Hui-Lin Pan

List of Publications by Citations

230 papers	9,447 citations	57 h-index	81 g-index
238 ext. papers	10,618 ext. citations	5.1 avg, IF	6.32 L-index

#	Paper	IF	Citations
230	Role of primary afferent nerves in allodynia caused by diabetic neuropathy in rats. *Neuroscience*, **2002**, 114, 291-9	3.9	190
229	Reversal of reflex-induced myocardial ischemia by median nerve stimulation: a feline model of electroacupuncture. *Circulation*, **1998**, 97, 1186-94	16.7	169
228	Identification of diverse modulators of central and peripheral circadian clocks by high-throughput chemical screening. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 101-6	11.5	162
227	Cannabinoids suppress inflammatory and neuropathic pain by targeting α3 glycine receptors. *Journal of Experimental Medicine*, **2012**, 209, 1121-34	16.6	159
226	Cardiac vanilloid receptor 1-expressing afferent nerves and their role in the cardiogenic sympathetic reflex in rats. *Journal of Physiology*, **2003**, 551, 515-23	3.9	158
225	Local injection of endothelin-1 produces pain-like behavior and excitation of nociceptors in rats. *Journal of Neuroscience*, **2001**, 21, 5358-66	6.6	146
224	Angiotensin II stimulates spinally projecting paraventricular neurons through presynaptic disinhibition. *Journal of Neuroscience*, **2003**, 23, 5041-9	6.6	139
223	Modulation of pain transmission by G-protein-coupled receptors **2008**, 117, 141-61		128
222	Role of presynaptic muscarinic and GABA(B) receptors in spinal glutamate release and cholinergic analgesia in rats. *Journal of Physiology*, **2002**, 543, 807-18	3.9	127
221	Hypersensitivity of spinothalamic tract neurons associated with diabetic neuropathic pain in rats. *Journal of Neurophysiology*, **2002**, 87, 2726-33	3.2	125
220	Targeting N-methyl-D-aspartate receptors for treatment of neuropathic pain. *Expert Review of Clinical Pharmacology*, **2011**, 4, 379-88	3.8	122
219	Resiniferatoxin induces paradoxical changes in thermal and mechanical sensitivities in rats: mechanism of action. *Journal of Neuroscience*, **2003**, 23, 2911-9	6.6	120
218	G9a is essential for epigenetic silencing of K(+) channel genes in acute-to-chronic pain transition. *Nature Neuroscience*, **2015**, 18, 1746-55	25.5	116
217	The α2δ1-NMDA Receptor Complex Is Critically Involved in Neuropathic Pain Development and Gabapentin Therapeutic Actions. *Cell Reports*, **2018**, 22, 2307-2321	10.6	113
216	Glutamatergic inputs in the hypothalamic paraventricular nucleus maintain sympathetic vasomotor tone in hypertension. *Hypertension*, **2007**, 49, 916-25	8.5	108
215	Role of protons in activation of cardiac sympathetic C-fibre afferents during ischaemia in cats. *Journal of Physiology*, **1999**, 518 (Pt 3), 857-66	3.9	103
214	N-methyl-D-aspartate receptor- and calpain-mediated proteolytic cleavage of K+-Cl- cotransporter-2 impairs spinal chloride homeostasis in neuropathic pain. *Journal of Biological Chemistry*, **2012**, 287, 33853-64	5.4	101

213	Intrathecal clonidine alleviates allodynia in neuropathic rats: interaction with spinal muscarinic and nicotinic receptors. *Anesthesiology*, **1999**, 90, 509-14	4.3	101
212	Opioid-induced long-term potentiation in the spinal cord is a presynaptic event. *Journal of Neuroscience*, **2010**, 30, 4460-6	6.6	100
211	Sensing tissue ischemia: another new function for capsaicin receptors?. *Circulation*, **2004**, 110, 1826-31	16.7	100
210	Inhibition of glutamatergic synaptic input to spinal lamina II(o) neurons by presynaptic alpha(2)-adrenergic receptors. *Journal of Neurophysiology*, **2002**, 87, 1938-47	3.2	99
