Shao-Rui Chen

List of Publications by Year
in descending order

137	7,388	36299 51	69246 77
papers	citations	h-index	g-index

138	138	138	6105
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cannabinoids suppress inflammatory and neuropathic pain by targeting Î±3 glycine receptors. Journal of Experimental Medicine, 2012, 209, 1121-1134.	8.5	224
2	The Î±2Î´-1-NMDA Receptor Complex Is Critically Involved in Neuropathic Pain Development and Gabapentin Therapeutic Actions. Cell Reports, 2018, 22, 2307-2321.	6.4	191
3	Cardiac vanilloid receptor 1â€expressing afferent nerves and their role in the cardiogenic sympathetic reflex in rats. Journal of Physiology, 2003, 551, 515-523.	2.9	187
4	Targeting<i>N</i>-methyl-<scp>D</scp>-aspartate receptors for treatment of neuropathic pain. Expert Review of Clinical Pharmacology, 2011, 4, 379-388.	3.1	162
5	G9a is essential for epigenetic silencing of K+ channel genes in acute-to-chronic pain transition. Nature Neuroscience, 2015, 18, 1746-1755.	14.8	159
6	Modulation of pain transmission by G-protein-coupled receptors. , 2008, 117, 141-161.		157
7	Angiotensin II Stimulates Spinally Projecting Paraventricular Neurons through Presynaptic Disinhibition. Journal of Neuroscience, 2003, 23, 5041-5049.	3.6	151
8	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
9	Hypersensitivity of Spinothalamic Tract Neurons Associated With Diabetic Neuropathic Pain in Rats. Journal of Neurophysiology, 2002, 87, 2726-2733.	1.8	143
10	Resiniferatoxin Induces Paradoxical Changes in Thermal and Mechanical Sensitivities in Rats: Mechanism of Action. Journal of Neuroscience, 2003, 23, 2911-2919.	3.6	131
11	Opioid-Induced Long-Term Potentiation in the Spinal Cord Is a Presynaptic Event. Journal of Neuroscience, 2010, 30, 4460-4466.	3.6	122
12	N-Methyl-d-aspartate Receptor- and Calpain-mediated Proteolytic Cleavage of K+-Clâˆ’ Cotransporter-2 Impairs Spinal Chloride Homeostasis in Neuropathic Pain. Journal of Biological Chemistry, 2012, 287, 33853-33864.	3.4	122
13	Intrathecal Clonidine Alleviates Allodynia in Neuropathic RatsÂ. Anesthesiology, 1999, 90, 509-514.	2.5	113
14	Role of protons in activation of cardiac sympathetic C-fibre afferents during ischaemia in cats. Journal of Physiology, 1999, 518, 857-866.	2.9	111
15	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, 3401-3409.	1.8	110
16	Sensing Tissue Ischemia. Circulation, 2004, 110, 1826-1831.	1.6	109
17	Nitric Oxide Inhibits Spinally Projecting Paraventricular Neurons Through Potentiation of Presynaptic GABA Release. Journal of Neurophysiology, 2002, 88, 2664-2674.	1.8	106
18	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, 18142-18151.	3.4	104

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19	Reduction in voltageâ€gated K⁺ channel activity in primary sensory neurons in painful diabetic neuropathy: role of brainâ€derived neurotrophic factor. Journal of Neurochemistry, 2010, 114, 1460-1475.	3.9	103
20	Aminopyridines Potentiate Synaptic and Neuromuscular Transmission by Targeting the Voltage-activated Calcium Channel Î² Subunit. Journal of Biological Chemistry, 2009, 284, 36453-36461.	3.4	101
21	Signalling pathway of nitric oxide in synaptic GABA release in the rat paraventricular nucleus. Journal of Physiology, 2004, 554, 100-110.	2.9	97
22	Spinal Endogenous Acetylcholine Contributes to the Analgesic Effect of Systemic Morphine in Rats. Anesthesiology, 2001, 95, 525-530.	2.5	88
23	Antinociceptive Effect of Morphine, but not Î¼ Opioid Receptor Number, Is Attenuated in the Spinal Cord of Diabetic Rats. Anesthesiology, 2003, 99, 1409-1414.	2.5	88
24	Hyper-SUMOylation of the Kv7 Potassium Channel Diminishes the M-Current Leading to Seizures and Sudden Death. Neuron, 2014, 83, 1159-1171.	8.1	86
