Karin N Westlund

List of Publications by Year
in descending order

185	12,972	15495 65	25770 108
papers	citations	h-index	g-index

187	187	187	6454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distinct monoamine oxidase A and B populations in primate brain. Science, 1985, 230, 181-183.	6.0	477
2	Noradrenergic projections to the spinal cord of the rat. Brain Research, 1983, 263, 15-31.	1.1	473
3	Descending projections of the locus coeruleus and subcoeruleus/medial parabrachial nuclei in monkey: Axonal transport studies and dopamine-Î²-hydroxylase immunocytochemistry. Brain Research Reviews, 1980, 2, 235-264.	9.1	399
4	Descending serotonergic, peptidergic and cholinergic pathways from the raphe nuclei: A multiple transmitter complex. Brain Research, 1983, 288, 33-48.	1.1	366
5	Localization of distinct monoamine oxidase a and monoamine oxidase b cell populations in human brainstem. Neuroscience, 1988, 25, 439-456.	1.1	335
6	Origins of serotonergic projections to the spinal cord in rat: An immunocytochemical-retrograde transport study. Brain Research, 1981, 226, 187-199.	1.1	309
7	Origins and terminations of descending noradrenergic projections to the spinal cord of monkey. Brain Research, 1984, 292, 1-16.	1.1	286
8	The efferent projections of the periaqueductal gray in the rat: APhaseolus vulgaris-leucoagglutinin study. II. Descending projections. Journal of Comparative Neurology, 1995, 351, 585-601.	0.9	263
9	Visceral nociceptive input into the ventral posterolateral nucleus of the thalamus: a new function for the dorsal column pathway. Journal of Neurophysiology, 1996, 76, 2661-2674.	0.9	244
10	Descending Noradrenergic Projections and their Spinal Terminations. Progress in Brain Research, 1982, 57, 219-238.	0.9	243
11	Pelvic visceral input into the nucleus gracilis is largely mediated by the postsynaptic dorsal column pathway. Journal of Neurophysiology, 1996, 76, 2675-2690.	0.9	237
12	A visceral pain pathway in the dorsal column of the spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7675-7679.	3.3	228
13	Excitatory amino acid receptor involvement in peripheral nociceptive transmission in rats. European Journal of Pharmacology, 1997, 324, 169-177.	1.7	213
14	Transdermal cannabidiol reduces inflammation and painâ€related behaviours in a rat model of arthritis. European Journal of Pain, 2016, 20, 936-948.	1.4	205
15	Neural changes in acute arthritis in monkeys. I. Parallel enhancement of responses of spinothalamic tract neurons to mechanical stimulation and excitatory amino acids. Brain Research Reviews, 1992, 17, 1-13.	9.1	199
16	Is there a pathway in the posterior funiculus that signals visceral pain?. Pain, 1996, 67, 291-305.	2.0	183
17	Immunocytochemical localization of monoamine oxidases A and B in human peripheral tissues and brain.. Journal of Histochemistry and Cytochemistry, 1987, 35, 23-32.	1.3	159
18	Behavioral and immunohistochemical changes in an experimental arthritis model in rats. Pain, 1993, 55, 367-377.	2.0	159

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19	Do dorsal root reflexes augment peripheral inflammation?. NeuroReport, 1994, 5, 821-824.	0.6	158
20	The efferent projections of the periaqueductal gray in the rat: APhaseolus vulgaris-leucoagglutinin study. I. Ascending projections. Journal of Comparative Neurology, 1995, 351, 568-584.	0.9	155
21	Rodent Model of Chronic Central Pain After Spinal Cord Contusion Injury and Effects of Gabapentin. Journal of Neurotrauma, 2000, 17, 1205-1217.	1.7	151
