You Wan

List of Publications by Year
in descending order

119 papers	4,825 citations	71102 41 h-index	114465 63 g-index
121 all docs	121 docs citations	121 times ranked	5302 citing authors

#	Article	IF	Citations
1	Heritability of nociception. III. Genetic relationships among commonly used assays of nociception and hypersensitivity. Pain, 2002, 97, 75-86.	4.2	175
2	Urine formaldehyde level is inversely correlated to mini mental state examination scores in senile dementia. Neurobiology of Aging, 2011, 32, 31-41.	3.1	172
3	The Role of TRPV1 in Different Subtypes of Dorsal Root Ganglion Neurons in Rat Chronic Inflammatory Nociception Induced by Complete Freund's Adjuvant. Molecular Pain, 2008, 4, 1744-8069-4-61.	2.1	159
4	Role of the spinal cord NR2B-containing NMDA receptors in the development of neuropathic pain. Experimental Neurology, 2009, 215, 298-307.	4.1	146
5	Endomorphin-1 mediates 2 Hz but not 100 Hz electroacupuncture analgesia in the rat. Neuroscience Letters, 1999, 274, 75-78.	2.1	137
6	Contribution of the spinal cord BDNF to the development of neuropathic pain by activation of the NR2B-containing NMDA receptors in rats with spinal nerve ligation. Experimental Neurology, 2010, 222, 256-266.	4.1	133
7	CCL2 and CXCL1 trigger calcitonin gene-related peptide release by exciting primary nociceptive neurons. Journal of Neuroscience Research, 2005, 82, 51-62.	2.9	127
8	Long-term synaptic plasticity in the spinal dorsal horn and its modulation by electroacupuncture in rats with neuropathic pain. Experimental Neurology, 2007, 208, 323-332.	4.1	111
9	Suppression of KCNQ/M (Kv7) potassium channels in dorsal root ganglion neurons contributes to the development of bone cancer pain in a rat model. Pain, 2013, 154, 434-448.	4.2	108
10	Change of vanilloid receptor 1 expression in dorsal root ganglion and spinal dorsal horn during inflammatory nociception induced by complete Freundâ€™s adjuvant in rats. NeuroReport, 2004, 15, 655-658.	1.2	106
11	Adult Hippocampal Neurogenesis along the Dorsoventral Axis Contributes Differentially to Environmental Enrichment Combined with Voluntary Exercise in Alleviating Chronic Inflammatory Pain in Mice. Journal of Neuroscience, 2017, 37, 4145-4157.	3.6	103
12	Tumor Tissue-Derived Formaldehyde and Acidic Microenvironment Synergistically Induce Bone Cancer Pain. PLoS ONE, 2010, 5, e10234.	2.5	102
13	Hyperpolarization-activated, cyclic nucleotide-gated cation channels: Roles in the differential electrophysiological properties of rat primary afferent neurons. Journal of Neuroscience Research, 2004, 76, 713-722.	2.9	100
14	Axonal accumulation of hyperpolarization-activated cyclic nucleotide-gated cation channels contributes to mechanical allodynia after peripheral nerve injury in rat. Pain, 2008, 137, 495-506.	4.2	100
15	Interneuron Accumulation of Phosphorylated tau Impairs Adult Hippocampal Neurogenesis by Suppressing GABAergic Transmission. Cell Stem Cell, 2020, 26, 331-345.e6.	11.1	92
16	Characteristics of electroacupuncture-induced analgesia in mice: variation with strain, frequency, intensity and opioid involvement. Brain Research, 2002, 945, 20-25.	2.2	91
17	Activation of satellite glial cells in lumbar dorsal root ganglia contributes to neuropathic pain after spinal nerve ligation. Brain Research, 2012, 1427, 65-77.	2.2	87
18	Aging-associated excess formaldehyde leads to spatial memory deficits. Scientific Reports, 2013, 3, 1807.	3.3	87