25	Differential Sensitivity of N- and P/Q-Type Ca2+ Channel Currents to a Î¼ Opioid in Isolectin B -Positive and -Negative Dorsal Root Ganglion Neurons. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 939-947.	2.5	85
26	Altered synaptic input and GABA_B receptor function in spinal superficial dorsal horn neurons in rats with diabetic neuropathy. Journal of Physiology, 2007, 579, 849-861.	2.9	84
27	Plasticity and emerging role of BK_{Ca} channels in nociceptive control in neuropathic pain. Journal of Neurochemistry, 2009, 110, 352-362.	3.9	83
28	Pannexin-1 Up-regulation in the Dorsal Root Ganglion Contributes to Neuropathic Pain Development. Journal of Biological Chemistry, 2015, 290, 14647-14655.	3.4	83
29	VR1 Receptor Activation Induces Glutamate Release and Postsynaptic Firing in the Paraventricular Nucleus. Journal of Neurophysiology, 2004, 92, 1807-1816.	1.8	82
30	Chronic Opioid Potentiates Presynaptic but Impairs Postsynaptic N-Methyl-d-aspartic Acid Receptor Activity in Spinal Cords. Journal of Biological Chemistry, 2012, 287, 25073-25085.	3.4	82
31	Presynaptic NMDA receptors control nociceptive transmission at the spinal cord level in neuropathic pain. Cellular and Molecular Life Sciences, 2019, 76, 1889-1899.	5.4	78
32	Functional Î¼ Opioid Receptors Are Reduced in the Spinal Cord Dorsal Horn of Diabetic Rats. Anesthesiology, 2002, 97, 1602-1608.	2.5	76
33	Antinociceptive effects of chronic administration of uncompetitive NMDA receptor antagonists in a rat model of diabetic neuropathic pain. Neuropharmacology, 2009, 57, 121-126.	4.1	76
34	Chloride Homeostasis Critically Regulates Synaptic NMDA Receptor Activity in Neuropathic Pain. Cell Reports, 2016, 15, 1376-1383.	6.4	76
35	Loss of TRPV1-Expressing Sensory Neurons Reduces Spinal Î¼ Opioid Receptors But Paradoxically Potentiates Opioid Analgesia. Journal of Neurophysiology, 2006, 95, 3086-3096.	1.8	75
36	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, 120-126.	2.5	69

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37	Ghrelin receptors mediate ghrelinâ€induced excitation of agoutiâ€related protein/neuropeptide Y but not proâ€opiomelanocortin neurons. Journal of Neurochemistry, 2017, 142, 512-520.	3.9	68
38	Regulation of increased glutamatergic input to spinal dorsal horn neurons by mGluR5 in diabetic neuropathic pain. Journal of Neurochemistry, 2010, 112, 162-172.	3.9	67
39	Calcineurin inhibitor induces pain hypersensitivity by potentiating preâ€•and postsynaptic NMDA receptor activity in spinal cords. Journal of Physiology, 2014, 592, 215-227.	2.9	67
40	Effect of the Î¼ Opioid on Excitatory and Inhibitory Synaptic Inputs to Periaqueductal Gray-Projecting Neurons in the Amygdala. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 441-448.	2.5	66
41	Nerve Injury-Induced Chronic Pain Is Associated with Persistent DNA Methylation Reprogramming in Dorsal Root Ganglion. Journal of Neuroscience, 2018, 38, 6090-6101.	3.6	66
42	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, 1000-1010.	3.9	65
43	Blocking Î¼ opioid receptors in the spinal cord prevents the analgesic action by subsequent systemic opioids. Brain Research, 2006, 1081, 119-125.	2.2	64
44	Sensing of Blood Pressure Increase by Transient Receptor Potential Vanilloid 1 Receptors on Baroreceptors. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 851-859.	2.5	64
45	Synergistic Effect between Intrathecal Non-NMDA Antagonist and Gabapentin on Allodynia Induced by Spinal Nerve Ligation in Rats. Anesthesiology, 2000, 92, 500-500.	2.5	63
46	Cardiac interstitial bradykinin release during ischemia is enhanced by ischemic preconditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H116-H121.	3.2	60
47	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.	2.5	59