22	Amino acid release into the knee joint: key role in nociception and inflammation. Pain, 2000, 86, 69-74.	2.0	150
23	Neural changes in acute arthritis in monkeys. IV. Time-course of amino acid release into the lumbar dorsal horn. Brain Research Reviews, 1992, 17, 39-50.	9.1	149
24	Arthritic calcitonin/Î± calcitonin gene-related peptide knockout mice have reduced nociceptive hypersensitivity. Pain, 2001, 89, 265-273.	2.0	145
25	Transcriptional profiling of spinal cord injury-induced central neuropathic pain. Journal of Neurochemistry, 2005, 95, 998-1014.	2.1	142
26	Organization of Descending Serotonergic Projections to the Spinal Cord. Progress in Brain Research, 1982, 57, 239-265.	0.9	141
27	Increased Blood Pressure in Î±-Calcitonin Geneâ€“Related Peptide/Calcitonin Gene Knockout Mice. Hypertension, 2000, 35, 470-475.	1.3	141
28	Neural changes in acute arthritis in monkeys. III. Changes in substance P, calcitonin gene-related peptide and glutamate in the dorsal horn of the spinal cord. Brain Research Reviews, 1992, 17, 29-38.	9.1	139
29	An experimental arthritis in rats: Dorsal horn aspartate and glutamate increases. Neuroscience Letters, 1992, 145, 141-144.	1.0	132
30	Surgical interruption of a midline dorsal column visceral pain pathway. Journal of Neurosurgery, 1997, 86, 538-542.	0.9	131
31	Centrally administered non-NMDA but not NMDA receptor antagonists block peripheral knee joint inflammation. Pain, 1993, 55, 217-225.	2.0	111
32	Ascending projections from the area around the spinal cord central canal: APhaseolus vulgaris leucoagglutinin study in rats. , 1999, 415, 341-367.		110
33	Origins of spinal noradrenergic pathways demonstrated by retrograde transport of antibody to dopamine-Î²-hydroxylase. Neuroscience Letters, 1981, 25, 243-249.	1.0	108
34	Mechanical sensation and pain thresholds in patients with chronic arthropathies. Journal of Pain, 2003, 4, 203-211.	0.7	106
35	Thermosensitive TRP ion channels mediate cytosolic calcium response in human synoviocytes. American Journal of Physiology - Cell Physiology, 2006, 291, C424-C432.	2.1	105
36	DNA microarray analysis of the contused spinal cord: Effect of NMDA receptor inhibition. Journal of Neuroscience Research, 2002, 68, 406-423.	1.3	103

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37	Sensitization of postsynaptic dorsal column neuronal responses by colon inflammation. NeuroReport, 1997, 8, 3267-3273.	0.6	102
38	Spinal cord amino acid release and content in an arthritis model: the effects of pretreatment with non-NMDA, NMDA, and NK1 receptor antagonists. Brain Research, 1993, 627, 89-103.	1.1	98
39	Glutamate immunoreactivity in rat dorsal root axons. Neuroscience Letters, 1989, 96, 13-17.	1.0	96
40	Excitatory amino acids, TNF-alpha , and chemokine levels in synovial fluids of patients with active arthropathies. Clinical and Experimental Immunology, 2004, 137, 621-627.	1.1	96
41	Increased Release of Serotonin in the Spinal Cord During Low, But Not High, Frequency Transcutaneous Electric Nerve Stimulation in Rats With Joint Inflammation. Archives of Physical Medicine and Rehabilitation, 2006, 87, 1137-1140.	0.5	94
42	The noradrenergic locus coeruleus as a chronic pain generator. Journal of Neuroscience Research, 2017, 95, 1336-1346.	1.3	93
43	Nucleus Gracilis: An Integrator for Visceral and Somatic Information. Journal of Neurophysiology, 1997, 78, 521-527.	0.9	92
