Antti YrjÃ¶ Pertovaara

List of Publications by Year
in descending order

237 papers	8,654 citations	31949 53 h-index	64755 79 g-index
241 all docs	241 docs citations	241 times ranked	6615 citing authors

#	Article	IF	Citations
1	Noradrenergic pain modulation. Progress in Neurobiology, 2006, 80, 53-83.	2.8	470
2	Striatal dopamine D2 receptors in modulation of pain in humans: a review. European Journal of Pharmacology, 2004, 500, 187-192.	1.7	199
3	Lidocaine in the rostroventromedial medulla and the periaqueductal gray attenuates allodynia in neuropathic rats. Neuroscience Letters, 1996, 218, 127-130.	1.0	190
4	Neuropathic pain is associated with depressive behaviour and induces neuroplasticity in the amygdala of the rat. Experimental Neurology, 2008, 213, 48-56.	2.0	158
5	Neuropeptide FF and modulation of pain. Brain Research, 1999, 848, 191-196.	1.1	151
6	Attenuation of Mechanical Hypersensitivity by an Antagonist of the TRPA1 Ion Channel in Diabetic Animals. Anesthesiology, 2009, 111, 147-154.	1.3	149
7	The noradrenergic pain regulation system: A potential target for pain therapy. European Journal of Pharmacology, 2013, 716, 2-7.	1.7	143
8	Dopamine D2 receptor binding in the human brain is associated with the response to painful stimulation and pain modulatory capacity. Pain, 2002, 99, 273-279.	2.0	129
9	Peripheral and spinal neural mechanisms in arthritis, with particular reference to treatment of inflammation and pain. Arthritis and Rheumatism, 1994, 37, 965-982.	6.7	128
10	Ischemic pain nonsegmentally produces a predominant reduction of pain and thermal sensitivity in man: A selective role for endogenous opioids. Brain Research, 1982, 251, 83-92.	1.1	127
11	The impact of age on emotional and cognitive behaviours triggered by experimental neuropathy in rats. Pain, 2009, 144, 57-65.	2.0	115
12	Modification of dental pain and cutaneous thermal sensitivity by physical exercise in man. Brain Research, 1985, 360, 33-40.	1.1	112
13	Effects of an NMDA-receptor antagonist MK-801 on an MMN-like response recorded in anesthetized rats. Brain Research, 2008, 1203, 97-102.	1.1	106
14	Chronic Spinal Nerve Ligation Induces Changes in Response Characteristics of Nociceptive Spinal Dorsal Horn Neurons and in Their Descending Regulation Originating in the Periaqueductal Gray in the Rat. Experimental Neurology, 1997, 147, 428-436.	2.0	102
15	Inhibiting TRPA1 ion channel reduces loss of cutaneous nerve fiber function in diabetic animals: Sustained activation of the TRPA1 channel contributes to the pathogenesis of peripheral diabetic neuropathy. Pharmacological Research, 2012, 65, 149-158.	3.1	102
16	Pain Behavior and Response Properties of Spinal Dorsal Horn Neurons Following Experimental Diabetic Neuropathy in the Rat: Modulation by Nitecapone, a COMT Inhibitor with Antioxidant Properties. Experimental Neurology, 2001, 167, 425-434.	2.0	101
17	Efficacy of Kilohertz-Frequency and Conventional Spinal Cord Stimulation in Rat Models of Different Pain Conditions. Neuromodulation, 2014, 17, 226-235.	0.4	99
18	A Neuronal Correlate of Secondary Hyperalgesia in the Rat Spinal Dorsal Horn Is Submodality Selective and Facilitated by Supraspinal Influence. Experimental Neurology, 1998, 149, 193-202.	2.0	96

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19	The Effects of Stimulus Area and Adaptation Temperature on Warm and Heat Pain Thresholds in Man. International Journal of Neuroscience, 1987, 32, 875-880.	0.8	91
20	Effect of Systemic Medetomidine, an Alpha2 Adrenoceptor Agonist, on Experimental Pain in Humans. Anesthesiology, 1991, 74, 3-8.	1.3	91