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19	Spatial and Social Media Data Analytics of Housing Prices in Shenzhen, China. PLoS ONE, 2016, 11, e0164553.	2.5	71
20	Characteristics of HCN Channels and Their Participation in Neuropathic Pain. Neurochemical Research, 2008, 33, 1979-1989.	3.3	70
21	Ectopic discharges from injured nerve fibers are highly correlated with tactile allodynia only in early, but not late, stage in rats with spinal nerve ligation. Experimental Neurology, 2005, 191, 128-136.	4.1	66
22	Attenuation of mechanical but not thermal hyperalgesia by electroacupuncture with the involvement of opioids in rat model of chronic inflammatory pain. Brain Research Bulletin, 2004, 63, 99-103.	3.0	65
23	Sensitization of neurons in the central nucleus of the amygdala via the decreased GABAergic inhibition contributes to the development of neuropathic pain-related anxiety-like behaviors in rats. Molecular Brain, 2014, 7, 72.	2.6	62
24	Chronic stress exacerbates neuropathic pain via the integration of stress-affectâ€“related information with nociceptive information in the central nucleus of the amygdala. Pain, 2017, 158, 717-739.	4.2	61
25	Enhanced Excitability of Small Dorsal Root Ganglion Neurons in Rats with Bone Cancer Pain. Molecular Pain, 2012, 8, 1744-8069-8-24.	2.1	58
26	Anterior Cingulate Cortex is Crucial for Contra- but Not Ipsi-Lateral Electro-Acupuncture in the Formalin-Induced Inflammatory Pain Model of Rats. Molecular Pain, 2011, 7, 1744-8069-7-61.	2.1	56
27	Inhibition of hyperpolarization-activated current by ZD7288 suppresses ectopic discharges of injured dorsal root ganglion neurons in a rat model of neuropathic pain. Brain Research, 2005, 1032, 63-69.	2.2	54
28	Ketamine potentiates the effect of electroacupuncture on mechanical allodynia in a rat model of neuropathic pain. Neuroscience Letters, 2004, 368, 327-331.	2.1	53
29	Enhanced function of <scp>TRPV1</scp> via upâ€regulation by insulinâ€like growth factorâ€1 in a rat model of bone cancer pain. European Journal of Pain, 2014, 18, 774-784.	2.8	52
30	The effect of genotype on sensitivity to electroacupuncture analgesia. Pain, 2001, 91, 5-13.	4.2	50
31	Agingâ€associated formaldehydeâ€induced norepinephrine deficiency contributes to ageâ€related memory decline. Aging Cell, 2015, 14, 659-668.	6.7	50
32	BDNF contributes to the development of neuropathic pain by induction of spinal long-term potentiation via SHP2 associated GluN2B-containing NMDA receptors activation in rats with spinal nerve ligation. Neurobiology of Disease, 2015, 73, 428-451.	4.4	50
33	Formaldehyde up-regulates TRPV1 through MAPK and PI3K signaling pathways in a rat model of bone cancer pain. Neuroscience Bulletin, 2012, 28, 165-172.	2.9	49
34	Roles of 5-Hydroxytryptamine (5-HT) Receptor Subtypes in the Inhibitory Effects of 5-HT on C-Fiber Responses of Spinal Wide Dynamic Range Neurons in Rats. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 1046-1053.	2.5	47
35	Spatiotemporally Controlled Co-delivery of Anti-vasculature Agent and Cytotoxic Drug by Octreotide-Modified Stealth Liposomes. Pharmaceutical Research, 2012, 29, 2902-2911.	3.5	47
36	CCKB receptor antagonist L365,260 potentiates the efficacy to and reverses chronic tolerance to electroacupuncture-induced analgesia in mice. Brain Research Bulletin, 2007, 71, 447-451.	3.0	45

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37	Upregulation of P2X3 receptors by neuronal calcium sensor protein VILIP-1 in dorsal root ganglions contributes to the bone cancer pain in rats. Pain, 2013, 154, 1551-1568.	4.2	45