44	LOCALIZATION OF SEROTONIN FIBERS IN THE RAT ADENOHYPOPHYSIS. Endocrinology, 1982, 111, 1761-1763.	1.4	88
45	Serotonergic projections to the caudal brain stem: a double label study using horseradish peroxidase and serotonin immunocytochemistry. Brain Research, 1982, 239, 258-264.	1.1	87
46	Calcitonin gene-related peptide (CGRP) in the human spinal cord: A light and electron microscopic analysis. Journal of Comparative Neurology, 1988, 269, 371-380.	0.9	86
47	Neural changes in acute arthritis in monkeys. II. Increased glutamate immunoreactivity in the medial articular nerve. Brain Research Reviews, 1992, 17, 15-27.	9.1	86
48	Transmitters of the raphe-spinal complex: Immunocytochemical studies. Peptides, 1982, 3, 291-298.	1.2	85
49	Spinal projections of the locus coeruleus and the nucleus subcoeruleus in the Harlan and the Sasco Sprague-Dawley rat. Brain Research, 1992, 579, 67-73.	1.1	84
50	Steroid induction of nerve growth factor synthesis in cell culture. Life Sciences, 1977, 21, 1535-1543.	2.0	82
51	Fiber types contributing to dorsal root reflexes induced by joint inflammation in cats and monkeys. Journal of Neurophysiology, 1995, 74, 981-989.	0.9	79
52	Changes in nitric oxide synthase isoforms in the spinal cord of rat following induction of chronic arthritis. Experimental Brain Research, 1998, 118, 457-465.	0.7	79
53	Intracellular distribution of monoamine oxidase A in selected regions of rat and monkey brain and spinal cord. Brain Research, 1993, 612, 221-230.	1.1	78
54	Dorsal root reflexes in articular afferents occur bilaterally in a chronic model of arthritis in rats. Journal of Neurophysiology, 1996, 76, 4190-4193.	0.9	78

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55	Tumor Necrosis Factor-Alpha (TNF-Î±) Enhances Functional Thermal and Chemical Responses of TRP Cation Channels in Human Synoviocytes. Molecular Pain, 2009, 5, 1744-8069-5-49.	1.0	77
56	GABA-immunoreactive terminals synapse on primate spinothalamic tract cells. Journal of Comparative Neurology, 1992, 322, 528-537.	0.9	76
57	Reactive Oxygen Species Mediate TNFR1 Increase after TRPV1 Activation in Mouse DRG Neurons. Molecular Pain, 2009, 5, 1744-8069-5-31.	1.0	75
58	Rapid changes in expression of glutamate transporters after spinal cord injury. Brain Research, 2002, 927, 104-110.	1.1	74
59	A combined retrograde transport and immunocytochemical staining method for demonstrating the origins of serotonergic projections.. Journal of Histochemistry and Cytochemistry, 1982, 30, 805-810.	1.3	73
60	An experimental arthritis model in rats: The effects of NMDA and non-NMDA antagonists on aspartate and glutamate release in the dorsal horn. Neuroscience Letters, 1993, 149, 99-102.	1.0	73
61	Differential roles of neurokinin 1 and neurokinin 2 receptors in the development and maintenance of heat hyperalgesia induced by acute inflammation. British Journal of Pharmacology, 1997, 120, 1263-1273.	2.7	73
62	Nociception in Persistent Pancreatitis in Rats. Anesthesiology, 2003, 98, 474-484.	1.3	73
63	Dorsal column lesions reverse the reduction of homecage activity in rats with pancreatitis. NeuroReport, 1997, 8, 3795-3800.	0.6	72
64	Joint inflammation is reduced by dorsal rhizotomy and not by sympathectomy or spinal cord transection.. Annals of the Rheumatic Diseases, 1994, 53, 309-314.	0.5	71
65	Punctate midline myelotomy for the relief of visceral cancer pain. Journal of Neurosurgery: Spine, 2000, 92, 125-130.	0.9	70
66	Reduction in joint swelling and hyperalgesia following post-treatment with a non-NMDA glutamate receptor antagonist. Pain, 1994, 59, 95-100.	2.0	65