21	Behavioural measures of depression and anxiety in rats with spinal nerve ligation-induced neuropathy. Pain, 1999, 80, 341-346.	2.0	90
22	Pharmacological Properties, Central Nervous System Effects, and Potential Therapeutic Applications of Atipamezole, a Selective Î±₂â€Adrenoceptor Antagonist. CNS Neuroscience & Therapeutics, 2005, 11, 273-288.	4.0	90
23	Rifampin Greatly Reduces the Plasma Concentrations of Intravenous and Oral Oxycodone. Anesthesiology, 2009, 110, 1371-1378.	1.3	90
24	Psychiatric (axis I) and personality (axis II) disorders in patients with burning mouth syndrome or atypical facial pain. Scandinavian Journal of Pain, 2011, 2, 155-160.	0.5	86
25	The influence of exercise on dental pain thresholds and the release of stress hormones. Physiology and Behavior, 1984, 33, 923-926.	1.0	84
26	Reduction of BDNF expression in Fmr1 knockout mice worsens cognitive deficits but improves hyperactivity and sensorimotor deficits. Genes, Brain and Behavior, 2012, 11, 513-523.	1.1	83
27	Influence of spinalization on spinal withdrawal reflex responses varies depending on the submodality of the test stimulus and the experimental pathophysiological condition in the rat. Brain Research, 1998, 797, 234-242.	1.1	81
28	Spinal transient receptor potential ankyrin 1 channel contributes to central pain hypersensitivity in various pathophysiological conditions in the rat. Pain, 2011, 152, 582-591.	2.0	79
29	Roles of cutaneous versus spinal TRPA1 channels in mechanical hypersensitivity in the diabetic or mustard oil-treated non-diabetic rat. Neuropharmacology, 2010, 58, 578-584.	2.0	78
30	<scp>TRPA</scp>1: A Transducer and Amplifier of Pain and Inflammation. Basic and Clinical Pharmacology and Toxicology, 2014, 114, 50-55.	1.2	77
31	TRPA1 Antagonists for Pain Relief. Pharmaceuticals, 2018, 11, 117.	1.7	77
32	Striatal dopamine D2/D3 receptor availability correlates with individual response characteristics to pain. European Journal of Neuroscience, 2004, 20, 1587-1592.	1.2	74
33	Differential effects of left/right neuropathy on ratsâ€™ anxiety and cognitive behavior. Pain, 2012, 153, 2218-2225.	2.0	74
34	Right secondary somatosensory cortexâ€”a promising novel target for the treatment of drug-resistant neuropathic orofacial pain with repetitive transcranial magnetic stimulation. Pain, 2015, 156, 1276-1283.	2.0	73
35	Cutaneous pain and detection thresholds to short CO2 laser pulses in humans: Evidence on afferent mechanisms and the influence of varying stimulus conditions. Pain, 1988, 34, 261-269.	2.0	71
36	Dexamethasone attenuates exercise-induced dental analgesia in man. Brain Research, 1990, 519, 329-332.	1.1	71

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37	Somatotopic blocking of sensation with navigated transcranial magnetic stimulation of the primary somatosensory cortex. Human Brain Mapping, 2005, 26, 100-109.	1.9	71
38	Capsaicin-induced central facilitation of a nociceptive flexion reflex in humans. Neuroscience Letters, 1993, 159, 215-218.	1.0	70
39	Variation in the dopamine D2 receptor gene plays a key role in human pain and its modulation by transcranial magnetic stimulation. Pain, 2014, 155, 2180-2187.	2.0	70
40	Striatal dopamine D2 receptors attenuate neuropathic hypersensitivity in the rat. Experimental Neurology, 2007, 205, 536-546.	2.0	68
41	Chapter 13 Descending inhibitory systems. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2006, 81, 179-192.	1.0	67