209	Role of gamma-aminobutyric acid (GABA)A and GABAB receptors in paraventricular nucleus in control of sympathetic vasomotor tone in hypertension. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 320, 615-26	4.7	96
208	Nitric oxide inhibits spinally projecting paraventricular neurons through potentiation of presynaptic GABA release. *Journal of Neurophysiology*, **2002**, 88, 2664-74	3.2	96
207	Transient receptor potential vanilloid type 1 activation down-regulates voltage-gated calcium channels through calcium-dependent calcineurin in sensory neurons. *Journal of Biological Chemistry* , **2005**, 280, 18142-51	5.4	94
206	A-type voltage-gated K+ currents influence firing properties of isolectin B4-positive but not isolectin B4-negative primary sensory neurons. *Journal of Neurophysiology*, **2005**, 93, 3401-9	3.2	93
205	Reduction in voltage-gated K+ channel activity in primary sensory neurons in painful diabetic neuropathy: role of brain-derived neurotrophic factor. *Journal of Neurochemistry*, **2010**, 114, 1460-75	6	90
204	Signalling pathway of nitric oxide in synaptic GABA release in the rat paraventricular nucleus. *Journal of Physiology*, **2004**, 554, 100-10	3.9	89
203	Aminopyridines potentiate synaptic and neuromuscular transmission by targeting the voltage-activated calcium channel beta subunit. *Journal of Biological Chemistry*, **2009**, 284, 36453-36461	5.4	87
202	Antiallodynic effect of intrathecal gabapentin and its interaction with clonidine in a rat model of postoperative pain. *Anesthesiology*, **2000**, 92, 1126-31	4.3	86
201	Angiotensin II attenuates synaptic GABA release and excites paraventricular-rostral ventrolateral medulla output neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 313, 1035-45	4.7	84
200	Differential sensitivity of N- and P/Q-type Ca2+ channel currents to a mu opioid in isolectin B4-positive and -negative dorsal root ganglion neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 311, 939-47	4.7	81
199	Spinal endogenous acetylcholine contributes to the analgesic effect of systemic morphine in rats. *Anesthesiology*, **2001**, 95, 525-30	4.3	81
198	Antinociceptive effect of morphine, but not mu opioid receptor number, is attenuated in the spinal cord of diabetic rats. *Anesthesiology*, **2003**, 99, 1409-14	4.3	80
197	Spinal cyclooxygenase-2 is involved in development of allodynia after nerve injury in rats. *Neuroscience*, **2000**, 97, 743-8	3.9	80
196	VR1 receptor activation induces glutamate release and postsynaptic firing in the paraventricular nucleus. *Journal of Neurophysiology*, **2004**, 92, 1807-16	3.2	77

195	Plasticity and emerging role of BKCa channels in nociceptive control in neuropathic pain. *Journal of Neurochemistry*, **2009**, 110, 352-62	6	73
194	Pre- and postsynaptic plasticity underlying augmented glutamatergic inputs to hypothalamic presympathetic neurons in spontaneously hypertensive rats. *Journal of Physiology*, **2008**, 586, 1637-47	3.9	71
193	Altered synaptic input and GABAB receptor function in spinal superficial dorsal horn neurons in rats with diabetic neuropathy. *Journal of Physiology*, **2007**, 579, 849-61	3.9	71
192	Plasticity of GABAergic control of hypothalamic presympathetic neurons in hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2006**, 290, H1110-9	5.2	71
191	Functional mu opioid receptors are reduced in the spinal cord dorsal horn of diabetic rats. *Anesthesiology*, **2002**, 97, 1602-8	4.3	67
190	Hyper-SUMOylation of the Kv7 potassium channel diminishes the M-current leading to seizures and sudden death. *Neuron*, **2014**, 83, 1159-71	13.9	66