38	Ube2s regulates Sox2 stability and mouse ES cell maintenance. Cell Death and Differentiation, 2016, 23, 393-404.	11.2	45
39	Spontaneous Pain Disrupts Ventral Hippocampal CA1-Infralimbic Cortex Connectivity and Modulates Pain Progression in Rats with Peripheral Inflammation. Cell Reports, 2019, 29, 1579-1593.e6.	6.4	45
40	Changes of hypothalamic Î±-MSH and CART peptide expression in diet-induced obese rats. Peptides, 2004, 25, 2147-2153.	2.4	44
41	Basolateral Amygdala Lesion Inhibits the Development of Pain Chronicity in Neuropathic Pain Rats. PLoS ONE, 2013, 8, e70921.	2.5	44
42	Decrease in the descending inhibitory 5-HT system in rats with spinal nerve ligation. Brain Research, 2010, 1330, 45-60.	2.2	43
43	Inhibiting medial septal cholinergic neurons with DREADD alleviated anxiety-like behaviors in mice. Neuroscience Letters, 2017, 638, 139-144.	2.1	42
44	Role of Î±-amino-3-hydroxy-5-methyl-4-isoxazolepropionate (AMPA) receptor subunit GluR1 in spinal dorsal horn in inflammatory nociception and neuropathic nociception in rat. Brain Research, 2008, 1200, 19-26.	2.2	41
45	Suppression of neuropathic pain by peripheral electrical stimulation in rats: Î¼-opioid receptor and NMDA receptor implicated. Experimental Neurology, 2004, 187, 23-29.	4.1	39
46	Estimation of genuine and random synchronization in multivariate neural series. Neural Networks, 2010, 23, 698-704.	5.9	39
47	Shp-1 dephosphorylates TRPV1 in dorsal root ganglion neurons and alleviates CFA-induced inflammatory pain in rats. Pain, 2015, 156, 597-608.	4.2	39
48	Phaseâ€“amplitude coupling between theta and gamma oscillations during nociception in rat electroencephalography. Neuroscience Letters, 2011, 499, 84-87.	2.1	37
49	Reduced GABAergic transmission in the ventrobasal thalamus contributes to thermal hyperalgesia in chronic inflammatory pain. Scientific Reports, 2017, 7, 41439.	3.3	35
50	Neural pathways in medial septal cholinergic modulation of chronic pain: distinct contribution of the anterior cingulate cortex and ventral hippocampus. Pain, 2018, 159, 1550-1561.	4.2	35
51	Formaldehyde induces diabetesâ€associated cognitive impairments. FASEB Journal, 2018, 32, 3669-3679.	0.5	35
52	Peripheral Formalin Injection Induces Long-Lasting Increases in Cyclooxygenase 1 Expression by Microglia in the Spinal Cord. Journal of Pain, 2007, 8, 110-117.	1.4	34
53	Brain-derived neurotrophic factor in the infralimbic cortex alleviates inflammatory pain. Neuroscience Letters, 2017, 655, 7-13.	2.1	34
54	Efficacy of transcutaneous electrical acupoint stimulation combined with general anesthesia for sedation and postoperative analgesia in minimally invasive lung cancer surgery: A randomized, doubleâ€blind, placeboâ€controlled trial. Thoracic Cancer, 2020, 11, 928-934.	1.9	34

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55	Electroacupuncture Effects in a Rat Model of Complete Freundâ€™s Adjuvant-Induced Inflammatory Pain: Antinociceptive Effects Enhanced and Tolerance Development Accelerated. Neurochemical Research, 2008, 33, 2107-2111.	3.3	32
56	Potentiation of the P2X3 ATP receptor by PARâ€2 in rat dorsal root ganglia neurons, through protein kinaseâ€dependent mechanisms, contributes to inflammatory pain. European Journal of Neuroscience, 2012, 36, 2293-2301.	2.6	32
57	Functional Upregulation of Nav1.8 Sodium Channels on the Membrane of Dorsal Root Ganglia Neurons Contributes to the Development of Cancer-Induced Bone Pain. PLoS ONE, 2014, 9, e114623.	2.5	31
