

Hui-Lin Pan

List of Publications by Year in descending order

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237
papers

11,786
citations

18482

62
h-index

48315

88
g-index

238
all docs

238
docs citations

238
times ranked

9125
citing authors

#	ARTICLE	IF	CITATIONS
1	Cannabinoids suppress inflammatory and neuropathic pain by targeting $\alpha 3$ glycine receptors. Journal of Experimental Medicine, 2012, 209, 1121-1134.	8.5	224
2	Role of primary afferent nerves in allodynia caused by diabetic neuropathy in rats. Neuroscience, 2002, 114, 291-299.	2.3	214
3	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, 101-106.	7.1	195
4	Reversal of Reflex-Induced Myocardial Ischemia by Median Nerve Stimulation. Circulation, 1998, 97, 1186-1194.	1.6	191
5	The $\alpha 1$ -NMDA Receptor Complex Is Critically Involved in Neuropathic Pain Development and Gabapentin Therapeutic Actions. Cell Reports, 2018, 22, 2307-2321.	6.4	191
6	Cardiac vanilloid receptor $\alpha 1$ -expressing afferent nerves and their role in the cardiogenic sympathetic reflex in rats. Journal of Physiology, 2003, 551, 515-523.	2.9	187
7	Targeting $\alpha 1$ -methyl-D-aspartate receptors for treatment of neuropathic pain. Expert Review of Clinical Pharmacology, 2011, 4, 379-388.	3.1	162
8	C9a is essential for epigenetic silencing of K^+ channel genes in acute-to-chronic pain transition. Nature Neuroscience, 2015, 18, 1746-1755.	14.8	159
9	Modulation of pain transmission by G-protein-coupled receptors. , 2008, 117, 141-161.		157
10	Local Injection of Endothelin-1 Produces Pain-Like Behavior and Excitation of Nociceptors in Rats. Journal of Neuroscience, 2001, 21, 5358-5366.	3.6	156
11	Angiotensin II Stimulates Spinally Projecting Paraventricular Neurons through Presynaptic Disinhibition. Journal of Neuroscience, 2003, 23, 5041-5049.	3.6	151
12	Role of Presynaptic Muscarinic and GABA B Receptors in Spinal Glutamate Release and Cholinergic Analgesia in Rats. Journal of Physiology, 2002, 543, 807-818.	2.9	147
13	Hypersensitivity of Spinothalamic Tract Neurons Associated With Diabetic Neuropathic Pain in Rats. Journal of Neurophysiology, 2002, 87, 2726-2733.	1.8	143
14	Resiniferatoxin Induces Paradoxical Changes in Thermal and Mechanical Sensitivities in Rats: Mechanism of Action. Journal of Neuroscience, 2003, 23, 2911-2919.	3.6	131
15	AMPK activation attenuates inflammatory pain through inhibiting $\text{NF-}\kappa\text{B}$ activation and $\text{IL-1}\beta$ expression. Journal of Neuroinflammation, 2019, 16, 34.	7.2	129
16	Glutamatergic Inputs in the Hypothalamic Paraventricular Nucleus Maintain Sympathetic Vasomotor Tone in Hypertension. Hypertension, 2007, 49, 916-925.	2.7	126
17	Opioid-Induced Long-Term Potentiation in the Spinal Cord Is a Presynaptic Event. Journal of Neuroscience, 2010, 30, 4460-4466.	3.6	122
18	N-Methyl-D-aspartate Receptor- and Calpain-mediated Proteolytic Cleavage of $\text{K}^+\text{-Cl}^{\ominus}$ Cotransporter-2 Impairs Spinal Chloride Homeostasis in Neuropathic Pain. Journal of Biological Chemistry, 2012, 287, 33853-33864.	3.4	122