189	Loss of TRPV1-expressing sensory neurons reduces spinal mu opioid receptors but paradoxically potentiates opioid analgesia. *Journal of Neurophysiology*, **2006**, 95, 3086-96	3.2	66
188	Chronic opioid potentiates presynaptic but impairs postsynaptic N-methyl-D-aspartic acid receptor activity in spinal cords: implications for opioid hyperalgesia and tolerance. *Journal of Biological Chemistry*, **2012**, 287, 25073-85	5.4	65
187	Stereospecific effect of pregabalin on ectopic afferent discharges and neuropathic pain induced by sciatic nerve ligation in rats. *Anesthesiology*, **2001**, 95, 1473-9	4.3	64
186	Antinociceptive effects of chronic administration of uncompetitive NMDA receptor antagonists in a rat model of diabetic neuropathic pain. *Neuropharmacology*, **2009**, 57, 121-6	5.5	63
185	Sex differences in cholinergic analgesia I: a supplemental nicotinic mechanism in normal females. *Anesthesiology*, **1999**, 91, 1447-54	4.3	63
184	Intravenous morphine increases release of nitric oxide from spinal cord by an alpha-adrenergic and cholinergic mechanism. *Journal of Neurophysiology*, **1997**, 78, 2072-8	3.2	62
183	Distinct roles of group III metabotropic glutamate receptors in control of nociception and dorsal horn neurons in normal and nerve-injured Rats. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 312, 120-6	4.7	62
182	Effect of the {mu} opioid on excitatory and inhibitory synaptic inputs to periaqueductal gray-projecting neurons in the amygdala. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 312, 441-8	4.7	62
181	Synergistic effect between intrathecal non-NMDA antagonist and gabapentin on allodynia induced by spinal nerve ligation in rats. *Anesthesiology*, **2000**, 92, 500-6	4.3	62
180	AMPK activation attenuates inflammatory pain through inhibiting NF-B activation and IL-1 expression. *Journal of Neuroinflammation*, **2019**, 16, 34	10.1	61
179	Primary afferent stimulation differentially potentiates excitatory and inhibitory inputs to spinal lamina II outer and inner neurons. *Journal of Neurophysiology*, **2004**, 91, 2413-21	3.2	61
178	Intrathecal adenosine interacts with a spinal noradrenergic system to produce antinociception in nerve-injured rats. *Anesthesiology*, **1999**, 91, 1072-9	4.3	60

177	Chloride Homeostasis Critically Regulates Synaptic NMDA Receptor Activity in Neuropathic Pain. *Cell Reports*, **2016**, 15, 1376-1383	10.6	60
176	GABAergic projections from lateral hypothalamus to paraventricular hypothalamic nucleus promote feeding. *Journal of Neuroscience*, **2015**, 35, 3312-8	6.6	59
175	Pannexin-1 Up-regulation in the Dorsal Root Ganglion Contributes to Neuropathic Pain Development. *Journal of Biological Chemistry*, **2015**, 290, 14647-55	5.4	59
174	Endogenous anandamide and cannabinoid receptor-2 contribute to electroacupuncture analgesia in rats. *Journal of Pain*, **2009**, 10, 732-9	5.2	57
173	Endogenous bradykinin activates ischaemically sensitive cardiac visceral afferents through kinin B2 receptors in cats. *Journal of Physiology*, **1998**, 510 (Pt 2), 633-41	3.9	54
172	Blocking mu opioid receptors in the spinal cord prevents the analgesic action by subsequent systemic opioids. *Brain Research*, **2006**, 1081, 119-25	3.7	54
171	Calcineurin inhibitor induces pain hypersensitivity by potentiating pre- and postsynaptic NMDA receptor activity in spinal cords. *Journal of Physiology*, **2014**, 592, 215-27	3.9	53
170	Allosteric adenosine receptor modulation reduces hypersensitivity following peripheral inflammation by a central mechanism. *Journal of Pharmacology and Experimental Therapeutics*, **2003** , 305, 950-5	4.7	53