67	Exogenous Bcl-xl fusion protein spares neurons after spinal cord injury. Journal of Neuroscience Research, 2005, 79, 628-637.	1.3	65
68	Serotonergic projections to the spinal cord from the midbrain in the rat: An immunocytochemical and retrograde transport study. Neuroscience Letters, 1981, 24, 221-226.	1.0	64
69	The relationship of the medullary catecholamine containing neurones to the vagal motor nuclei. Neuroscience, 1982, 7, 1471-1482.	1.1	61
70	Direct catecholaminergic innervation of primate spinothalamic tract neurons. Journal of Comparative Neurology, 1990, 299, 178-186.	0.9	61
71	Association of spinal lamina I projections with brainstem catecholamine neurons in the monkey. Experimental Brain Research, 1996, 110, 151-62.	0.7	61
72	Cortical, Tectal and Medullary Descending Pathways to the Cervical Spinal Cord. Progress in Brain Research, 1979, 50, 263-279.	0.9	60

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73	Differential effects of N-methyl-D-aspartate (NMDA) and non-NMDA receptor antagonists on spinal release of amino acids after development of acute arthritis in rats. Brain Research, 1994, 664, 77-84.	1.1	59
74	Blockade of joint inflammation and secondary hyperalgesia by L-NAME, a nitric oxide synthase inhibitor. NeuroReport, 1997, 8, 895-899.	0.6	57
75	Nicotinic cholinergic receptors: potential targets for inflammatory pain relief. Pain, 1999, 80, 291-299.	2.0	57
76	Impact of Central and Peripheral TRPV1 and ROS Levels on Proinflammatory Mediators and Nociceptive Behavior. Molecular Pain, 2010, 6, 1744-8069-6-46.	1.0	57
77	Calcitonin gene-related peptide containing primary afferent fibers synapse on primate spinothalamic tract cells. Neuroscience Letters, 1990, 109, 76-81.	1.0	56
78	Orofacial neuropathic pain mouse model induced by Trigeminal Inflammatory Compression (TIC) of the infraorbital nerve. Molecular Brain, 2012, 5, 44.	1.3	56
79	Cytochemical characterization of pituitary target cells for biotinylated gonadotropin releasing hormone. Peptides, 1983, 4, 549-555.	1.2	55
80	Reversal of weightlessness-induced musculoskeletal losses with androgens: quantification by MRI. Journal of Applied Physiology, 1999, 86, 1841-1846.	1.2	54
81	Group I Metabotropic Glutamate Receptor Antagonists Block Secondary Thermal Hyperalgesia in Rats with Knee Joint Inflammation. Journal of Pharmacology and Experimental Therapeutics, 2002, 300, 149-156.	1.3	54
82	Intrathecal Gabapentin Enhances the Analgesic Effects of Subtherapeutic Dose Morphine in a Rat Experimental Pancreatitis Model. Anesthesiology, 2004, 101, 759-765.	1.3	54
83	Peptide immunoreactivity of unmyelinated primary afferent axons in rat lumbar dorsal roots.. Journal of Histochemistry and Cytochemistry, 1989, 37, 1047-1052.	1.3	53
84	Effects of baclofen on colon inflammation-induced Fos, CGRP and SP expression in spinal cord and brainstem. Brain Research, 2001, 889, 118-130.	1.1	52
85	Characterization of Anterior Pituitary Target Cells for Arginine Vasopressin: Including Cells that Store Adrenocorticotropin, Thyrotropin-I^2, and Both Hormones*. Endocrinology, 1989, 125, 554-559.	1.4	51
86	Do nociceptive signals from the pancreas travel in the dorsal column?. Pain, 2001, 89, 207-220.	2.0	51
87	Receptor for calcitonin gene-related peptide: localization in the dorsal and ventral spinal cord. Neuroscience, 1999, 92, 1389-1397.	1.1	50