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19	Intrathecal Clonidine Alleviates Allodynia in Neuropathic Rats. <i>Anesthesiology</i> , 1999, 90, 509-514.	2.5	113
20	Role of protons in activation of cardiac sympathetic C-fibre afferents during ischaemia in cats. <i>Journal of Physiology</i> , 1999, 518, 857-866.	2.9	111
21	A-Type Voltage-Gated K ⁺ Currents Influence Firing Properties of Isolectin B4-Positive But Not Isolectin B4-Negative Primary Sensory Neurons. <i>Journal of Neurophysiology</i> , 2005, 93, 3401-3409.	1.8	110
22	Sensing Tissue Ischemia. <i>Circulation</i> , 2004, 110, 1826-1831.	1.6	109
23	Inhibition of Glutamatergic Synaptic Input to Spinal Lamina II/III Neurons by Presynaptic β_2 -Adrenergic Receptors. <i>Journal of Neurophysiology</i> , 2002, 87, 1938-1947.	1.8	108
24	Nitric Oxide Inhibits Spinally Projecting Paraventricular Neurons Through Potentiation of Presynaptic GABA Release. <i>Journal of Neurophysiology</i> , 2002, 88, 2664-2674.	1.8	106
25	Transient Receptor Potential Vanilloid Type 1 Activation Down-regulates Voltage-gated Calcium Channels through Calcium-dependent Calcineurin in Sensory Neurons. <i>Journal of Biological Chemistry</i> , 2005, 280, 18142-18151.	3.4	104
26	Role of β_3 -Aminobutyric Acid (GABA) and GABA _B Receptors in Paraventricular Nucleus in Control of Sympathetic Vasomotor Tone in Hypertension. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 615-626.	2.5	103
27	Reduction in voltage-gated K ⁺ channel activity in primary sensory neurons in painful diabetic neuropathy: role of brain-derived neurotrophic factor. <i>Journal of Neurochemistry</i> , 2010, 114, 1460-1475.	3.9	103
28	Aminopyridines Potentiate Synaptic and Neuromuscular Transmission by Targeting the Voltage-activated Calcium Channel β_2 Subunit. <i>Journal of Biological Chemistry</i> , 2009, 284, 36453-36461.	3.4	101
29	Signalling pathway of nitric oxide in synaptic GABA release in the rat paraventricular nucleus. <i>Journal of Physiology</i> , 2004, 554, 100-110.	2.9	97
30	Regulation of sympathetic vasomotor activity by the hypothalamic paraventricular nucleus in normotensive and hypertensive states. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H1200-H1214.	3.2	96
31	Antiallodynic Effect of Intrathecal Gabapentin and Its Interaction with Clonidine in a Rat Model of Postoperative Pain. <i>Anesthesiology</i> , 2000, 92, 1126-1131.	2.5	94
32	Angiotensin II Attenuates Synaptic GABA Release and Excites Paraventricular-Rostral Ventrolateral Medulla Output Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 1035-1045.	2.5	92
33	Spinal Endogenous Acetylcholine Contributes to the Analgesic Effect of Systemic Morphine in Rats. <i>Anesthesiology</i> , 2001, 95, 525-530.	2.5	88
34	Antinociceptive Effect of Morphine, but not μ Opioid Receptor Number, Is Attenuated in the Spinal Cord of Diabetic Rats. <i>Anesthesiology</i> , 2003, 99, 1409-1414.	2.5	88
35	Spinal cyclooxygenase-2 is involved in development of allodynia after nerve injury in rats. <i>Neuroscience</i> , 2000, 97, 743-748.	2.3	87
36	Pre- and postsynaptic plasticity underlying augmented glutamatergic inputs to hypothalamic presympathetic neurons in spontaneously hypertensive rats. <i>Journal of Physiology</i> , 2008, 586, 1637-1647.	2.9	87