42	Influence of peripheral nerve injury on response properties of locus coeruleus neurons and coeruleospinal antinociception in the rat. Neuroscience, 2007, 146, 1785-1794.	1.1	67
43	Supraspinal Influence on Hindlimb Withdrawal Thresholds and Mustard Oil-Induced Secondary Allodynia in Rats. Brain Research Bulletin, 1997, 42, 359-365.	1.4	65
44	Medetomidine, atipamezole, and guanfacine in delayed response performance of aged monkeys. Pharmacology Biochemistry and Behavior, 1996, 55, 415-422.	1.3	62
45	Influence of the rate of temperature change on thermal thresholds in man. Experimental Neurology, 1985, 87, 439-445.	2.0	60
46	Effects of medetomidine, an Î±-2 adrenoceptor agonist, and atipamezole, an Î±-2 antagonist, on spatial memory performance in adult and aged rats. Behavioral and Neural Biology, 1992, 58, 113-119.	2.3	60
47	Modulation of facial sensitivity by navigated rTMS in healthy subjects. Pain, 2009, 142, 149-158.	2.0	59
48	The effect of medetomidine, an Î±2-adrenoceptor agonist, in various pain tests. European Journal of Pharmacology, 1990, 179, 323-328.	1.7	58
49	Influence of skin temperature on heat pain threshold in humans. Experimental Brain Research, 1996, 107, 497-503.	0.7	58
50	The effect of temporal parameters on subjective sensations evoked by electrical tooth stimulation. Pain, 1987, 30, 361-371.	2.0	57
51	Association of striatal dopamine D2/D3 receptor binding potential with pain but not tactile sensitivity or placebo analgesia. Neuroscience Letters, 2005, 376, 149-153.	1.0	57
52	Dose-related effects of memantine on a mismatch negativity-like response in anesthetized rats. Neuroscience, 2010, 167, 1175-1182.	1.1	56
53	Neurotransmitters behind pain relief with transcranial magnetic stimulation â€“ positron emission tomography evidence for release of endogenous opioids. European Journal of Pain, 2017, 21, 1505-1515.	1.4	56
54	Weight bearing of the limb as a confounding factor in assessment of mechanical allodynia in the rat. Pain, 1998, 74, 55-59.	2.0	55

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55	Roles of the rostroventromedial medulla and the spinal 5-HT1A receptor in descending antinociception induced by motor cortex stimulation in the neuropathic rat. Neuroscience Letters, 2010, 476, 133-137.	1.0	55
56	Spinal and pontine Î±2-adrenoceptors have opposite effects on pain-related behavior in the neuropathic rat. European Journal of Pharmacology, 2006, 551, 41-49.	1.7	54
57	Plasticity in descending pain modulatory systems. Progress in Brain Research, 2000, 129, 231-242.	0.9	53
58	Exploration of supraspinal mechanisms in effects of spinal cord stimulation: Role of the locus coeruleus. Neuroscience, 2013, 253, 426-434.	1.1	52
59	Pronociceptive changes in response properties of rostroventromedial medullary neurons in a rat model of peripheral neuropathy. European Journal of Neuroscience, 2007, 26, 2188-2195.	1.2	51
60	Spinal versus brain microglial and macrophage activation traits determine the differential neuroinflammatory responses and analgesic effect of minocycline in chronic neuropathic pain. Brain, Behavior, and Immunity, 2016, 58, 107-117.	2.0	51
61	Dissociation of the Î± 2-adrenergic antinociception from sedation following microinjection of medetomidine into the locus coeruleus in rats. Pain, 1994, 57, 207-215.	2.0	50
62	Transient Receptor Potential Ankyrin 1 Ion Channel Contributes to Guarding Pain and Mechanical Hypersensitivity in a Rat Model of Postoperative Pain. Anesthesiology, 2012, 117, 137-148.	1.3	48