169	Role of spinal NO in antiallodynic effect of intrathecal clonidine in neuropathic rats. *Anesthesiology*, **1998**, 89, 1518-23	4.3	53
168	Regulation of sympathetic vasomotor activity by the hypothalamic paraventricular nucleus in normotensive and hypertensive states. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H1200-H1214	5.2	52
167	Sensing of blood pressure increase by transient receptor potential vanilloid 1 receptors on baroreceptors. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 331, 851-9	4.7	52
166	NKCC1 upregulation disrupts chloride homeostasis in the hypothalamus and increases neuronal activity-sympathetic drive in hypertension. *Journal of Neuroscience*, **2012**, 32, 8560-8	6.6	52
165	M2, M3, and M4 receptor subtypes contribute to muscarinic potentiation of GABAergic inputs to spinal dorsal horn neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 313, 697-704	4.7	52
164	Regulation of increased glutamatergic input to spinal dorsal horn neurons by mGluR5 in diabetic neuropathic pain. *Journal of Neurochemistry*, **2010**, 112, 162-72	6	51
163	Role of M2, M3, and M4 muscarinic receptor subtypes in the spinal cholinergic control of nociception revealed using siRNA in rats. *Journal of Neurochemistry*, **2009**, 111, 1000-10	6	51
162	Cardiac interstitial bradykinin release during ischemia is enhanced by ischemic preconditioning. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H116-21	5.2	51
161	Spinal GABAB receptors mediate antinociceptive actions of cholinergic agents in normal and diabetic rats. *Brain Research*, **2003**, 965, 67-74	3.7	50
160	Nerve injury increases brain-derived neurotrophic factor levels to suppress BK channel activity in primary sensory neurons. *Journal of Neurochemistry*, **2012**, 121, 944-53	6	49

159	Cannabinoid CB2 receptors contribute to upregulation of Ɛendorphin in inflamed skin tissues by electroacupuncture. *Molecular Pain*, **2011**, 7, 98	3.4	49
158	Effects of activation of group III metabotropic glutamate receptors on spinal synaptic transmission in a rat model of neuropathic pain. *Neuroscience*, **2009**, 158, 875-84	3.9	49
157	Effect of 2-(phosphono-methyl)-pentanedioic acid on allodynia and afferent ectopic discharges in a rat model of neuropathic pain. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 300, 662-7	4.7	48
156	Activation of muscarinic receptors inhibits spinal dorsal horn projection neurons: role of GABAB receptors. *Neuroscience*, **2004**, 125, 141-8	3.9	47
155	Electroacupuncture inhibits NLRP3 inflammasome activation through CB2 receptors in inflammatory pain. *Brain, Behavior, and Immunity*, **2018**, 67, 91-100	16.6	47
154	Myocardial ischemia recruits mechanically insensitive cardiac sympathetic afferents in cats. *Journal of Neurophysiology*, **2002**, 87, 660-8	3.2	46
153	Intrathecal neostigmine, but not sympathectomy, relieves mechanical allodynia in a rat model of neuropathic pain. *Anesthesiology*, **1998**, 89, 493-9	4.3	43
152	Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease. *Nature Neuroscience*, **2014**, 17, 232-9	25.5	42
151	Switch to glutamate receptor 2-lacking AMPA receptors increases neuronal excitability in hypothalamus and sympathetic drive in hypertension. *Journal of Neuroscience*, **2012**, 32, 372-80	6.6	42
150	Mu opioid receptor activation inhibits GABAergic inputs to basolateral amygdala neurons through Kv1.1/1.2 channels. *Journal of Neurophysiology*, **2006**, 95, 2032-41	3.2	42