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37	Hyper-SUMOylation of the Kv7 Potassium Channel Diminishes the M-Current Leading to Seizures and Sudden Death. <i>Neuron</i> , 2014, 83, 1159-1171.	8.1	86
38	Differential Sensitivity of N- and P/Q-Type Ca ²⁺ Channel Currents to a $\frac{1}{4}$ Opioid in Isolectin B -Positive and -Negative Dorsal Root Ganglion Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 939-947.	2.5	85
39	Altered synaptic input and GABA _B receptor function in spinal superficial dorsal horn neurons in rats with diabetic neuropathy. <i>Journal of Physiology</i> , 2007, 579, 849-861.	2.9	84
40	Plasticity and emerging role of BK _{Ca} channels in nociceptive control in neuropathic pain. <i>Journal of Neurochemistry</i> , 2009, 110, 352-362.	3.9	83
41	Pannexin-1 Up-regulation in the Dorsal Root Ganglion Contributes to Neuropathic Pain Development. <i>Journal of Biological Chemistry</i> , 2015, 290, 14647-14655.	3.4	83
42	VR1 Receptor Activation Induces Glutamate Release and Postsynaptic Firing in the Paraventricular Nucleus. <i>Journal of Neurophysiology</i> , 2004, 92, 1807-1816.	1.8	82
43	Chronic Opioid Potentiates Presynaptic but Impairs Postsynaptic N-Methyl-d-aspartic Acid Receptor Activity in Spinal Cords. <i>Journal of Biological Chemistry</i> , 2012, 287, 25073-25085.	3.4	82
44	Plasticity of GABAergic control of hypothalamic presympathetic neurons in hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1110-H1119.	3.2	79
45	Presynaptic NMDA receptors control nociceptive transmission at the spinal cord level in neuropathic pain. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1889-1899.	5.4	78
46	Functional $\frac{1}{4}$ Opioid Receptors Are Reduced in the Spinal Cord Dorsal Horn of Diabetic Rats. <i>Anesthesiology</i> , 2002, 97, 1602-1608.	2.5	76
47	Antinociceptive effects of chronic administration of uncompetitive NMDA receptor antagonists in a rat model of diabetic neuropathic pain. <i>Neuropharmacology</i> , 2009, 57, 121-126.	4.1	76
48	Chloride Homeostasis Critically Regulates Synaptic NMDA Receptor Activity in Neuropathic Pain. <i>Cell Reports</i> , 2016, 15, 1376-1383.	6.4	76
49	Loss of TRPV1-Expressing Sensory Neurons Reduces Spinal $\frac{1}{4}$ Opioid Receptors But Paradoxically Potentiates Opioid Analgesia. <i>Journal of Neurophysiology</i> , 2006, 95, 3086-3096.	1.8	75
50	Sex Differences in Cholinergic Analgesia I ^A . <i>Anesthesiology</i> , 1999, 91, 1447-1447.	2.5	74
51	GABAergic Projections from Lateral Hypothalamus to Paraventricular Hypothalamic Nucleus Promote Feeding. <i>Journal of Neuroscience</i> , 2015, 35, 3312-3318.	3.6	74
52	Intravenous Morphine Increases Release of Nitric Oxide From Spinal Cord by an $\frac{1}{2}$ -Adrenergic and Cholinergic Mechanism. <i>Journal of Neurophysiology</i> , 1997, 78, 2072-2078.	1.8	71
53	Stereospecific Effect of Pregabalin on Ectopic Afferent Discharges and Neuropathic Pain Induced by Sciatic Nerve Ligation in Rats. <i>Anesthesiology</i> , 2001, 95, 1473-1479.	2.5	70
54	NKCC1 Upregulation Disrupts Chloride Homeostasis in the Hypothalamus and Increases Neuronal Activity-Sympathetic Drive in Hypertension. <i>Journal of Neuroscience</i> , 2012, 32, 8560-8568.	3.6	70