63	An attempt to attenuate experimental pain in humans by dextromethorphan, an NMDA receptor antagonist. Pharmacology Biochemistry and Behavior, 1995, 52, 641-644.	1.3	47
64	Modification of human pain threshold by specific tactile receptors. Acta Physiologica Scandinavica, 1979, 107, 339-341.	2.3	45
65	Descending modulation of neuropathic hypersensitivity by dopamine D2 receptors in or adjacent to the hypothalamic A11 cell group. Pharmacological Research, 2009, 59, 355-363.	3.1	45
66	Influence of amygdaloid glutamatergic receptors on sensory and emotional pain-related behavior in the neuropathic rat. Behavioural Brain Research, 2010, 209, 174-178.	1.2	45
67	Influence of Various Experimental Parameters on the Incidence of Thermal and Mechanical Hyperalgesia Induced by a Constriction Mononeuropathy of the Sciatic Nerve in Lightly Anesthetized Rats. Experimental Neurology, 1994, 128, 143-154.	2.0	44
68	The rostroventromedial medulla is engaged in the effects of spinal cord stimulation in a rodent model of neuropathic pain. Neuroscience, 2013, 247, 134-144.	1.1	44
69	Dopaminergic and serotonergic mechanisms in the modulation of pain: In vivo studies in human brain. European Journal of Pharmacology, 2018, 834, 337-345.	1.7	44
70	5-HT1A receptors in endogenous regulation of neuropathic hypersensitivity in the rat. European Journal of Pharmacology, 2006, 535, 157-165.	1.7	43
71	Pain-related behavior following REM sleep deprivation in the rat: Influence of peripheral nerve injury, spinal glutamatergic receptors and nitric oxide. Brain Research, 2007, 1148, 105-112.	1.1	43
72	Î±2AAdrenoceptors Contribute to Feedback Inhibition of Capsaicin-induced Hyperalgesia. Anesthesiology, 2004, 101, 185-190.	1.3	42

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73	Increasing top-down suppression from prefrontal cortex facilitates tactile working memory. NeuroImage, 2010, 49, 1091-1098.	2.1	42
74	MK-801, an NMDA receptor antagonist, in the rostroventromedial medulla attenuates development of neuropathic symptoms in the rat. NeuroReport, 1999, 10, 2933-2937.	0.6	40
75	Dental analgesia produced by non-painful low-frequency stimulation is not influenced by stress or reversed by naloxone. Pain, 1982, 13, 379-384.	2.0	39
76	Peripheral effects of morphine in neuropathic rats: role of sympathetic postganglionic nerve fibers. European Journal of Pharmacology, 2001, 429, 139-145.	1.7	39
77	The role of the dopamine D2 receptor in descending control of pain induced by motor cortex stimulation in the neuropathic rat. Brain Research Bulletin, 2012, 89, 133-143.	1.4	38
78	Spinal nerve ligation-induced neuropathy in the rat: sensory disorders and correlation between histology of the peripheral nerves. Pain, 1999, 80, 161-170.	2.0	37
79	Correlation of human cold pressor pain responses with 5-HT1A receptor binding in the brain. Brain Research, 2007, 1172, 21-31.	1.1	37
80	Amitriptyline reverses hyperalgesia and improves associated mood-like disorders in a model of experimental monoarthritis. Behavioural Brain Research, 2014, 265, 12-21.	1.2	37
81	Late effects of early binocular visual deprivation on the function of Brodmann's area 7 of monkeys (Macaca arctoides). Developmental Brain Research, 1987, 33, 101-111.	2.1	36
82	The Mechanical Antihyperalgesic Effect of Intrathecally Administered MPV-2426, a Novel Î±2-Adrenoceptor Agonist, in a Rat Model of Postoperative Pain. Anesthesiology, 2000, 92, 1740-1745.	1.3	36
83	A dissociative change in the efficacy of supraspinal versus spinal morphine in the neuropathic rat. Pain, 2003, 101, 237-250.	2.0	35