149	Brain angiotensin II and synaptic transmission. *Neuroscientist*, **2004**, 10, 422-31	7.6	42
148	Antiallodynic effect of intrathecal neostigmine is mediated by spinal nitric oxide in a rat model of diabetic neuropathic pain. *Anesthesiology*, **2001**, 95, 1007-12	4.3	42
147	Diabetic neuropathy enhances voltage-activated Ca2+ channel activity and its control by M4 muscarinic receptors in primary sensory neurons. *Journal of Neurochemistry*, **2011**, 119, 594-603	6	41
146	The glutamatergic nature of TRPV1-expressing neurons in the spinal dorsal horn. *Journal of Neurochemistry*, **2009**, 108, 305-18	6	41
145	Regulation of glutamate release from primary afferents and interneurons in the spinal cord by muscarinic receptor subtypes. *Journal of Neurophysiology*, **2007**, 97, 102-9	3.2	41
144	Up-regulation of spinal muscarinic receptors and increased antinociceptive effect of intrathecal muscarine in diabetic rats. *Journal of Pharmacology and Experimental Therapeutics*, **2003**, 307, 676-81	4.7	41
143	Activation of mu-opioid receptors excites a population of locus coeruleus-spinal neurons through presynaptic disinhibition. *Brain Research*, **2004**, 997, 67-78	3.7	41
142	Functional activity of the M2 and M4 receptor subtypes in the spinal cord studied with muscarinic acetylcholine receptor knockout mice. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 313, 765-70	4.7	41

141	Chronic intrathecal morphine administration produces homologous mu receptor/G-protein desensitization specifically in spinal cord. *Brain Research*, **2001**, 895, 1-8	3.7	41
140	Presynaptic NMDA receptors control nociceptive transmission at the spinal cord level in neuropathic pain. *Cellular and Molecular Life Sciences*, **2019**, 76, 1889-1899	10.3	40
139	Nerve Injury-Induced Chronic Pain Is Associated with Persistent DNA Methylation Reprogramming in Dorsal Root Ganglion. *Journal of Neuroscience*, **2018**, 38, 6090-6101	6.6	40
138	Role of spinal muscarinic and nicotinic receptors in clonidine-induced nitric oxide release in a rat model of neuropathic pain. *Brain Research*, **2000**, 861, 390-8	3.7	40
137	Increased presynaptic and postsynaptic 2-adrenoceptor activity in the spinal dorsal horn in painful diabetic neuropathy. *Journal of Pharmacology and Experimental Therapeutics*, **2011**, 337, 285-92	4.7	39
136	Signaling mechanisms of angiotensin II-induced attenuation of GABAergic input to hypothalamic presympathetic neurons. *Journal of Neurophysiology*, **2007**, 97, 3279-87	3.2	39
135	Activation of delta-opioid receptors excites spinally projecting locus coeruleus neurons through inhibition of GABAergic inputs. *Journal of Neurophysiology*, **2002**, 88, 2675-83	3.2	39
134	Casein kinase II regulates N-methyl-D-aspartate receptor activity in spinal cords and pain hypersensitivity induced by nerve injury. *Journal of Pharmacology and Experimental Therapeutics*, **2014**, 350, 301-12	4.7	38
133	Nerve Injury Diminishes Opioid Analgesia through Lysine Methyltransferase-mediated Transcriptional Repression of Opioid Receptors in Primary Sensory Neurons. *Journal of Biological Chemistry*, **2016**, 291, 8475-85	5.4	36
132	Dynamic regulation of glycinergic input to spinal dorsal horn neurones by muscarinic receptor subtypes in rats. *Journal of Physiology*, **2006**, 571, 403-13	3.9	36
131	Mastering tricyclic ring systems for desirable functional cannabinoid activity. *European Journal of Medicinal Chemistry*, **2013**, 69, 881-907	6.8	35
130	Increased nociceptive input rapidly modulates spinal GABAergic transmission through endogenously released glutamate. *Journal of Neurophysiology*, **2007**, 97, 871-82	3.2	35