88	Immunohistochemical localization of seven different peptides in the human spinal cord. Journal of Comparative Neurology, 1989, 280, 158-170.	0.9	48
89	Aspartate immunoreactive axons in normal rat L4 dorsal roots. Brain Research, 1989, 489, 347-351.	1.1	45
90	Dexamethasone and activators of the protein kinase A and C signal transduction pathways regulate neuronal calcitonin gene-related peptide expression and release. Brain Research, 1995, 686, 77-86.	1.1	45

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91	The role of the dorsal column pathway in visceral nociception. Current Pain and Headache Reports, 2001, 5, 20-26.	1.3	45
92	Characterization of a potent biotin-conjugated CRF analog and the response of anterior pituitary corticotropes. Peptides, 1984, 5, 627-634.	1.2	44
93	Immunocytochemical localization of dopamine-Î²-hydroxylase in neurons of the human brain stem. Neuroscience, 1987, 23, 981-989.	1.1	42
94	Serotoninergic and noradrenergic projections to the ventral posterolateral nucleus of the monkey thalamus. Journal of Comparative Neurology, 1990, 295, 197-207.	0.9	42
95	Glutamate-immunoreactive terminals synapse on primate spinothalamic tract cells. Journal of Comparative Neurology, 1992, 322, 519-527.	0.9	42
96	Potentiation of thalamic responses to colorectal distension by visceral inflammation. NeuroReport, 1996, 7, 1635-1639.	0.6	42
97	Percentages of dorsal root axons immunoreactive for galanin are higher than those immunoreactive for calcitonin gene-related peptide in the rat. Brain Research, 1990, 519, 97-101.	1.1	41
98	Role of Neurogenic Inflammation in Pancreatitis and Pancreatic Pain. NeuroSignals, 2005, 14, 158-165.	0.5	41
99	Plasticity in intact AÎ´- and C-fibers contributes to cold hypersensitivity in neuropathic rats. Neuroscience, 2007, 150, 182-193.	1.1	41
100	Ultrastructural localization of glutamate receptor subunits (NMDAR1, AMPA GluR1 and GluR2/3) and spinothalamic tract cells. NeuroReport, 1996, 7, 2581-2586.	0.6	40
101	Bcl-xL Expression after Contusion to the Rat Spinal Cord. Journal of Neurotrauma, 2001, 18, 1267-1278.	1.7	40
102	Upregulation of the phosphorylated form of CREB in spinothalamic tract cells following spinal cord injury: Relation to central neuropathic pain. Neuroscience Letters, 2005, 384, 139-144.	1.0	40
103	Treatment of Inflamed Pancreas with Enkephalin Encoding HSV-1 Recombinant Vector Reduces Inflammatory Damage and Behavioral Sequelae. Molecular Therapy, 2007, 15, 1812-1819.	3.7	40
104	Enkephalin-Encoding Herpes Simplex Virus-1 Decreases Inflammation and Hotplate Sensitivity in a Chronic Pancreatitis Model. Molecular Pain, 2008, 4, 1744-8069-4-8.	1.0	39
105	GABA-A receptor activity in the noradrenergic locus coeruleus drives trigeminal neuropathic pain in the rat; contribution of NAÎ±1 receptors in the medial prefrontal cortex. Neuroscience, 2016, 334, 148-159.	1.1	35
106	A rat knockout model implicates TRPC4 in visceral pain sensation. Neuroscience, 2014, 262, 165-175.	1.1	34
107	Histone deacetylase inhibitors prevent persistent hypersensitivity in an orofacial neuropathic pain model. Molecular Pain, 2018, 14, 174480691879676.	1.0	33
108	Central Lateral Thalamic Neurons Receive Noxious Visceral Mechanical and Chemical Input in Rats. Journal of Neurophysiology, 2009, 102, 244-258.	0.9	31

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109	Origins of serotonergic projections to the lumbar spinal cord in the monkey using a combined retrograde transport and immunocytochemical technique. Brain Research Bulletin, 1982, 9, 271-278.	1.4	30
