Shao-Rui Chen

List of Publications by Citations

135 papers	5,844 citations	48 h-index	70 g-index
138 ext. papers	6,603 ext. citations	5.4 avg, IF	5.88 L-index

#	Paper	IF	Citations
135	Cannabinoids suppress inflammatory and neuropathic pain by targeting α3 glycine receptors. *Journal of Experimental Medicine*, **2012**, 209, 1121-34	16.6	159
134	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
133	Angiotensin II stimulates spinally projecting paraventricular neurons through presynaptic disinhibition. *Journal of Neuroscience*, **2003**, 23, 5041-9	6.6	139
132	Modulation of pain transmission by G-protein-coupled receptors **2008**, 117, 141-61		128
131	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
130	Hypersensitivity of spinothalamic tract neurons associated with diabetic neuropathic pain in rats. *Journal of Neurophysiology*, **2002**, 87, 2726-33	3.2	125
129	Targeting N-methyl-D-aspartate receptors for treatment of neuropathic pain. *Expert Review of Clinical Pharmacology*, **2011**, 4, 379-88	3.8	122
128	Resiniferatoxin induces paradoxical changes in thermal and mechanical sensitivities in rats: mechanism of action. *Journal of Neuroscience*, **2003**, 23, 2911-9	6.6	120
127	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
126	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
125	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
124	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
123	Intrathecal clonidine alleviates allodynia in neuropathic rats: interaction with spinal muscarinic and nicotinic receptors. *Anesthesiology*, **1999**, 90, 509-14	4.3	101
122	Opioid-induced long-term potentiation in the spinal cord is a presynaptic event. *Journal of Neuroscience*, **2010**, 30, 4460-6	6.6	100
121	Sensing tissue ischemia: another new function for capsaicin receptors?. *Circulation*, **2004**, 110, 1826-31	16.7	100
120	Nitric oxide inhibits spinally projecting paraventricular neurons through potentiation of presynaptic GABA release. *Journal of Neurophysiology*, **2002**, 88, 2664-74	3.2	96
119	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

118	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
117	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
116	Signalling pathway of nitric oxide in synaptic GABA release in the rat paraventricular nucleus. *Journal of Physiology*, **2004**, 554, 100-10	3.9	89
115	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
114	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
113	Spinal endogenous acetylcholine contributes to the analgesic effect of systemic morphine in rats. *Anesthesiology*, **2001**, 95, 525-30	4.3	81
112	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
111	VR1 receptor activation induces glutamate release and postsynaptic firing in the paraventricular nucleus. *Journal of Neurophysiology*, **2004**, 92, 1807-16	3.2	77
110	Plasticity and emerging role of BKCa channels in nociceptive control in neuropathic pain. *Journal of Neurochemistry*, **2009**, 110, 352-62	6	73
109	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
108	Functional mu opioid receptors are reduced in the spinal cord dorsal horn of diabetic rats. *Anesthesiology*, **2002**, 97, 1602-8	4.3	67
107	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
106	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
105	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
104	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
103	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
102	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
101	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

100	Chloride Homeostasis Critically Regulates Synaptic NMDA Receptor Activity in Neuropathic Pain. *Cell Reports*, **2016**, 15, 1376-1383	10.6	60
99	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
98	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
97	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
96	Role of spinal NO in antiallodynic effect of intrathecal clonidine in neuropathic rats. *Anesthesiology*, **1998**, 89, 1518-23	4.3	53
95	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
94	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
93	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
92	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
91	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
90	Spinal GABAB receptors mediate antinociceptive actions of cholinergic agents in normal and diabetic rats. *Brain Research*, **2003**, 965, 67-74	3.7	50
89	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
88	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
87	Myocardial ischemia recruits mechanically insensitive cardiac sympathetic afferents in cats. *Journal of Neurophysiology*, **2002**, 87, 660-8	3.2	46
86	Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease. *Nature Neuroscience*, **2014**, 17, 232-9	25.5	42
85	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
84	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
83	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

82	The glutamatergic nature of TRPV1-expressing neurons in the spinal dorsal horn. *Journal of Neurochemistry*, **2009**, 108, 305-18	6	41
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	Mastering tricyclic ring systems for desirable functional cannabinoid activity. *European Journal of Medicinal Chemistry*, **2013**, 69, 881-907	6.8	35
68	Increased nociceptive input rapidly modulates spinal GABAergic transmission through endogenously released glutamate. *Journal of Neurophysiology*, **2007**, 97, 871-82	3.2	35
67	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
66	Regulation of synaptic inputs to paraventricular-spinal output neurons by alpha2 adrenergic receptors. *Journal of Neurophysiology*, **2005**, 93, 393-402	3.2	34
65	Increased 1-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