129	Presynaptic alpha1 adrenergic receptors differentially regulate synaptic glutamate and GABA release to hypothalamic presympathetic neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 316, 733-42	4.7	35
128	Signaling mechanisms of down-regulation of voltage-activated Ca2+ channels by transient receptor potential vanilloid type 1 stimulation with olvanil in primary sensory neurons. *Neuroscience*, **2006**, 141, 407-19	3.9	35
127	Effect of systemic and intrathecal gabapentin on allodynia in a new rat model of postherpetic neuralgia. *Brain Research*, **2005**, 1042, 108-13	3.7	35
126	Protein kinase CK2 increases glutamatergic input in the hypothalamus and sympathetic vasomotor tone in hypertension. *Journal of Neuroscience*, **2011**, 31, 8271-9	6.6	34
125	Kv1.1/1.2 channels are downstream effectors of nitric oxide on synaptic GABA release to preautonomic neurons in the paraventricular nucleus. *Neuroscience*, **2007**, 149, 315-27	3.9	34
124	Regulation of synaptic inputs to paraventricular-spinal output neurons by alpha2 adrenergic receptors. *Journal of Neurophysiology*, **2005**, 93, 393-402	3.2	34

123	Increased 2B1-NMDA receptor coupling potentiates glutamatergic input to spinal dorsal horn neurons in chemotherapy-induced neuropathic pain. *Journal of Neurochemistry*, **2019**, 148, 252-274	6	34
122	Bortezomib induces neuropathic pain through protein kinase C-mediated activation of presynaptic NMDA receptors in the spinal cord. *Neuropharmacology*, **2017**, 123, 477-487	5.5	33
121	Limitation of myocardial infarct size in pigs with a dual lipoxygenase-cyclooxygenase blocking agent by inhibition of neutrophil activity without reduction of neutrophil migration. *Journal of the American College of Cardiology*, **1993**, 22, 1738-44	15.1	33
120	Ghrelin receptors mediate ghrelin-induced excitation of agouti-related protein/neuropeptide Y but not pro-opiomelanocortin neurons. *Journal of Neurochemistry*, **2017**, 142, 512-520	6	32
119	Suppression of GHS-R in AgRP Neurons Mitigates Diet-Induced Obesity by Activating Thermogenesis. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	32
118	Tetrodotoxin-sensitive and -resistant Na+ channel currents in subsets of small sensory neurons of rats. *Brain Research*, **2004**, 1029, 251-8	3.7	32
117	Presynaptic N-Methyl-d-aspartate (NMDA) Receptor Activity Is Increased Through Protein Kinase C in Paclitaxel-induced Neuropathic Pain. *Journal of Biological Chemistry*, **2016**, 291, 19364-73	5.4	31
116	Effect of kappa opioid agonists on visceral nociception induced by uterine cervical distension in rats. *Pain*, **2002**, 96, 13-22	8	31
115	Allosteric adenosine modulation to reduce allodynia. *Anesthesiology*, **2001**, 95, 416-20	4.3	31
114	Increased spinal cord Na+-K+-2Cl? cotransporter-1 (NKCC1) activity contributes to impairment of synaptic inhibition in paclitaxel-induced neuropathic pain. *Journal of Biological Chemistry*, **2014**, 289, 31111-20	5.4	30
113	Electroacupuncture increases CB2 receptor expression on keratinocytes and infiltrating inflammatory cells in inflamed skin tissues of rats. *Journal of Pain*, **2010**, 11, 1250-8	5.2	30
112	Nerve injury increases GluA2-lacking AMPA receptor prevalence in spinal cords: functional significance and signaling mechanisms. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 347, 765-72	4.7	29
111	Nitric oxide inhibits nociceptive transmission by differentially regulating glutamate and glycine release to spinal dorsal horn neurons. *Journal of Biological Chemistry*, **2011**, 286, 33190-202	5.4	29