110	Changes in calcitonin gene-related peptide immunoreactivity in the rat dorsal horn following electrical stimulation of the sciatic nerve. Neuroscience Letters, 1990, 115, 149-154.	1.0	30
111	A peripheral neuroimmune link: glutamate agonists upregulate NMDA NR1 receptor mRNA and protein, vimentin, TNF-Î±, and RANTES in cultured human synoviocytes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R584-R598.	0.9	30
112	Noradrenergic innervation of somatosensory thalamus and spinal cord. Progress in Brain Research, 1991, 88, 77-88.	0.9	29
113	Attenuation of nociception in a model of acute pancreatitis by an NK-1 antagonist. Pharmacology Biochemistry and Behavior, 2004, 77, 631-640.	1.3	29
114	Trigeminal Inflammatory Compression (TIC) injury induces chronic facial pain and susceptibility to anxiety-related behaviors. Neuroscience, 2015, 295, 126-138.	1.1	29
115	Responses of rat dorsal column neurons to pancreatic nociceptive stimulation. NeuroReport, 2001, 12, 2527-2530.	0.6	28
116	Restoration of spontaneous exploratory behaviors with an intrathecal NMDA receptor antagonist or a PKC inhibitor in rats with acute pancreatitis. Pharmacology Biochemistry and Behavior, 2004, 77, 145-153.	1.3	28
117	Dysregulated TNFÎ± promotes cytokine proteome profile increases and bilateral orofacial hypersensitivity. Neuroscience, 2015, 300, 493-507.	1.1	28
118	fMRI of supraspinal areas after morphine and one week pancreatic inflammation in rats. NeuroImage, 2009, 44, 23-34.	2.1	26
119	Chronic inflammation and pain in a tumor necrosis factor receptor (TNFR) (p55/p75-/-) dual deficient murine model. Translational Research, 2012, 160, 84-94.	2.2	26
120	Enhanced Neuronal Expression of Calcitonin Geneâ€“Related Peptide in Mineralocorticoid-Salt Hypertension. Hypertension, 1995, 25, 1333-1338.	1.3	26
121	Organization of ascending auditory pathways in the pigeon (Columbia livia) as determined by autoradiographic methods. Brain Research, 1982, 234, 205-212.	1.1	25
122	Visceral nociception. Current Review of Pain, 2000, 4, 478-487.	0.8	25
123	Catechol-O-methyltransferase inhibition alters pain and anxiety-related volitional behaviors through activation of Î²-adrenergic receptors in the rat. Neuroscience, 2015, 290, 561-569.	1.1	25
124	Somatostatin fibers and their relationship to specific cell types (GH and TSH) in the rat anterior pituitary. Peptides, 1983, 4, 557-562.	1.2	24
125	Macrophage Migration Inhibitory Factor Mediates PAR-Induced Bladder Pain. PLoS ONE, 2015, 10, e0127628.	1.1	24
126	Alcohol and high fat induced chronic pancreatitis: TRPV4 antagonist reduces hypersensitivity. Neuroscience, 2015, 311, 166-179.	1.1	23

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127	Protease-Activated Receptor 4 Induces Bladder Pain through High Mobility Group Box-1. PLoS ONE, 2016, 11, e0152055.	1.1	23
128	A study of some of the ascending and descending vestibular pathways in the pigeon (Columba livia) using anterograde transneuronal autoradiography. Brain Research, 1983, 278, 53-61.	1.1	22
129	Enhanced withdrawal responses to mechanical and thermal stimuli after bone injury. Pain, 1997, 73, 325-337.	2.0	22
130	Proton-sensing G protein-coupled receptor mobilizes calcium in human synovial cells. American Journal of Physiology - Cell Physiology, 2005, 289, C601-C608.	2.1	22
131	Disulfide high mobility group box-1 causes bladder pain through bladder Toll-like receptor 4. BMC Physiology, 2017, 17, 6.	3.6	22