84	Enhanced pronociception by amygdaloid group I metabotropic glutamate receptors in nerve-injured animals. Experimental Neurology, 2009, 216, 66-74.	2.0	35
85	Carrageenan-induced changes in spinal nociception and its modulation by the brain stem. NeuroReport, 1998, 9, 351-355.	0.6	34
86	Oxidative Stress in the Amygdala Contributes to Neuropathic Pain. Neuroscience, 2018, 387, 92-103.	1.1	34
87	Modulation of skin sensitivity by dynamic and isometric exercise in man. European Journal of Applied Physiology and Occupational Physiology, 1991, 62, 279-285.	1.2	32
88	Spatial integration of cold pressor pain sensation in humans. Neuroscience Letters, 2004, 361, 140-143.	1.0	32
89	Dual influence of the striatum on neuropathic hypersensitivity. Pain, 2008, 137, 50-59.	2.0	32
90	Lowered cutaneous sensitivity to nonpainful electrical stimulation during isometric exercise in humans. Experimental Brain Research, 1992, 89, 447-52.	0.7	31

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91	Intrathecal administration of a gap junction decoupler, an inhibitor of Na+â€“K+â€“2Clâ^' cotransporter 1, or a GABAA receptor agonist attenuates mechanical pain hypersensitivity induced by REM sleep deprivation in the rat. Pharmacology Biochemistry and Behavior, 2010, 97, 377-383.	1.3	31
92	Corticotropin-Releasing Factor in the Rat Amygdala Differentially Influences Sensory-Discriminative and Emotional-like Pain Response in Peripheral Neuropathy. Journal of Pain, 2010, 11, 1461-1471.	0.7	31
93	TRPA1 ion channel in the spinal dorsal horn as a therapeutic target in central pain hypersensitivity and cutaneous neurogenic inflammation. European Journal of Pharmacology, 2011, 666, 1-4.	1.7	31
94	Elevation of dental pain threshold induced in man by physical exercise is not reversed by cyproheptadine-mediated suppression of growth hormone release. Neuroscience Letters, 1986, 70, 388-392.	1.0	30
95	Role of spinal 5-HT receptors in cutaneous hypersensitivity induced by REM sleep deprivation. Pharmacological Research, 2008, 57, 469-475.	3.1	30
96	Antinociception by motor cortex stimulation in the neuropathic rat: does the locus coeruleus play a role?. Experimental Brain Research, 2010, 201, 283-296.	0.7	30
97	Influence of arthritis on descending modulation of nociception from the paraventricular nucleus of the hypothalamus. Brain Research, 2008, 1197, 63-75.	1.1	29
98	Navigated transcranial magnetic stimulation of the primary somatosensory cortex impairs perceptual processing of tactile temporal discrimination. Neuroscience Letters, 2008, 437, 144-147.	1.0	29
99	Spinal TRPA1 ion channels contribute to cutaneous neurogenic inflammation in the rat. Neuroscience Letters, 2010, 479, 253-256.	1.0	29
100	Striatal Î¼-opioid receptor availability predicts cold pressor pain threshold in healthy human subjects. Neuroscience Letters, 2012, 521, 11-14.	1.0	29
101	Bidirectional amygdaloid control of neuropathic hypersensitivity mediated by descending serotonergic pathways acting on spinal 5-HT3 and 5-HT1A receptors. Behavioural Brain Research, 2015, 282, 14-24.	1.2	29
102	Pain and depression comorbidity causes asymmetric plasticity in the locus coeruleus neurons. Brain, 2022, 145, 154-167.	3.7	29
103	Two separate components of pain produced by the submaximal effort tourniquet test. Pain, 1984, 20, 53-58.	2.0	28
104	Collateral sprouting of nociceptive C-fibers after cut or capsaicin treatment of the sciatic nerve in adult rats. Neuroscience Letters, 1988, 90, 248-253.	1.0	28