58	Hypersensitivity of Prelimbic Cortex Neurons Contributes to Aggravated Nociceptive Responses in Rats With Experience of Chronic Inflammatory Pain. Frontiers in Molecular Neuroscience, 2018, 11, 85.	2.9	31
59	Elevated Resting State Gamma Oscillatory Activities in Electroencephalogram of Patients With Post-herpetic Neuralgia. Frontiers in Neuroscience, 2018, 12, 750.	2.8	29
60	Ketamine enhances the efficacy to and delays the development of tolerance to electroacupuncture-induced antinociception in rats. Neuroscience Letters, 2005, 375, 138-142.	2.1	28
61	Involvement of ionotropic glutamate receptors in low frequency electroacupuncture analgesia in rats. Neuroscience Letters, 2005, 377, 185-188.	2.1	28
62	Anxiolytic effects of hippocampal neurosteroids in normal and neuropathic rats with spared nerve injury. Journal of Neurochemistry, 2017, 141, 137-150.	3.9	28
63	Increased expression of Ca_V3.2 T-type calcium channels in damaged DRG neurons contributes to neuropathic pain in rats with spared nerve injury. Molecular Pain, 2018, 14, 174480691876580.	2.1	28
64	Accumulation of Cav3.2 T-type Calcium Channels in the Uninjured Sural Nerve Contributes to Neuropathic Pain in Rats with Spared Nerve Injury. Frontiers in Molecular Neuroscience, 2018, 11, 24.	2.9	28
65	Lysine-Specific Demethylase 1 in Breast Cancer Cells Contributes to the Production of Endogenous Formaldehyde in the Metastatic Bone Cancer Pain Model of Rats. PLoS ONE, 2013, 8, e58957.	2.5	28
66	Adenovirus-mediated delivery of GDNF ameliorates corticospinal neuronal atrophy and motor function deficits in rats with spinal cord injury. NeuroReport, 2004, 15, 425-429.	1.2	27
67	Development of a CRISPR-SaCas9 system for projection- and function-specific gene editing in the rat brain. Science Advances, 2020, 6, eaay6687.	10.3	27
68	ACOMCD: A multiple cluster detection algorithm based on the spatial scan statistic and ant colony optimization. Computational Statistics and Data Analysis, 2012, 56, 283-296.	1.2	26
69	Decreased abundance of TRESK two-pore domain potassium channels in sensory neurons underlies the pain associated with bone metastasis. Science Signaling, 2018, 11, .	3.6	26
70	Elevated Neurosteroids in the Lateral Thalamus Relieve Neuropathic Pain in Rats with Spared Nerve Injury. Neuroscience Bulletin, 2016, 32, 311-322.	2.9	25
71	Upregulation of interleukin-6 on Cav3.2 T-type calcium channels in dorsal root ganglion neurons contributes to neuropathic pain in rats with spinal nerve ligation. Experimental Neurology, 2019, 317, 226-243.	4.1	25
72	Detecting arbitrarily shaped clusters using ant colony optimization. International Journal of Geographical Information Science, 2011, 25, 1575-1595.	4.8	24

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73	Enhanced Gamma Oscillatory Activity in Rats with Chronic Inflammatory Pain. Frontiers in Neuroscience, 2016, 10, 489.	2.8	24
74	Heteromerization of Î¼-opioid receptor and cholecystokinin B receptor through the third transmembrane domain of the Î¼-opioid receptor contributes to the anti-opioid effects of cholecystokinin octapeptide. Experimental and Molecular Medicine, 2018, 50, 1-16.	7.7	24
75	Maladaptive Plasticity and Neuropathic Pain. Neural Plasticity, 2016, 2016, 1-2.	2.2	23
76	Randomised Controlled Trial of Contralateral Manual Acupuncture for the Relief of Chronic Shoulder Pain. Acupuncture in Medicine, 2016, 34, 164-170.	1.0	23
77	Cholinergic neurons in medial septum maintain anxiety-like behaviors induced by chronic inflammatory pain. Neuroscience Letters, 2018, 671, 7-12.	2.1	20