64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	□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
56	Activation of mu-opioid receptors inhibits synaptic inputs to spinally projecting rostral ventromedial medulla neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 309, 476-85	4.7	28
55	Up-regulation of Cav□ 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
54	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
53	Focal Cerebral Ischemia and Reperfusion Induce Brain Injury Through □□1-Bound NMDA Receptors. *Stroke*, **2018**, 49, 2464-2472	6.7	26
52	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
51	The □□1-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
50	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
49	Adenosine inhibits paraventricular pre-sympathetic neurons through ATP-dependent potassium channels. *Journal of Neurochemistry*, **2010**, 113, 530-42	6	22
48	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
47	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

46	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
45	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
44	2B1 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
43	2B1 couples to NMDA receptors in the hypothalamus to sustain sympathetic vasomotor activity in hypertension. *Journal of Physiology*, **2018**, 596, 4269-4283	3.9	19
42	Endogenous transient receptor potential ankyrin 1 and vanilloid 1 activity potentiates glutamatergic input to spinal lamina I neurons in inflammatory pain. *Journal of Neurochemistry*, **2019**, 149, 381-398	6	18
41	Sustained inhibition of neurotransmitter release from nontransient receptor potential vanilloid type 1-expressing primary afferents by mu-opioid receptor activation-enkephalin in the spinal cord. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 327, 375-82	4.7	18
40	Regulating nociceptive transmission by VGluT2-expressing spinal dorsal horn neurons. *Journal of Neurochemistry*, **2018**, 147, 526-540	6	18
39	Protein kinase CK2 contributes to diminished small conductance Ca2+-activated K+ channel activity of hypothalamic pre-sympathetic neurons in hypertension. *Journal of Neurochemistry*, **2014**, 130, 657-67	6	17
38	Differential regulation of primary afferent input to spinal cord by muscarinic receptor subtypes delineated using knockout mice. *Journal of Biological Chemistry*, **2014**, 289, 14321-30	5.4	17
37	RE1-silencing transcription factor controls the acute-to-chronic neuropathic pain transition and receptor gene expression in primary sensory neurons. *Journal of Biological Chemistry*, **2018**, 293, 19078-19091	5.4	17
36	Removing TRPV1-expressing primary afferent neurons potentiates the spinal analgesic effect of delta-opioid agonists on mechano-nociception. *Neuropharmacology*, **2008**, 55, 215-22	5.5	16
35	Control of glycinergic input to spinal dorsal horn neurons by distinct muscarinic receptor subtypes revealed using knockout mice. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 323, 963-71	4.7	16
34	Potentiation of spinal alpha(2)-adrenoceptor analgesia in rats deficient in TRPV1-expressing afferent neurons. *Neuropharmacology*, **2007**, 52, 1624-30	5.5	16
33	2B1-Bound N-Methyl-D-aspartate Receptors Mediate Morphine-induced Hyperalgesia and Analgesic Tolerance by Potentiating Glutamatergic Input in Rodents. *Anesthesiology*, **2019**, 130, 804-819	4.3	16
32	Potentiation of high voltage-activated calcium channels by 4-aminopyridine depends on subunit composition. *Molecular Pharmacology*, **2014**, 86, 760-72	4.3	13
31	Mitogen-activated protein kinase signaling mediates opioid-induced presynaptic NMDA receptor activation and analgesic tolerance. *Journal of Neurochemistry*, **2019**, 148, 275-290	6	13
30	Endogenous nitric oxide inhibits spinal NMDA receptor activity and pain hypersensitivity induced by nerve injury. *Neuropharmacology*, **2017**, 125, 156-165	5.5	12
29	Casein kinase II inhibition reverses pain hypersensitivity and potentiated spinal N-methyl-D-aspartate receptor activity caused by calcineurin inhibitor. *Journal of Pharmacology and Experimental Therapeutics*, **2014**, 349, 239-47	4.7	12