105	Attenuation of Ascending Nociceptive Signals to the Rostroventromedial Medulla Induced by a Novel Î±2-Adrenoceptor Agonist, MPV-2426, following Intrathecal Application in Neuropathic Rats. Anesthesiology, 2000, 92, 1082-1092.	1.3	28
106	The role of Î¼-opioid receptors in inflammatory hyperalgesia and Î±2-adrenoceptor-mediated antihyperalgesia. Neuroscience, 2002, 113, 339-349.	1.1	28
107	Regulation of neuropathic pain behavior by amygdaloid TRPC4/C5 channels. Neuroscience Letters, 2015, 608, 12-17.	1.0	28
108	The antinociceptive action of an Î±2-adrenoceptor agonist in the spinal dorsal horn is due to a direct spinal action and not to activation of Descending Inhibition. Brain Research Bulletin, 1995, 37, 581-587.	1.4	26

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109	Influence of the dopamine D2 receptor knockout on pain-related behavior in the mouse. Brain Research, 2005, 1052, 82-87.	1.1	26
110	Prolactin-releasing peptide affects pain, allodynia and autonomic reflexes through medullary mechanisms. Neuropharmacology, 2004, 46, 412-424.	2.0	25
111	Histamine in the locus coeruleus promotes descending noradrenergic inhibition of neuropathic hypersensitivity. Pharmacological Research, 2014, 90, 58-66.	3.1	25
112	Influence of selective Î±2-adrenergic agents on mustard oil-induced central hyperalgesia in rats. European Journal of Pharmacology, 1995, 281, 43-48.	1.7	24
113	The Î±2A-adrenoceptor subtype is not involved in inflammatory hyperalgesia or morphine-induced antinociception. European Journal of Pharmacology, 2003, 468, 183-189.	1.7	24
114	Spinal D-amino acid oxidase contributes to mechanical pain hypersensitivity induced by sleep deprivation in the rat. Pharmacology Biochemistry and Behavior, 2013, 111, 30-36.	1.3	24
115	Dissociated modulation of conditioned place-preference and mechanical hypersensitivity by a TRPA1 channel antagonist in peripheral neuropathy. Pharmacology Biochemistry and Behavior, 2013, 104, 90-96.	1.3	24
116	The influence of naloxone on dental pain threshold elevation produced by peripheral conditioning stimulation at high frequency. Brain Research, 1981, 215, 426-429.	1.1	23
117	Vertical and horizontal coding of space in the monkey dorsolateral prefrontal cortex. Brain Research, 1990, 527, 145-149.	1.1	23
118	Effects of different sensory and behavioral manipulations on autotomy caused by a sciatic lesion in rats. Experimental Neurology, 1991, 111, 128-130.	2.0	23
119	Comparison of the Visceral Antinociceptive Effects of Spinally Administered MPV-2426 (Fadolmidine) and Clonidine in the Rat. Anesthesiology, 2003, 98, 189-194.	1.3	23
120	Antinociceptive Properties of Fadolmidine (MPVâ€2426), a Novel Î±2â€Adrenoceptor Agonist. CNS Neuroscience & Therapeutics, 2004, 10, 117-126.	4.0	23
121	Metabotropic glutamate 5 receptor in the infralimbic cortex contributes to descending pain facilitation in healthy and arthritic animals. Neuroscience, 2016, 312, 108-119.	1.1	22
122	Minocycline reduces mechanical allodynia and depressive-like behaviour in type-1 diabetes mellitus in the rat. Behavioural Brain Research, 2017, 327, 1-10.	1.2	22
123	Anxietyâ€•and activityâ€•related effects of paracetamol on healthy and neuropathic rats. Pharmacology Research and Perspectives, 2018, 6, e00367.	1.1	22
124	The effect of systemic cocaine on spinal nociceptive reflex activity in the rat. Brain Research, 1988, 438, 286-290.	1.1	21
125	Enhancement of Morphineâ€‰Induced Analgesia and Attenuation of Morphineâ€‰Induced Sideâ€Effects by Cocaine in Rats. Basic and Clinical Pharmacology and Toxicology, 1992, 71, 173-178.	0.0	21