78	Ventral Hippocampus Modulates Anxiety-Like Behavior in Male But Not Female C57BL/6â€¯J Mice. Neuroscience, 2019, 418, 50-58.	2.3	20
79	Upregulation of Cav3.2 T-type calcium channels in adjacent intact L4 dorsal root ganglion neurons in neuropathic pain rats with L5 spinal nerve ligation. Neuroscience Research, 2019, 142, 30-37.	1.9	19
80	Extracting Neural Oscillation Signatures of Laser-Induced Nociception in Pain-Related Regions in Rats. Frontiers in Neural Circuits, 2017, 11, 71.	2.8	18
81	Histidine Alleviates Impairments Induced by Chronic Cerebral Hypoperfusion in Mice. Frontiers in Physiology, 2018, 9, 662.	2.8	18
82	Electrophysiological properties of spinal wide dynamic range neurons in neuropathic pain rats following spinal nerve ligation. Neuroscience Bulletin, 2011, 27, 1-8.	2.9	17
83	Exacerbation of tonic but not phasic pain by entorhinal cortex lesions. Neuroscience Letters, 2014, 581, 137-142.	2.1	16
84	Contribution of AMPA Receptor-Mediated LTD in LA/BLA-CeA Pathway to Comorbid Aversive and Depressive Symptoms in Neuropathic Pain. Journal of Neuroscience, 2021, 41, 7278-7299.	3.6	16
85	Behavioral and Electrophysiological Evidence for the Differential Functions of TRPV1 at Early and Late Stages of Chronic Inflammatory Nociception in Rats. Neurochemical Research, 2008, 33, 2151-2158.	3.3	15
86	Activation of CRF/CRFR1 signaling in the basolateral nucleus of the amygdala contributes to chronic forced swim-induced depressive-like behaviors in rats. Behavioural Brain Research, 2018, 338, 134-142.	2.2	15
87	Nocistatin potentiates electroacupuncture antinociceptive effects and reverses chronic tolerance to electroacupuncture in mice. Neuroscience Letters, 2003, 350, 93-96.	2.1	13
88	Formaldehyde increases intracellular calcium concentration in primary cultured hippocampal neurons partly through NMDA receptors and T-type calcium channels. Neuroscience Bulletin, 2012, 28, 715-722.	2.9	12
89	Vesicular Glutamate Transporter-3 Contributes to Visceral Hyperalgesia Induced by Trichinella spiralis Infection in Rats. Digestive Diseases and Sciences, 2012, 57, 865-872.	2.3	12
90	Effect of transcutaneous acupoint electrical stimulation on propofol sedation: an electroencephalogram analysis of patients undergoing pituitary adenomas resection. BMC Complementary and Alternative Medicine, 2016, 16, 33.	3.7	12

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91	The induction of long-term potentiation in spinal dorsal horn after peripheral nociceptive stimulation and contribution of spinal TRPV1 in rats. Neuroscience, 2014, 269, 59-66.	2.3	11
92	Characterizing Heat-Sensitization Responses in Suspended Moxibustion with High-Density EEG. Pain Medicine, 2014, 15, 1272-1281.	1.9	11
93	A Novel 3D-Printed Multi-Drive System for Synchronous Electrophysiological Recording in Multiple Brain Regions. Frontiers in Neuroscience, 2019, 13, 1322.	2.8	11
94	New Mechanism of Bone Cancer Pain: Tumor Tissue-Derived Endogenous Formaldehyde Induced Bone Cancer Pain via TRPV1 Activation. Advances in Experimental Medicine and Biology, 2016, 904, 41-58.	1.6	11
95	A Context-Based Analgesia Model in Rats: Involvement of Prefrontal Cortex. Neuroscience Bulletin, 2018, 34, 1047-1057.	2.9	10
96	Involvement of hyperpolarization-activated, cyclic nucleotide-gated cation channels in dorsal root ganglion in neuropathic pain. Acta Physiologica Sinica, 2008, 60, 579-80.	0.5	9
97	OFQ reverses the Î¹-opioid receptor-mediated depression of calcium current in rat dorsal root ganglion neurons. NeuroReport, 1998, 9, 2095-2098.	1.2	8
