lutea in neurokinin 1-receptor deficient mice. Molecular Reproduction and Development, 2004, 68, 408-414.	2.0	10
111	Reply:. Hepatology, 2007, 45, 1585-1586.	7.3	10
112	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, 153-162.	1.1	10
113	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, 3531-3538.	2.6	9
114	SPINAL CORD NEUROPEPTIDES IN A CASE OF CHRONIC PAIN. Lancet, The, 1988, 331, 1047-1048.	13.7	7
115	Differential distribution in bovine brain of distinct Î³-aminobutyric acidA receptor Î±-subunit mRNAs. Biochemical Society Transactions, 1989, 17, 566-567.	3.4	7
116	Serotonin transporter in substance P (neurokinin 1) receptor knock-out mice. European Journal of Pharmacology, 2004, 492, 41-48.	3.5	7
117	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, 1744-8069-8-35.	2.1	7
118	Changes in signaling pathways regulating neuroplasticity induced by neurokinin 1 receptor knockout. European Journal of Neuroscience, 2005, 21, 1370-1378.	2.6	6
119	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, s12990-015-0052.	2.1	6
120	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.	1.6	6
121	Genes and the dynamics of pain control. Functional Neurology, 2009, 24, 9-15.	1.3	6
122	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.	2.2	4
123	Adaptive Electrical Signal Post-processing with Varying Representations in Optical Communication Systems. Communications in Computer and Information Science, 2009, , 235-245.	0.5	4
124	The ascending pain pathways. , 2005, , 165-184.		3
125	Correcting Errors in Optical Data Transmission Using Neural Networks. Lecture Notes in Computer Science, 2010, , 448-457.	1.3	2
126	Differential patterns of immediate early gene expression following sensory stimulation or nerve damage. Restorative Neurology and Neuroscience, 1993, 5, 49-50.	0.7	1

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127	Chapter VII The expression of c-fos in the spinal cord: mapping of nociceptive pathways. Handbook of Chemical Neuroanatomy, 2002, 19, 171-188.	0.3	1
128	The Hypothalamicâ€“Pituitaryâ€“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.	3.3	1
129	Pain, opiates and addiction. , 2006, , 349-359.		1
130	FURTHER TRANSLATION ERRORS IN BEVERS SAGA. Notes and Queries, 1985, 32, 455-456.	0.0	0
131	Modulatory Role of NK1 Receptors in the Basal Ganglia. Studies in NK1-/- Mice. , 2005, , 151-159.		0
132	Dolor, opioides y adicciÃ³n. , 2007, , 357-368.		0