126	A selective suppression of human pain sensitivity by carbon dioxide: central mechanisms implicated. European Journal of Applied Physiology and Occupational Physiology, 1994, 68, 74-79.	1.2	21

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127	Spinal Potentiation and Supraspinal Additivity in the Antinociceptive Interaction Between Systemically Administered ??2-Adrenoceptor Agonist and Cocaine in the Rat. Anesthesia and Analgesia, 1994, 79, 261???266.	1.1	21
128	Modulation of visceral nociceptive responses of rat spinal dorsal horn neurons by sympathectomy. NeuroReport, 2001, 12, 797-801.	0.6	20
129	RFamide-related peptides signal through the neuropeptide FF receptor and regulate pain-related responses in the rat. Neuroscience, 2005, 134, 1023-1032.	1.1	20
130	Two-point tactile discrimination ability is influenced by temporal features of stimulation. Experimental Brain Research, 2014, 232, 2179-2185.	0.7	20
131	Descending antinociception induced by secondary somatosensory cortex stimulation in experimental neuropathy: role of the medullospinal serotonergic pathway. Journal of Neurophysiology, 2017, 117, 1200-1214.	0.9	20
132	Peripheral Suppression of Arthritic Pain by Intraarticular Fadolmidine, an Î±2-Adrenoceptor Agonist, in the Rat. Anesthesia and Analgesia, 2007, 105, 245-250.	1.1	19
133	Effect of tourniquet-induced ischemia on cutaneous thermal thresholds. Acta Neurologica Scandinavica, 1986, 74, 383-386.	1.0	19
134	Response properties of nociceptive neurons in the caudal ventrolateral medulla (CVLM) in monoarthritic and healthy control rats: Modulation of responses by the paraventricular nucleus of the hypothalamus (PVN). Brain Research Bulletin, 2011, 86, 82-90.	1.4	19
135	Altered control of submaximal bite force during bruxism in humans. European Journal of Applied Physiology, 1999, 79, 325-330.	1.2	18
136	Transient receptor potential ankyrin 1 (TRPA1) ion channel in the pathophysiology of peripheral diabetic neuropathy. Scandinavian Journal of Pain, 2013, 4, 129-136.	0.5	18
137	Potential role of spinal TRPA1 channels in antinociceptive tolerance to spinally administered morphine. Pharmacological Reports, 2016, 68, 472-475.	1.5	18
138	The effect of systemic cocaine on the responses to noxious stimuli and spontaneous activity of medial bulboreticular projection neurons. Brain Research, 1990, 527, 204-212.	1.1	17
139	Attempted reversal of cocaine-induced antinociceptive effects with naloxone, an opioid antagonist. European Journal of Pharmacology, 1991, 192, 349-353.	1.7	17
140	Inhibitors of catecholâ€Oâ€methyltransferase sensitize mice to pain. British Journal of Pharmacology, 2010, 161, 1553-1565.	2.7	17
141	The role of Î±2-adrenoceptors of the medullary lateral reticular nucleus in spinal antinociception in rats. Brain Research Bulletin, 1995, 37, 633-638.	1.4	16
142	Influence of selective nerve fiber blocks on argon laser-induced thermal pain in the human skin. Neuroscience Letters, 1996, 211, 143-145.	1.0	16
143	Neural Substrate for Metacognitive Accuracy of Tactile Working Memory. Cerebral Cortex, 2017, 27, 5343-5352.	1.6	16
144	Effect of subcutaneous formalin treatment on responses to bulboreticular nociceptive neurons in the rat. Brain Research Bulletin, 1989, 23, 457-462.	1.4	15

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145	The rostroventromedial medulla is not involved in Î±2-adrenoceptor-mediated antinociception in the rat. Neuropharmacology, 1993, 32, 1411-1418.	2.0	15
146	Spinal histamine in attenuation of mechanical hypersensitivity in the spinal nerve ligation-induced model of experimental neuropathy. European Journal of Pharmacology, 2016, 772, 1-10.	1.7	15