132	Decreased spinal cord content of calcitonin gene-related peptide in the spontaneously hypertensive rat. Neuroscience Letters, 1991, 131, 183-186.	1.0	21
133	Dihydropyridine receptor isoform expression in adult rat skeletal muscle. Pflugers Archiv European Journal of Physiology, 1998, 436, 309-314.	1.3	21
134	Joint capsule treatment with enkephalin-encoding HSV-1 recombinant vector reduces inflammatory damage and behavioural sequelae in rat CFA monoarthritis. European Journal of Neuroscience, 2008, 27, 1153-1165.	1.2	21
135	PPARÎ³ Agonists Attenuate Trigeminal Neuropathic Pain. Clinical Journal of Pain, 2017, 33, 1071-1080.	0.8	21
136	Manganese-enhanced MRI reveals changes within brain anxiety and aversion circuitry in rats with chronic neuropathic pain- and anxiety-like behaviors. NeuroImage, 2020, 223, 117343.	2.1	21
137	Cannabinoid Receptor 2 Agonist Attenuates Pain Related Behavior in Rats with Chronic Alcohol/High Fat Diet Induced Pancreatitis. Molecular Pain, 2014, 10, 1744-8069-10-66.	1.0	19
138	Ensuring due process in the IACUC and animal welfare setting: considerations in developing noncompliance policies and procedures for institutional animal care and use committees and institutional officials. FASEB Journal, 2017, 31, 4216-4225.	0.2	19
139	Dorsal column lesion prevents mechanical hyperalgesia and allodynia in osteotomy model. Pain, 1999, 82, 73-80.	2.0	18
140	Trigeminal neuropathic pain is alleviated by inhibition of Ca_v3.3 T-type calcium channels in mice. Channels, 2021, 15, 31-37.	1.5	18
141	Pharmacological attenuation of chronic alcoholic pancreatitis induced hypersensitivity in rats. World Journal of Gastroenterology, 2015, 21, 836.	1.4	18
142	Effects of nerve growth factor and acetyl-l-carnitine arginyl amide on the human neuronal line HCN-1A. International Journal of Developmental Neuroscience, 1992, 10, 361-373.	0.7	17
143	Dietary calcium modulates spinal cord content of calcitonin gene-related peptide in the rat. Neuroscience Letters, 1988, 95, 335-340.	1.0	16
144	An I2 imidazoline ligand, RS 45041, potentiates hyperalgesia in acute arthritis. NeuroReport, 1996, 7, 1497-1501.	0.6	16

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145	Gene therapy for pancreatitis pain. Gene Therapy, 2009, 16, 483-492.	2.3	16
146	Trigeminal Nerve Injury ErbB3/ErbB2 Promotes Mechanical Hypersensitivity. Anesthesiology, 2012, 117, 381-388.	1.3	16
147	Intrathecal Coadministration of D-APV and Morphine Is Maximally Effective in a Rat Experimental Pancreatitis Model. Anesthesiology, 2003, 98, 734-740.	1.3	15
148	Pain System. , 2004, , 1125-1170.		14
149	Combination Drug Therapy of Pioglitazone and D-cycloserine Attenuates Chronic Orofacial Neuropathic Pain and Anxiety by Improving Mitochondrial Function Following Trigeminal Nerve Injury. Clinical Journal of Pain, 2018, 34, 168-177.	0.8	14
150	NGF-producing transfected 3T3 cells: Behavioral and histological assessment of transplants in nigral lesioned rats. Journal of Neuroscience Research, 1995, 41, 367-373.	1.3	13
151	Minimally Invasive Oral Surgery Induction of the FRICT-ION Chronic Neuropathic Pain Model. Bio-protocol, 2020, 10, e3591.	0.2	13
152	Adrenergic fibers in the spinal cord of the monkey: light and electron microscopic study. Journal of the Autonomic Nervous System, 1989, 28, 203-210.	1.9	12
153	The role of type 1 metabotropic glutamate receptors in the generation of dorsal root reflexes induced by acute arthritis or the spinal infusion of 4-aminopyridine in the anesthetized rat. Journal of Pain, 2000, 1, 151-161.	0.7	12