110	Functional plasticity of group II metabotropic glutamate receptors in regulating spinal excitatory and inhibitory synaptic input in neuropathic pain. *Journal of Pharmacology and Experimental Therapeutics*, **2011**, 336, 254-64	4.7	29
109	Resistance to morphine analgesic tolerance in rats with deleted transient receptor potential vanilloid type 1-expressing sensory neurons. *Neuroscience*, **2007**, 145, 676-85	3.9	29
108	Opioid receptors in primary sensory neurons are essential for opioid analgesic effect on acute and inflammatory pain and opioid-induced hyperalgesia. *Journal of Physiology*, **2019**, 597, 1661-1675	3.9	29
107	mGluR5 Upregulation increases excitability of hypothalamic presympathetic neurons through NMDA receptor trafficking in spontaneously hypertensive rats. *Journal of Neuroscience*, **2014**, 34, 4309-17	6.6	28
106	Casein kinase 2-mediated synaptic GluN2A up-regulation increases N-methyl-D-aspartate receptor activity and excitability of hypothalamic neurons in hypertension. *Journal of Biological Chemistry*, **2012**, 287, 17438-17446	5.4	28

105	Activation of mu-opioid receptors inhibits synaptic inputs to spinally projecting rostral ventromedial medulla neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 309, 476-83	4.7	28
104	Intrathecal S-nitroso-N-acetylpenicillamine and L-cysteine attenuate nerve injury-induced allodynia through noradrenergic activation in rats. *Neuroscience*, **2000**, 101, 759-65	3.9	28
103	Up-regulation of Cavβ subunit in primary sensory neurons increases voltage-activated Ca2+ channel activity and nociceptive input in neuropathic pain. *Journal of Biological Chemistry*, **2012**, 287, 6002-13	5.4	27
102	Role of paraventricular nucleus in the cardiogenic sympathetic reflex in rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R420-6	3.2	27
101	Spinal nitric oxide mediates antinociception from intravenous morphine. *Anesthesiology*, **1998**, 89, 215-21	4.3	27
100	Peripheral Motor and Sensory Nerve Conduction following Transplantation of Undifferentiated Autologous Adipose Tissue-Derived Stem Cells in a Biodegradable U.S. Food and Drug Administration-Approved Nerve Conduit. *Plastic and Reconstructive Surgery*, **2016**, 138, 132-139	2.7	27
99	Effect of morphine on deep dorsal horn projection neurons depends on spinal GABAergic and glycinergic tone: implications for reduced opioid effect in neuropathic pain. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 315, 696-703	4.7	26
98	Focal Cerebral Ischemia and Reperfusion Induce Brain Injury Through α1-Bound NMDA Receptors. *Stroke*, **2018**, 49, 2464-2472	6.7	26
97	Stimulation of alpha(1)-adrenoceptors reduces glutamatergic synaptic input from primary afferents through GABA(A) receptors and T-type Ca(2+) channels. *Neuroscience*, **2009**, 158, 1616-24	3.9	25
96	Plasticity of pre- and postsynaptic GABAB receptor function in the paraventricular nucleus in spontaneously hypertensive rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H807-15	5.2	25
95	High voltage-activated Ca(2+) channel currents in isolectin B(4)-positive and -negative small dorsal root ganglion neurons of rats. *Neuroscience Letters*, **2004**, 368, 96-101	3.3	25
94	Systemic morphine inhibits dorsal horn projection neurons through spinal cholinergic system independent of descending pathways. *Journal of Pharmacology and Experimental Therapeutics*, **2005**, 314, 611-7	4.7	25
93	The α1-NMDA receptor coupling is essential for corticostriatal long-term potentiation and is involved in learning and memory. *Journal of Biological Chemistry*, **2018**, 293, 19354-19364	5.4	24