48	Increased Î±2Î´â€1â€“NMDA receptor coupling potentiates glutamatergic input to spinal dorsal horn neurons in chemotherapyâ€induced neuropathic pain. Journal of Neurochemistry, 2019, 148, 252-274.	3.9	59
49	Role of Spinal NO in Antiallodynic Effect of Intrathecal Clonidine in Neuropathic RatsÂ. Anesthesiology, 1998, 89, 1518-1523.	2.5	58
50	Spinal GABAB receptors mediate antinociceptive actions of cholinergic agents in normal and diabetic rats. Brain Research, 2003, 965, 67-74.	2.2	58
51	Nerve injury increases brainâ€derived neurotrophic factor levels to suppress BK channel activity in primary sensory neurons. Journal of Neurochemistry, 2012, 121, 944-953.	3.9	58
52	Presynaptic glycine receptors as a potential therapeutic target for hyperekplexia disease. Nature Neuroscience, 2014, 17, 232-239.	14.8	58
53	Nerve Injury Diminishes Opioid Analgesia through Lysine Methyltransferase-mediated Transcriptional Repression of Î¼-Opioid Receptors in Primary Sensory Neurons. Journal of Biological Chemistry, 2016, 291, 8475-8485.	3.4	56
54	Î¼â€Opioid receptors in primary sensory neurons are essential for opioid analgesic effect on acute and inflammatory pain and opioidâ€induced hyperalgesia. Journal of Physiology, 2019, 597, 1661-1675.	2.9	56

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55	Î¼ Opioid Receptor Activation Inhibits GABAergic Inputs to Basolateral Amygdala Neurons Through Kv1.1/1.2 Channels. Journal of Neurophysiology, 2006, 95, 2032-2041.	1.8	54
56	Casein Kinase II Regulates<i>N</i>-Methyl-d-Aspartate Receptor Activity in Spinal Cords and Pain Hypersensitivity Induced by Nerve Injury. Journal of Pharmacology and Experimental Therapeutics, 2014, 350, 301-312.	2.5	53
57	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, 662-667.	2.5	52
58	Myocardial Ischemia Recruits Mechanically Insensitive Cardiac Sympathetic Afferents in Cats. Journal of Neurophysiology, 2002, 87, 660-668.	1.8	52
59	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, 19364-19373.	3.4	50
60	Antiallodynic Effect of Intrathecal Neostigmine Is Mediated by Spinal Nitric Oxide in a Rat Model of Diabetic Neuropathic Pain. Anesthesiology, 2001, 95, 1007-1012.	2.5	48
61	The glutamatergic nature of TRPV1â€expressing neurons in the spinal dorsal horn. Journal of Neurochemistry, 2009, 108, 305-318.	3.9	48
62	Focal Cerebral Ischemia and Reperfusion Induce Brain Injury Through Î±2Î´-1â€“Bound NMDA Receptors. Stroke, 2018, 49, 2464-2472.	2.0	47
63	Up-Regulation of Spinal Muscarinic Receptors and Increased Antinociceptive Effect of Intrathecal Muscarine in Diabetic Rats. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 676-681.	2.5	46
64	Bortezomib induces neuropathic pain through protein kinase C-mediated activation of presynaptic NMDA receptors in the spinal cord. Neuropharmacology, 2017, 123, 477-487.	4.1	46
65	Diabetic neuropathy enhances voltageâ€activated Ca²⁺ channel activity and its control by M₄ muscarinic receptors in primary sensory neurons. Journal of Neurochemistry, 2011, 119, 594-603.	3.9	45
66	Role of spinal muscarinic and nicotinic receptors in clonidine-induced nitric oxide release in a rat model of neuropathic pain. Brain Research, 2000, 861, 390-398.	2.2	44
67	Activation of Î´-Opioid Receptors Excites Spinally Projecting Locus Coeruleus Neurons Through Inhibition of GABAergic Inputs. Journal of Neurophysiology, 2002, 88, 2675-2683.	1.8	44
68	Activation of Î¼-opioid receptors excites a population of locus coeruleus-spinal neurons through presynaptic disinhibition. Brain Research, 2004, 997, 67-78.	2.2	44
69	Presynaptic mGluR5 receptor controls glutamatergic input through protein kinase Câ€“NMDA receptors in paclitaxel-induced neuropathic pain. Journal of Biological Chemistry, 2017, 292, 20644-20654.	3.4	44