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55	Electroacupuncture inhibits NLRP3 inflammasome activation through CB2 receptors in inflammatory pain. <i>Brain, Behavior, and Immunity</i> , 2018, 67, 91-100.	4.1	70
56	Distinct Roles of Group III Metabotropic Glutamate Receptors in Control of Nociception and Dorsal Horn Neurons in Normal and Nerve-Injured Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 120-126.	2.5	69
57	Endogenous Anandamide and Cannabinoid Receptor-2 Contribute to Electroacupuncture Analgesia in Rats. <i>Journal of Pain</i> , 2009, 10, 732-739.	1.4	69
58	Ghrelin receptors mediate ghrelin-induced excitation of agouti-related protein/neuropeptide Y but not pro-opiomelanocortin neurons. <i>Journal of Neurochemistry</i> , 2017, 142, 512-520.	3.9	68
59	Intrathecal Adenosine Interacts with a Spinal Noradrenergic System to Produce Antinociception in Nerve-injured Rats. <i>Anesthesiology</i> , 1999, 91, 1072-1072.	2.5	67
60	Primary Afferent Stimulation Differentially Potentiates Excitatory and Inhibitory Inputs to Spinal Lamina II Outer and Inner Neurons. <i>Journal of Neurophysiology</i> , 2004, 91, 2413-2421.	1.8	67
61	Regulation of increased glutamatergic input to spinal dorsal horn neurons by mGluR5 in diabetic neuropathic pain. <i>Journal of Neurochemistry</i> , 2010, 112, 162-172.	3.9	67
62	Calcineurin inhibitor induces pain hypersensitivity by potentiating pre- and postsynaptic NMDA receptor activity in spinal cords. <i>Journal of Physiology</i> , 2014, 592, 215-227.	2.9	67
63	Effect of the μ Opioid on Excitatory and Inhibitory Synaptic Inputs to Periaqueductal Gray-Projecting Neurons in the Amygdala. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 441-448.	2.5	66
64	Nerve Injury-Induced Chronic Pain Is Associated with Persistent DNA Methylation Reprogramming in Dorsal Root Ganglion. <i>Journal of Neuroscience</i> , 2018, 38, 6090-6101.	3.6	66
65	Role of M ₂ , M ₃ , and M ₄ muscarinic receptor subtypes in the spinal cholinergic control of nociception revealed using siRNA in rats. <i>Journal of Neurochemistry</i> , 2009, 111, 1000-1010.	3.9	65
66	Blocking μ opioid receptors in the spinal cord prevents the analgesic action by subsequent systemic opioids. <i>Brain Research</i> , 2006, 1081, 119-125.	2.2	64
67	Sensing of Blood Pressure Increase by Transient Receptor Potential Vanilloid 1 Receptors on Baroreceptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 851-859.	2.5	64
68	Effects of activation of group III metabotropic glutamate receptors on spinal synaptic transmission in a rat model of neuropathic pain. <i>Neuroscience</i> , 2009, 158, 875-884.	2.3	64
69	Synergistic Effect between Intrathecal Non-NMDA Antagonist and Gabapentin on Allodynia Induced by Spinal Nerve Ligation in Rats. <i>Anesthesiology</i> , 2000, 92, 500-500.	2.5	63
70	Cardiac interstitial bradykinin release during ischemia is enhanced by ischemic preconditioning. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H116-H121.	3.2	60
71	Allosteric Adenosine Receptor Modulation Reduces Hypersensitivity Following Peripheral Inflammation by a Central Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 950-955.	2.5	59
72	M2, M3, and M4 Receptor Subtypes Contribute to Muscarinic Potentiation of GABAergic Inputs to Spinal Dorsal Horn Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 697-704.	2.5	59