154	Comparison of microdialysis and pushâ€“pull perfusion for retrieval of serotonin and norepinephrine in the spinal cord dorsal horn. Journal of Neuroscience Methods, 2003, 126, 187-194.	1.3	12
155	Inflammatory â€˜double hitâ€™ model of temporomandibular joint disorder with elevated <scp>CCL</scp>2, <scp>CXCL</scp>9, <scp>CXCL</scp>10, <scp>RANTES</scp> and behavioural hypersensitivity in <scp>TNFR</scp>1/R2â^'/â^' mice. European Journal of Pain, 2017, 21, 1209-1223.	1.4	12
156	NMDA receptors and associated signaling pathways: a role in knee joint blood flow regulation. European Journal of Pharmacology, 2004, 499, 155-161.	1.7	11
157	Sustained relief of trigeminal neuropathic pain by a bloodâ€“brain barrier penetrable PPAR gamma agonist. Molecular Pain, 2019, 15, 174480691988449.	1.0	10
158	Gene expression profiling and endothelin in acute experimental pancreatitis. World Journal of Gastroenterology, 2012, 18, 4257.	1.4	10
159	Hypothalamic regulatory peptides and their receptors: Cytochemical studies of their role in regulation at the adenohypophyseal level. Journal of Electron Microscopy Technique, 1991, 19, 21-41.	1.1	9
160	Serotonin is found in myelinated axons of the dorsolateral funiculus in monkeys. Neuroscience Letters, 1992, 141, 35-38.	1.0	9
161	Efficacy of Herpes Simplex Virus Vector Encoding the Human Preproenkephalin Gene for Treatment of Facial Pain in Mice. Journal of Oral and Facial Pain and Headache, 2016, 30, 42-50.	0.7	9
162	Pine Oil Effects on Chemical and Thermal Injury in Mice and Cultured Mouse Dorsal Root Ganglion Neurons. Phytotherapy Research, 2014, 28, 252-260.	2.8	8

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163	Single-chain Fragment variable antibody targeting cholecystokinin-B receptor for pain reduction. Neurobiology of Pain (Cambridge, Mass), 2021, 10, 100067.	1.0	8
164	Chapter 9 The dorsal horn and hyperalgesia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2006, 81, 103-125.	1.0	7
165	Pain System. , 2004, , 853-890.		6
166	Persistent Neuropathic Pain Influences Persistence Behavior in Rats. Journal of Oral and Facial Pain and Headache, 2015, 29, 183-192.	0.7	6
167	Building and Testing PPARÎ³ Therapeutic ELB00824 with an Improved Therapeutic Window for Neuropathic Pain. Molecules, 2020, 25, 1120.	1.7	5
168	Isolation, characterization, and application of monoclonal antibodies to rat tyrosine hydroxylase. Journal of Neuroscience Research, 1989, 23, 316-325.	1.3	4
169	Pain System. , 2012, , 1144-1186.		4
170	The Therapeutic Effectiveness of Full Spectrum Hemp Oil Using a Chronic Neuropathic Pain Model. Life, 2020, 10, 69.	1.1	4
171	Single-Dose P2 X4R Single-Chain Fragment Variable Antibody Permanently Reverses Chronic Pain in Male Mice. International Journal of Molecular Sciences, 2021, 22, 13612.	1.8	4
172	Rat Models of Pancreatitis Pain. Methods in Molecular Biology, 2012, 851, 223-238.	0.4	3
173	Pain Pathways. , 2014, , 87-98.e5.		3
174	Tyrosine Kinase Inhibitors Reduce NMDA NR1 Subunit Expression, Nuclear Translocation, and Behavioral Pain Measures in Experimental Arthritis. Frontiers in Physiology, 2020, 11, 440.	1.3	3
175	Punctate Midline Myelotomy Reduces Pain Responses in a Rat Model of Lumbar Spine Pain: Evidence that the Postsynaptic Dorsal Column Pathway Conveys Pain from the Axial Spine. Cureus, 2018, 10, e2371.	0.2	3
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