70	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, 765-770.	2.5	43
71	Regulation of Glutamate Release From Primary Afferents and Interneurons in the Spinal Cord by Muscarinic Receptor Subtypes. Journal of Neurophysiology, 2007, 97, 102-109.	1.8	43
72	Increased Spinal Cord Na+-K+-2Clâˆ’ Cotransporter-1 (NKCC1) Activity Contributes to Impairment of Synaptic Inhibition in Paclitaxel-induced Neuropathic Pain. Journal of Biological Chemistry, 2014, 289, 31111-31120.	3.4	43

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73	Regulation of Synaptic Inputs to Paraventricular-Spinal Output Neurons by Î±2 Adrenergic Receptors. Journal of Neurophysiology, 2005, 93, 393-402.	1.8	42
74	Increased Presynaptic and Postsynaptic Î±₂-Adrenoceptor Activity in the Spinal Dorsal Horn in Painful Diabetic Neuropathy. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 285-292.	2.5	42
75	The Î±2Î´-1â€"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.	3.4	42
76	Mastering tricyclic ring systems for desirable functional cannabinoid activity. European Journal of Medicinal Chemistry, 2013, 69, 881-907.	5.5	39
77	Dynamic regulation of glycinergic input to spinal dorsal horn neurones by muscarinic receptor subtypes in rats. Journal of Physiology, 2006, 571, 403-413.	2.9	38
78	Nerve Injury Increases GluA2-Lacking AMPA Receptor Prevalence in Spinal Cords: Functional Significance and Signaling Mechanisms. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 765-772.	2.5	38
79	Effect of systemic and intrathecal gabapentin on allodynia in a new rat model of postherpetic neuralgia. Brain Research, 2005, 1042, 108-113.	2.2	37
80	Activation of Î¼-Opioid Receptors Inhibits Synaptic Inputs to Spinally Projecting Rostral Ventromedial Medulla Neurons. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 476-483.	2.5	36
81	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.	3.9	36
82	Increased Nociceptive Input Rapidly Modulates Spinal GABAergic Transmission Through Endogenously Released Glutamate. Journal of Neurophysiology, 2007, 97, 871-882.	1.8	35
83	Î±2Î´â€1 couples to NMDA receptors in the hypothalamus to sustain sympathetic vasomotor activity in hypertension. Journal of Physiology, 2018, 596, 4269-4283.	2.9	34
84	Î±2Î´-1 Is Essential for Sympathetic Output and NMDA Receptor Activity Potentiated by Angiotensin II in the Hypothalamus. Journal of Neuroscience, 2018, 38, 6388-6398.	3.6	34
85	LRRC8A-dependent volume-regulated anion channels contribute to ischemia-induced brain injury and glutamatergic input to hippocampal neurons. Experimental Neurology, 2020, 332, 113391.	4.1	34
86	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, 254-264.	2.5	33
87	Up-regulation of CavÎ²3 Subunit in Primary Sensory Neurons Increases Voltage-activated Ca2+ Channel Activity and Nociceptive Input in Neuropathic Pain. Journal of Biological Chemistry, 2012, 287, 6002-6013.	3.4	33
88	RE1-silencing transcription factor controls the acute-to-chronic neuropathic pain transition and Chrm2 receptor gene expression in primary sensory neurons. Journal of Biological Chemistry, 2018, 293, 19078-19091.	3.4	33
89	Nitric Oxide Inhibits Nociceptive Transmission by Differentially Regulating Glutamate and Glycine Release to Spinal Dorsal Horn Neurons. Journal of Biological Chemistry, 2011, 286, 33190-33202.	3.4	31
90	Regulating nociceptive transmission by <scp>VG</scp>luT2â€expressing spinal dorsal horn neurons. Journal of Neurochemistry, 2018, 147, 526-540.	3.9	31

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91	Mitogenâ€activated protein kinase signaling mediates opioidâ€induced presynaptic <scp>NMDA</scp> receptor activation and analgesic tolerance. Journal of Neurochemistry, 2019, 148, 275-290.	3.9	29