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73	Cannabinoid CB2 Receptors Contribute to Upregulation of δ -endorphin in Inflamed Skin Tissues by Electroacupuncture. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-98.	2.1	59
74	Increased α -NMDA receptor coupling potentiates glutamatergic input to spinal dorsal horn neurons in chemotherapy-induced neuropathic pain. <i>Journal of Neurochemistry</i> , 2019, 148, 252-274.	3.9	59
75	Role of Spinal NO in Antiallodynic Effect of Intrathecal Clonidine in Neuropathic Rats. <i>Anesthesiology</i> , 1998, 89, 1518-1523.	2.5	58
76	Spinal GABAB receptors mediate antinociceptive actions of cholinergic agents in normal and diabetic rats. <i>Brain Research</i> , 2003, 965, 67-74.	2.2	58
77	Nerve injury increases brain-derived neurotrophic factor levels to suppress BK channel activity in primary sensory neurons. <i>Journal of Neurochemistry</i> , 2012, 121, 944-953.	3.9	58
78	Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease. <i>Nature Neuroscience</i> , 2014, 17, 232-239.	14.8	58
79	Endogenous bradykinin activates ischaemically sensitive cardiac visceral afferents through kinin B2 receptors in cats. <i>Journal of Physiology</i> , 1998, 510, 633-641.	2.9	56
80	Nerve Injury Diminishes Opioid Analgesia through Lysine Methyltransferase-mediated Transcriptional Repression of μ -Opioid Receptors in Primary Sensory Neurons. <i>Journal of Biological Chemistry</i> , 2016, 291, 8475-8485.	3.4	56
81	μ -Opioid receptors in primary sensory neurons are essential for opioid analgesic effect on acute and inflammatory pain and opioid-induced hyperalgesia. <i>Journal of Physiology</i> , 2019, 597, 1661-1675.	2.9	56
82	μ Opioid Receptor Activation Inhibits GABAergic Inputs to Basolateral Amygdala Neurons Through Kv1.1/1.2 Channels. <i>Journal of Neurophysiology</i> , 2006, 95, 2032-2041.	1.8	54
83	Activation of muscarinic receptors inhibits spinal dorsal horn projection neurons: role of GABAB receptors. <i>Neuroscience</i> , 2004, 125, 141-148.	2.3	53
84	Switch to Glutamate Receptor 2-Lacking AMPA Receptors Increases Neuronal Excitability in Hypothalamus and Sympathetic Drive in Hypertension. <i>Journal of Neuroscience</i> , 2012, 32, 372-380.	3.6	53
85	Casein Kinase II Regulates α -Methyl-d-Aspartate Receptor Activity in Spinal Cords and Pain Hypersensitivity Induced by Nerve Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 301-312.	2.5	53
86	Effect of 2-(Phosphono-methyl)-pentanedioic Acid on Allodynia and Afferent Ectopic Discharges in a Rat Model of Neuropathic Pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 662-667.	2.5	52
87	Myocardial Ischemia Recruits Mechanically Insensitive Cardiac Sympathetic Afferents in Cats. <i>Journal of Neurophysiology</i> , 2002, 87, 660-668.	1.8	52
88	Signaling Mechanisms of Angiotensin II-Induced Attenuation of GABAergic Input to Hypothalamic Presympathetic Neurons. <i>Journal of Neurophysiology</i> , 2007, 97, 3279-3287.	1.8	50
89	Presynaptic N-Methyl-d-aspartate (NMDA) Receptor Activity Is Increased Through Protein Kinase C in Paclitaxel-induced Neuropathic Pain. <i>Journal of Biological Chemistry</i> , 2016, 291, 19364-19373.	3.4	50
90	Brain Angiotensin II and Synaptic Transmission. <i>Neuroscientist</i> , 2004, 10, 422-431.	3.5	49