92	Electroacupuncture Potentiates Cannabinoid Receptor-Mediated Descending Inhibitory Control in a Mouse Model of Knee Osteoarthritis. *Frontiers in Molecular Neuroscience*, **2018**, 11, 112	6.1	23
91	Opposing functions of spinal M2, M3, and M4 receptor subtypes in regulation of GABAergic inputs to dorsal horn neurons revealed by muscarinic receptor knockout mice. *Molecular Pharmacology*, **2006**, 69, 1048-55	4.3	23
90	Glutamate-activated BK channel complexes formed with NMDA receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E9006-E9014	11.5	23
89	Electroacupuncture improves thermal and mechanical sensitivities in a rat model of postherpetic neuralgia. *Molecular Pain*, **2013**, 9, 18	3.4	22
88	Adenosine inhibits paraventricular pre-sympathetic neurons through ATP-dependent potassium channels. *Journal of Neurochemistry*, **2010**, 113, 530-42	6	22

87	Regulation of synaptic input to hypothalamic presympathetic neurons by GABA(B) receptors. *Neuroscience*, **2006**, 142, 595-606	3.9	22
86	Impaired Hypothalamic Regulation of Sympathetic Outflow in Primary Hypertension. *Neuroscience Bulletin*, **2019**, 35, 124-132	4.3	22
85	Presynaptic mGluR5 receptor controls glutamatergic input through protein kinase C-NMDA receptors in paclitaxel-induced neuropathic pain. *Journal of Biological Chemistry*, **2017**, 292, 20644-20654	5.4	21
84	Regulation of Hypothalamic Presympathetic Neurons and Sympathetic Outflow by Group II Metabotropic Glutamate Receptors in Spontaneously Hypertensive Rats. *Hypertension*, **2013**, 62, 255-62	8.5	21
83	Upregulation of nuclear factor of activated T-cells by nerve injury contributes to development of neuropathic pain. *Journal of Pharmacology and Experimental Therapeutics*, **2013**, 345, 161-8	4.7	21
82	Increased C-fiber nociceptive input potentiates inhibitory glycinergic transmission in the spinal dorsal horn. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 324, 1000-10	4.7	21
81	Spinal nitric oxide contributes to the analgesic effect of intrathecal [d-pen2,d-pen5]-enkephalin in normal and diabetic rats. *Anesthesiology*, **2003**, 98, 217-22	4.3	21
80	Responses of neurons in rostral ventrolateral medulla to activation of cardiac receptors in rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H2549-57	5.2	21
79	2 1 Is Essential for Sympathetic Output and NMDA Receptor Activity Potentiated by Angiotensin II in the Hypothalamus. *Journal of Neuroscience*, **2018**, 38, 6388-6398	6.6	20
78	Role of TRPV1 and intracellular Ca2+ in excitation of cardiac sensory neurons by bradykinin. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R276-83	3.2	20
77	Differential roles for glutamate receptor subtypes within commissural NTS in cardiac-sympathetic reflex. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2001**, 281, R935-43	3.2	20
76	Deficient LRRC8A-dependent volume-regulated anion channel activity is associated with male infertility in mice. *JCI Insight*, **2018**, 3,	9.9	20
75	Src Kinases Regulate Glutamatergic Input to Hypothalamic Presympathetic Neurons and Sympathetic Outflow in Hypertension. *Hypertension*, **2017**, 69, 154-162	8.5	19
74	CaMKII Regulates Synaptic NMDA Receptor Activity of Hypothalamic Presympathetic Neurons and Sympathetic Outflow in Hypertension. *Journal of Neuroscience*, **2017**, 37, 10690-10699	6.6	19
73	Netrin-1 Contributes to Myelinated Afferent Fiber Sprouting and Neuropathic Pain. *Molecular Neurobiology*, **2016**, 53, 5640-51	6.2	19
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