92	Î±2Î´-1â€“Bound<i>N</i>-Methyl-<scp>d</scp>-aspartate Receptors Mediate Morphine-induced Hyperalgesia and Analgesic Tolerance by Potentiating Glutamatergic Input in Rodents. Anesthesiology, 2019, 130, 804-819.	2.5	29
93	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.	2.5	27
94	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, 1048-1055.	2.3	27
95	Calcineurin Inhibition Causes Î±2Î´-1â€“Mediated Tonic Activation of Synaptic NMDA Receptors and Pain Hypersensitivity. Journal of Neuroscience, 2020, 40, 3707-3719.	3.6	27
96	Systemic Morphine Inhibits Dorsal Horn Projection Neurons through Spinal Cholinergic System Independent of Descending Pathways. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 611-617.	2.5	26
97	Î±2Î´-1 Upregulation in Primary Sensory Neurons Promotes NMDA Receptor-Mediated Glutamatergic Input in Resiniferatoxin-Induced Neuropathy. Journal of Neuroscience, 2021, 41, 5963-5978.	3.6	26
98	Spinal Nitric Oxide Contributes to the Analgesic Effect of Intrathecal [D-Pen2,D-Pen5]-Enkephalin in Normal and Diabetic Rats. Anesthesiology, 2003, 98, 217-222.	2.5	25
99	Increased C-Fiber Nociceptive Input Potentiates Inhibitory Glycinergic Transmission in the Spinal Dorsal Horn. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 1000-1010.	2.5	25
100	Adenosine inhibits paraventricular preâ€sympathetic neurons through ATPâ€dependent potassium channels. Journal of Neurochemistry, 2010, 113, 530-542.	3.9	25
101	Protein Kinase C-Mediated Phosphorylation and Î±2Î´-1 Interdependently Regulate NMDA Receptor Trafficking and Activity. Journal of Neuroscience, 2021, 41, 6415-6429.	3.6	25
102	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, 161-168.	2.5	24
103	Î¼-Opioid receptors in primary sensory neurons are involved in supraspinal opioid analgesia. Brain Research, 2020, 1729, 146623.	2.2	24
104	Sustained Inhibition of Neurotransmitter Release from Nontransient Receptor Potential Vanilloid Type 1-Expressing Primary Afferents by Î¼-Opioid Receptor Activation-Enkephalin in the Spinal Cord. Journal of Pharmacology and Experimental Therapeutics, 2008, 327, 375-382.	2.5	21
105	Endogenous AT1 receptorâ€“protein kinase C activity in the hypothalamus augments glutamatergic input and sympathetic outflow in hypertension. Journal of Physiology, 2019, 597, 4325-4340.	2.9	21
106	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, 963-971.	2.5	19
107	Protein kinase <scp>CK</scp>2 contributes to diminished small conductance Ca²⁺â€activated K⁺ channel activity of hypothalamic preâ€sympathetic neurons in hypertension. Journal of Neurochemistry, 2014, 130, 657-667.	3.9	19
108	Differential Regulation of Primary Afferent Input to Spinal Cord by Muscarinic Receptor Subtypes Delineated Using Knockout Mice. Journal of Biological Chemistry, 2014, 289, 14321-14330.	3.4	19

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109	Endogenous nitric oxide inhibits spinal NMDA receptor activity and pain hypersensitivity induced by nerve injury. Neuropharmacology, 2017, 125, 156-165.	4.1	19
110	Î±2Î´-1 switches the phenotype of synaptic AMPA receptors by physically disrupting heteromeric subunit assembly. Cell Reports, 2021, 36, 109396.	6.4	19
111	Potentiation of spinal Î±2-adrenoceptor analgesia in rats deficient in TRPV1-expressing afferent neurons. Neuropharmacology, 2007, 52, 1624-1630.	4.1	18
112	Histone methyltransferase G9a diminishes expression of cannabinoid CB1 receptors in primary sensory neurons in neuropathic pain. Journal of Biological Chemistry, 2020, 295, 3553-3562.	3.4	18
113	Theta-Burst Stimulation of Primary Afferents Drives Long-Term Potentiation in the Spinal Cord and Persistent Pain via Î±2Î´-1-Bound NMDA Receptors. Journal of Neuroscience, 2022, 42, 513-527.	3.6	18