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91	Intrathecal Neostigmine, but Not Sympathectomy, Relieves Mechanical Allodynia in a Rat Model of Neuropathic Pain. <i>Anesthesiology</i> , 1998, 89, 493-499.	2.5	48
92	Antiallodynic Effect of Intrathecal Neostigmine Is Mediated by Spinal Nitric Oxide in a Rat Model of Diabetic Neuropathic Pain. <i>Anesthesiology</i> , 2001, 95, 1007-1012.	2.5	48
93	The glutamatergic nature of TRPV1-expressing neurons in the spinal dorsal horn. <i>Journal of Neurochemistry</i> , 2009, 108, 305-318.	3.9	48
94	Focal Cerebral Ischemia and Reperfusion Induce Brain Injury Through α -Bound NMDA Receptors. <i>Stroke</i> , 2018, 49, 2464-2472.	2.0	47
95	Up-Regulation of Spinal Muscarinic Receptors and Increased Antinociceptive Effect of Intrathecal Muscarine in Diabetic Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 676-681.	2.5	46
96	Bortezomib induces neuropathic pain through protein kinase C-mediated activation of presynaptic NMDA receptors in the spinal cord. <i>Neuropharmacology</i> , 2017, 123, 477-487.	4.1	46
97	Diabetic neuropathy enhances voltage-activated Ca^{2+} channel activity and its control by M_{4} muscarinic receptors in primary sensory neurons. <i>Journal of Neurochemistry</i> , 2011, 119, 594-603.	3.9	45
98	Role of spinal muscarinic and nicotinic receptors in clonidine-induced nitric oxide release in a rat model of neuropathic pain. <i>Brain Research</i> , 2000, 861, 390-398.	2.2	44
99	Activation of δ -Opioid Receptors Excites Spinally Projecting Locus Coeruleus Neurons Through Inhibition of GABAergic Inputs. <i>Journal of Neurophysiology</i> , 2002, 88, 2675-2683.	1.8	44
100	Activation of δ -opioid receptors excites a population of locus coeruleus-spinal neurons through presynaptic disinhibition. <i>Brain Research</i> , 2004, 997, 67-78.	2.2	44
101	Resistance to morphine analgesic tolerance in rats with deleted transient receptor potential vanilloid type 1-expressing sensory neurons. <i>Neuroscience</i> , 2007, 145, 676-685.	2.3	44
102	Presynaptic mGluR5 receptor controls glutamatergic input through protein kinase C-NMDA receptors in paclitaxel-induced neuropathic pain. <i>Journal of Biological Chemistry</i> , 2017, 292, 20644-20654.	3.4	44
103	Chronic intrathecal morphine administration produces homologous mu receptor/G-protein desensitization specifically in spinal cord. <i>Brain Research</i> , 2001, 895, 1-8.	2.2	43
104	Functional Activity of the M2 and M4 Receptor Subtypes in the Spinal Cord Studied with Muscarinic Acetylcholine Receptor Knockout Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 765-770.	2.5	43
105	Regulation of Glutamate Release From Primary Afferents and Interneurons in the Spinal Cord by Muscarinic Receptor Subtypes. <i>Journal of Neurophysiology</i> , 2007, 97, 102-109.	1.8	43
106	Increased Spinal Cord Na^{+} - K^{+} - $2Cl^{-}$ Cotransporter-1 (NKCC1) Activity Contributes to Impairment of Synaptic Inhibition in Paclitaxel-induced Neuropathic Pain. <i>Journal of Biological Chemistry</i> , 2014, 289, 31111-31120.	3.4	43
107	Regulation of Synaptic Inputs to Paraventricular-Spinal Output Neurons by α 2 Adrenergic Receptors. <i>Journal of Neurophysiology</i> , 2005, 93, 393-402.	1.8	42
108	Increased Presynaptic and Postsynaptic α -Adrenoceptor Activity in the Spinal Dorsal Horn in Painful Diabetic Neuropathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 285-292.	2.5	42