147	Cocaine: effect on spinal projection neurons in the rat. Brain Research Bulletin, 1990, 25, 1-6.	1.4	14
148	Peripherally Administered alpha2-Adrenoceptor Agonist in the Modulation of Chronic Allodynia Induced by Spinal Nerve Ligation in the Rat. Anesthesia and Analgesia, 1997, 85, 1122-1127.	1.1	14
149	Influence of Preemptive Treatment with MK-801, an N-methyl-D-aspartate Receptor Antagonist, on Development of Neuropathic Symptoms Induced by Spinal Nerve Ligation in the RatÂ. Anesthesiology, 1999, 91, 313-316.	1.3	14
150	Localization of touch versus heat pain in the human hand: A dissociative effect of temporal parameters on discriminative capacity and decision strategy. Pain, 2006, 121, 6-13.	2.0	14
151	Pronociception from the dorsomedial nucleus of the hypothalamus is mediated by the rostral ventromedial medulla in healthy controls but is absent in arthritic animals. Brain Research Bulletin, 2013, 99, 100-108.	1.4	14
152	Thalamus: The â€˜promoterâ€™ of endogenous modulation of pain and potential therapeutic target in pathological pain. Neuroscience and Biobehavioral Reviews, 2022, 139, 104745.	2.9	14
153	Response characteristics of tooth pulp-driven postsynaptic neurons in the spinal trigeminal subnucleus interpolaris of the cat: comparison with primary afferent fiber, subnucleus caudalis, reflex, and sensory responses. Brain Research, 1987, 422, 205-217.	1.1	13
154	Eye Contact as a Trigger of Male Sexual Arousal in Stump-Tailed Macaques (Macaca arctoides). Folia Primatologica, 1993, 60, 181-184.	0.3	13
155	Modulation of pain by [1DMe]NPYF, a stable analogue of neuropeptide FF, in neuropathic rats. Brain Research, 2001, 900, 234-243.	1.1	13
156	Regulation of Neuropathic Hypersensitivity by Î±₂â€Adrenoceptors in the Pontine <scp>A</scp>7 Cell Group. Basic and Clinical Pharmacology and Toxicology, 2013, 112, 90-95.	1.2	13
157	The analgesic effect of therapeutic rTMS is not mediated or predicted by comorbid psychiatric or sleep disorders. Medicine (United States), 2016, 95, e5231.	0.4	13
158	Antinociception in bulboreticular neurons of the rat produced by spinally administered medetomidine, an Î±2-adrenoceptor agonist. European Journal of Pharmacology, 1991, 204, 9-14.	1.7	12
159	The Effect of a Selective Î±2-Adrenoceptor Antagonist on Pain Behavior of the Rat Varies, Depending on Experimental Parameters. Pharmacology Biochemistry and Behavior, 1998, 59, 477-485.	1.3	12
160	Spatial discrimination of one versus two test stimuli in the human skin: dissociation of mechanisms depending on the task and the modality of stimulation. Neuroscience Letters, 2002, 328, 322-324.	1.0	12
161	Facilitation of tactile working memory by top-down suppression from prefrontal to primary somatosensory cortex during sensory interference. Behavioural Brain Research, 2011, 219, 387-390.	1.2	12
162	Galanin-Mediated Behavioural Hyperalgesia from the Dorsomedial Nucleus of the Hypothalamus Involves Two Independent Descending Pronociceptive Pathways. PLoS ONE, 2015, 10, e0142919.	1.1	12

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163	A Segregated Neural Pathway for Prefrontal Top-Down Control of Tactile Discrimination. Cerebral Cortex, 2015, 25, 161-166.	1.6	12
164	Tooth pulp-evoked jaw-opening reflex in the cat: Evidence for central facilitation induced by noxious discharge in the intradental nerve fibers. Experimental Neurology, 1986, 92, 207-219.	2.0	11
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