114	Removing TRPV1-expressing primary afferent neurons potentiates the spinal analgesic effect of Î´-opioid agonists on mechano-nociception. Neuropharmacology, 2008, 55, 215-222.	4.1	17
115	Potentiation of High Voltageâ€"Activated Calcium Channels by 4-Aminopyridine Depends on Subunit Composition. Molecular Pharmacology, 2014, 86, 760-772.	2.3	16
116	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.	2.5	16
117	Î±2Î´-1â€"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.	3.6	15
118	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, 298, 101999.	3.4	15
119	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, 1021-1028.	2.5	13
120	Dynamic Control of Glutamatergic Synaptic Input in the Spinal Cord by Muscarinic Receptor Subtypes Defined Using Knockout Mice. Journal of Biological Chemistry, 2010, 285, 40427-40437.	3.4	12
121	Casein Kinase II Inhibition Reverses Pain Hypersensitivity and Potentiated Spinal <i>N</i>-Methyl-d-aspartate Receptor Activity Caused by Calcineurin Inhibitor. Journal of Pharmacology and Experimental Therapeutics, 2014, 349, 239-247.	2.5	12
122	Muscarinic receptor subtypes differentially control synaptic input and excitability of cerebellumâ€projecting medial vestibular nucleus neurons. Journal of Neurochemistry, 2016, 137, 226-239.	3.9	11
123	Calcineurin Controls Hypothalamic NMDA Receptor Activity and Sympathetic Outflow. Circulation Research, 2022, 131, 345-360.	4.5	11
124	Calcineurin Regulates Synaptic Plasticity and Nociceptive Transmission at the Spinal Cord Level. Neuroscientist, 2022, 28, 628-638.	3.5	10
125	Distinct intrinsic and synaptic properties of preâ€sympathetic and preâ€parasympathetic output neurons in Barrington's nucleus. Journal of Neurochemistry, 2013, 126, 338-348.	3.9	9
126	Group III metabotropic glutamate receptors regulate hypothalamic presympathetic neurons through opposing presynaptic and postsynaptic actions in hypertension. Neuropharmacology, 2020, 174, 108159.	4.1	9

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127	Regulation of Nociceptive Transduction and Transmission by Nitric Oxide. Vitamins and Hormones, 2014, 96, 1-18.	1.7	8
128	NMDA Receptors and Signaling in Chronic Neuropathic Pain. , 2017, , 103-119.		6
129	Nitric oxide stimulates glutamatergic synaptic inputs to baroreceptor neurons through potentiation of Cav2.2-mediated Ca2+ currents. Neuroscience Letters, 2014, 567, 57-62.	2.1	5
130	Î±2Î´â€•1 protein promotes synaptic expression of Ca²⁺ permeableâ€“<scp>AMPA</scp> receptors by inhibiting <scp>GluA1</scp>/<scp>GluA2</scp> heteromeric assembly in the hypothalamus in hypertension. Journal of Neurochemistry, 2022, 161, 40-52.	3.9	5
131	Reply to Meriney and Lacomis: Comment on direct aminopyridine effects on voltage-gated Ca2+ channels. Journal of Biological Chemistry, 2018, 293, 16101.	3.4	1
132	Gene therapy approaches to restore chloride homeostasis for treating neuropathic pain. , 2020, , 687-700.		0
133	Nitric Oxide Derived from Neuronal NOS Inhibits Spinal Synaptic Transmission and Neuropathic Pain. FASEB Journal, 2015, 29, 770.2.	0.5	0
134	Upregulation of Orexin Receptor in Paraventricular Nucleus Promotes Sympathetic Outflow Through Nonâ€selective Cation Channel in Obesity. FASEB Journal, 2015, 29, 647.5.	0.5	0
135	Central analgesic mechanisms of sinomenine in chronic neuropathic pain. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-12-22.	0.0	0
136	The &[Alpha]2Î´â€•1â€“NMDA Receptor Coupling is Essential for Corticostriatal Longâ€Term Potentiation and is Involved in Learning and Memory. FASEB Journal, 2019, 33, 738.2.	0.5	0
137	Calcineurin inhibition causes persistent hypertension through hypothalamic NMDA receptorâ€dependent sympathetic outflow. FASEB Journal, 2022, 36, .	0.5	0