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109	Suppression of GHS-R in AgRP Neurons Mitigates Diet-Induced Obesity by Activating Thermogenesis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 832.	4.1	42
110	The $\alpha 2\beta 1$ NMDA receptor coupling is essential for corticostriatal long-term potentiation and is involved in learning and memory. <i>Journal of Biological Chemistry</i> , 2018, 293, 19354-19364.	3.4	42
111	Protein Kinase CK2 Increases Glutamatergic Input in the Hypothalamus and Sympathetic Vasomotor Tone in Hypertension. <i>Journal of Neuroscience</i> , 2011, 31, 8271-8279.	3.6	41
112	Electroacupuncture Potentiates Cannabinoid Receptor-Mediated Descending Inhibitory Control in a Mouse Model of Knee Osteoarthritis. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 112.	2.9	41
113	Signaling mechanisms of down-regulation of voltage-activated Ca ²⁺ channels by transient receptor potential vanilloid type 1 stimulation with olvanil in primary sensory neurons. <i>Neuroscience</i> , 2006, 141, 407-419.	2.3	39
114	Mastering tricyclic ring systems for desirable functional cannabinoid activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 881-907.	5.5	39
115	Allosteric Adenosine Modulation to Reduce Allodynia. <i>Anesthesiology</i> , 2001, 95, 416-420.	2.5	38
116	Dynamic regulation of glycinergic input to spinal dorsal horn neurones by muscarinic receptor subtypes in rats. <i>Journal of Physiology</i> , 2006, 571, 403-413.	2.9	38
117	Nerve Injury Increases GluA2-Lacking AMPA Receptor Prevalence in Spinal Cords: Functional Significance and Signaling Mechanisms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 347, 765-772.	2.5	38
118	Effect of systemic and intrathecal gabapentin on allodynia in a new rat model of postherpetic neuralgia. <i>Brain Research</i> , 2005, 1042, 108-113.	2.2	37
119	Presynaptic $\alpha 1$ Adrenergic Receptors Differentially Regulate Synaptic Glutamate and GABA Release to Hypothalamic Presympathetic Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 733-742.	2.5	37
120	Electroacupuncture Increases CB2 Receptor Expression on Keratinocytes and Infiltrating Inflammatory Cells in Inflamed Skin Tissues of Rats. <i>Journal of Pain</i> , 2010, 11, 1250-1258.	1.4	37
121	mGluR5 Upregulation Increases Excitability of Hypothalamic Presympathetic Neurons through NMDA Receptor Trafficking in Spontaneously Hypertensive Rats. <i>Journal of Neuroscience</i> , 2014, 34, 4309-4317.	3.6	37
122	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. <i>Plastic and Reconstructive Surgery</i> , 2016, 138, 132-139.	1.4	37
123	Limitation of myocardial infarct size in pigs with a dual lipoxygenase-cyclooxygenase blocking agent by inhibition of neutrophil activity without reduction of neutrophil migration. <i>Journal of the American College of Cardiology</i> , 1993, 22, 1738-1744.	2.8	36
124	Effect of kappa opioid agonists on visceral nociception induced by uterine cervical distension in rats. <i>Pain</i> , 2002, 96, 13-22.	4.2	36
125	Activation of δ -Opioid Receptors Inhibits Synaptic Inputs to Spinally Projecting Rostral Ventromedial Medulla Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 476-483.	2.5	36
126	Endogenous transient receptor potential ankyrin 1 and vanilloid 1 activity potentiates glutamatergic input to spinal lamina I neurons in inflammatory pain. <i>Journal of Neurochemistry</i> , 2019, 149, 381-398.	3.9	36

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127	Impaired Hypothalamic Regulation of Sympathetic Outflow in Primary Hypertension. <i>Neuroscience Bulletin</i> , 2019, 35, 124-132.	2.9	36
128	Kv1.1/1.2 channels are downstream effectors of nitric oxide on synaptic GABA release to preautonomic neurons in the paraventricular nucleus. <i>Neuroscience</i> , 2007, 149, 315-327.	2.3	35
129	Increased Nociceptive Input Rapidly Modulates Spinal GABAergic Transmission Through Endogenously Released Glutamate. <i>Journal of Neurophysiology</i> , 2007, 97, 871-882.	1.8	35
130	Casein Kinase 2-mediated Synaptic GluN2A Up-regulation Increases N-Methyl-d-aspartate Receptor Activity and Excitability of Hypothalamic Neurons in Hypertension. <i>Journal of Biological Chemistry</i> , 2012, 287, 17438-17446.	3.4	35
131	NMDA couples to NMDA receptors in the hypothalamus to sustain sympathetic vasomotor activity in hypertension. <i>Journal of Physiology</i> , 2018, 596, 4269-4283.	2.9	34
132	NMDA Is Essential for Sympathetic Output and NMDA Receptor Activity Potentiated by Angiotensin II in the Hypothalamus. <i>Journal of Neuroscience</i> , 2018, 38, 6388-6398.	3.6	34
133	LRRRC8A-dependent volume-regulated anion channels contribute to ischemia-induced brain injury and glutamatergic input to hippocampal neurons. <i>Experimental Neurology</i> , 2020, 332, 113391.	4.1	34
134	Tetrodotoxin-sensitive and -resistant Na^+ channel currents in subsets of small sensory neurons of rats. <i>Brain Research</i> , 2004, 1029, 251-258.	2.2	33
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