28	Endogenous AT1 receptor-protein kinase C activity in the hypothalamus augments glutamatergic input and sympathetic outflow in hypertension. *Journal of Physiology*, **2019**, 597, 4325-4340	3.9	11
27	Dynamic control of glutamatergic synaptic input in the spinal cord by muscarinic receptor subtypes defined using knockout mice. *Journal of Biological Chemistry*, **2010**, 285, 40427-37	5.4	11
26	Role of spinal nitric oxide in the inhibitory effect of [D-Pen2, D-Pen5]-enkephalin on ascending dorsal horn neurons in normal and diabetic rats. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 303, 1021-8	4.7	11
25	Opioid receptors in primary sensory neurons are involved in supraspinal opioid analgesia. *Brain Research*, **2020**, 1729, 146623	3.7	11
24	Calcineurin Inhibition Causes 21-Mediated Tonic Activation of Synaptic NMDA Receptors and Pain Hypersensitivity. *Journal of Neuroscience*, **2020**, 40, 3707-3719	6.6	11
23	LRRC8A-dependent volume-regulated anion channels contribute to ischemia-induced brain injury and glutamatergic input to hippocampal neurons. *Experimental Neurology*, **2020**, 332, 113391	5.7	10
22	Streptozotocin-Induced Diabetic Neuropathic Pain Is Associated with Potentiated Calcium-Permeable AMPA Receptor Activity in the Spinal Cord. *Journal of Pharmacology and Experimental Therapeutics*, **2019**, 371, 242-249	4.7	9
21	Distinct intrinsic and synaptic properties of pre-sympathetic and pre-parasympathetic output neurons in Barrington's nucleus. *Journal of Neurochemistry*, **2013**, 126, 338-48	6	9
20	Muscarinic receptor subtypes differentially control synaptic input and excitability of cerebellum-projecting medial vestibular nucleus neurons. *Journal of Neurochemistry*, **2016**, 137, 226-39	6	8
19	21 Upregulation in Primary Sensory Neurons Promotes NMDA Receptor-Mediated Glutamatergic Input in Resiniferatoxin-Induced Neuropathy. *Journal of Neuroscience*, **2021**, 41, 5963-5978	6.6	8
18	Histone methyltransferase G9a diminishes expression of cannabinoid CB receptors in primary sensory neurons in neuropathic pain. *Journal of Biological Chemistry*, **2020**, 295, 3553-3562	5.4	7
17	Protein Kinase C-Mediated Phosphorylation and 21 Interdependently Regulate NMDA Receptor Trafficking and Activity. *Journal of Neuroscience*, **2021**, 41, 6415-6429	6.6	6
16	21 switches the phenotype of synaptic AMPA receptors by physically disrupting heteromeric subunit assembly. *Cell Reports*, **2021**, 36, 109396	10.6	6
15	Regulation of nociceptive transduction and transmission by nitric oxide. *Vitamins and Hormones*, **2014**, 96, 1-18	2.5	5
14	Nitric oxide stimulates glutamatergic synaptic inputs to baroreceptor neurons through potentiation of Cav2.2-mediated Ca(2+) currents. *Neuroscience Letters*, **2014**, 567, 57-62	3.3	4
13	Theta-burst stimulation of primary afferents drives long-term potentiation in the spinal cord and persistent pain via 21-bound NMDA receptors. *Journal of Neuroscience*, **2021**,	6.6	4
12	NMDA Receptors and Signaling in Chronic Neuropathic Pain **2017**, 103-119		3
11	Group III metabotropic glutamate receptors regulate hypothalamic presympathetic neurons through opposing presynaptic and postsynaptic actions in hypertension. *Neuropharmacology*, **2020**, 174, 108159	5.5	1

10	2 1 Protein Promotes Synaptic Expression of Ca Permeable-AMPA Receptors by Inhibiting GluA1/GluA2 Heteromeric Assembly in the Hypothalamus in Hypertension.. *Journal of Neurochemistry*, **2022**,	6	1
9	Calcineurin Regulates Synaptic Plasticity and Nociceptive Transmissionat the Spinal Cord Level. *Neuroscientist*, **2021**, 10738584211046888	7.6	1
8	2 1-Dependent NMDA Receptor Activity in the Hypothalamus Is an Effector of Genetic-Environment Interactions That Drive Persistent Hypertension. *Journal of Neuroscience*, **2021**, 41, 6551-6563	6.6	1
7	Reply to Meriney and Lacomis: Comment on direct aminopyridine effects on voltage-gated Ca channels. *Journal of Biological Chemistry*, **2018**, 293, 16101	5.4	1
6	Cannabinoid CB2 receptors are upregulated via bivalent histone modifications and control primary afferent input to the spinal cord in neuropathic pain.. *Journal of Biological Chemistry*, **2022**, 101999	5.4	1
5	Gene therapy approaches to restore chloride homeostasis for treating neuropathic pain **2020**, 687-700		
4	Central analgesic mechanisms of sinomenine in chronic neuropathic pain. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-12-22	0	
3	The &[Alpha]2 1 NMDA Receptor Coupling is Essential for Corticostriatal Long-Term Potentiation and is Involved in Learning and Memory. *FASEB Journal*, **2019**, 33, 738.2	0.9	
2	Nitric Oxide Derived from Neuronal NOS Inhibits Spinal Synaptic Transmission and Neuropathic Pain. *FASEB Journal*, **2015**, 29, 770.2	0.9	
1	Upregulation of Orexin Receptor in Paraventricular Nucleus Promotes Sympathetic Outflow Through Non-selective Cation Channel in Obesity. *FASEB Journal*, **2015**, 29, 647.5	0.9	