98	Modulation of Brain Electroencephalography Oscillations by Electroacupuncture in a Rat Model of Postincisional Pain. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-11.	1.2	8
99	CODEM: A Novel Spatial Co-location and De-location Patterns Mining Algorithm. , 2008, , .		7
100	Adenovirus-mediated GDNF protects cultured motoneurons from glutamate injury. NeuroReport, 2001, 12, 3073-3076.	1.2	6
101	Cell-Based Outlier Detection Algorithm: A Fast Outlier Detection Algorithm for Large Datasets. , 2008, , 1042-1048.		6
102	The Gamma Frequency Band Neural Oscillation: Generation Mechanisms and Functions*. Progress in Biochemistry and Biophysics, 2011, 38, 688-693.	0.3	6
103	Comparison of Electroacupuncture in Restrained and Unrestrained Rat Models. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-5.	1.2	5
104	Anterior cingulate cortex modulates the affectiveâ€motivative dimension of hyperosmolalityâ€induced thirst. Journal of Physiology, 2019, 597, 4851-4860.	2.9	5
105	The Neuroscience Research Institute at Peking University: A Place for the Solution of Pain and Drug Abuse. Cellular and Molecular Neurobiology, 2008, 28, 13-19.	3.3	4
106	Cortical activities of heat-sensitization responses in suspended moxibustion: an EEG source analysis with sLORETA. Cognitive Neurodynamics, 2015, 9, 581-588.	4.0	4
107	Mapping the Information Trace in Local Field Potentials by a Computational Method of Two-Dimensional Time-Shifting Synchronization Likelihood Based on Graphic Processing Unit Acceleration. Neuroscience Bulletin, 2017, 33, 653-663.	2.9	4
108	GDNF cDNA-engineered NIH 3T3 cells protect primary dopaminergic neurons. Science Bulletin, 1997, 42, 1921-1925.	1.7	3

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109	Hippocampal neurogenesis. Pain, 2016, 157, 506-507.	4.2	3
110	The Frontal Area with Higher Frequency Response Is the Principal Feature of Laser-Evoked Potentials in Rats with Chronic Inflammatory Pain: A Parallel Factor Analysis Study. Frontiers in Neurology, 2017, 8, 155.	2.4	3
111	Simultaneous Recordings of Cortical Local Field Potentials and Electrocorticograms in Response to Nociceptive Laser Stimuli from Freely Moving Rats. Journal of Visualized Experiments, 2019, , .	0.3	3
112	A Hybrid Titanium-Softmaterial, High-Strength, Transparent Cranial Window for Transcranial Injection and Neuroimaging. Biosensors, 2022, 12, 129.	4.7	3
113	Corrigendum to â€œLong-term synaptic plasticity in the spinal dorsal horn and its modulation by electroacupuncture in rats with neuropathic painâ€•[Exp. Neurol. 208(2007) 323â€“332]. Experimental Neurology, 2008, 210, 797.	4.1	2
114	Spontaneous pain as a challenge of research and management in chronic pain. Medical Review, 2022, 2, 308-319.	1.2	2
115	Electrophysiological Signature of Pain. Advances in Experimental Medicine and Biology, 2018, 1099, 167-177.	1.6	1
116	Use of In Vivo Single-fiber Recording and Intact Dorsal Root Ganglion with Attached Sciatic Nerve to Examine the Mechanism of Conduction Failure. Journal of Visualized Experiments, 2019, , .	0.3	1
117	Suppression of ventral hippocampal CA1 pyramidal neuronal activities enhances water intake. American Journal of Physiology - Cell Physiology, 2021, 321, C992-C999.	4.6	1
118	Conditional Genome Editing in the Mammalian Brain Using CRISPR-Cas9. Neuroscience Bulletin, 2021, 37, 423-426.	2.9	0
119	Conditional Gene Editing in Presynaptic Extinction-ensemble Cells via the CRISPR-SaCas9 System. Bio-protocol, 2021, 11, e4246.	0.4	0