Changyu Jiang

List of Publications by Year in descending order

49 papers	1,366 citations	304743 22 h-index	377865 34 g-index
57 all docs	57 docs citations	57 times ranked	1449 citing authors

#	Article	IF	Citations
1	Central Nervous System Targets: Glial Cell Mechanisms in Chronic Pain. Neurotherapeutics, 2020, 17, 846-860.	4.4	138
2	STING controls nociception via type I interferon signalling in sensory neurons. Nature, 2021, 591, 275-280.	27.8	107
3	miRNA-711 Binds and Activates TRPA1 Extracellularly to Evoke Acute and Chronic Pruritus. Neuron, 2018, 99, 449-463.e6.	8.1	79
4	Periostin Activation of Integrin Receptors on Sensory Neurons Induces Allergic Itch. Cell Reports, 2020, 31, 107472.	6.4	69
5	Enhancement by Interleukin-1Î² of AMPA and NMDA Receptor-Mediated Currents in Adult Rat Spinal Superficial Dorsal Horn Neurons. Molecular Pain, 2013, 9, 1744-8069-9-16.	2.1	59
6	Oxytocin Relieves Neuropathic Pain Through GABA Release and Presynaptic TRPV1 Inhibition in Spinal Cord. Frontiers in Molecular Neuroscience, 2018, 11, 248.	2.9	59
7	Antiâ€“PD-1 treatment impairs opioid antinociception in rodents and nonhuman primates. Science Translational Medicine, 2020, 12, .	12.4	54
8	HepaCAM controls astrocyte self-organization and coupling. Neuron, 2021, 109, 2427-2442.e10.	8.1	52
9	Dietary menthol-induced TRPM8 activation enhances WAT â€œbrowningâ€•and ameliorates diet-induced obesity. Oncotarget, 2017, 8, 75114-75126.	1.8	51
10	STING suppresses bone cancer pain via immune and neuronal modulation. Nature Communications, 2021, 12, 4558.	12.8	50
11	Central opioid receptors mediate morphine-induced itch and chronic itch via disinhibition. Brain, 2021, 144, 665-681.	7.6	45
12	Synaptic modulation and inward current produced by oxytocin in substantia gelatinosa neurons of adult rat spinal cord slices. Journal of Neurophysiology, 2014, 111, 991-1007.	1.8	39
13	Effect of resiniferatoxin on glutamatergic spontaneous excitatory synaptic transmission in substantia gelatinosa neurons of the adult rat spinal cord. Neuroscience, 2009, 164, 1833-1844.	2.3	31
14	TRPA1 activation by lidocaine in nerve terminals results in glutamate release increase. Biochemical and Biophysical Research Communications, 2009, 379, 980-984.	2.1	30
15	Nerve injury elevates functional Cav3.2 channels in superficial spinal dorsal horn. Molecular Pain, 2019, 15, 174480691983656.	2.1	30
16	A Transcriptomic Analysis of Neuropathic Pain in Rat Dorsal Root Ganglia Following Peripheral Nerve Injury. NeuroMolecular Medicine, 2020, 22, 250-263.	3.4	30
17	TRP Channels Involved in Spontaneous L-Glutamate Release Enhancement in the Adult Rat Spinal Substantia Gelatinosa. Cells, 2014, 3, 331-362.	4.1	29
18	Huachansu suppresses TRPV1 up-regulation and spinal astrocyte activation to prevent oxaliplatin-induced peripheral neuropathic pain in rats. Gene, 2019, 680, 43-50.	2.2	28

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19	Lysophospholipids Contribute to Oxaliplatin-Induced Acute Peripheral Pain. Journal of Neuroscience, 2020, 40, 9519-9532.	3.6	28
20	Oxidative stress induced by NOX2 contributes to neuropathic pain via plasma membrane translocation of PKCÎµ in rat dorsal root ganglion neurons. Journal of Neuroinflammation, 2021, 18, 106.	7.2	28
21	Zingerone enhances glutamatergic spontaneous excitatory transmission by activating TRPA1 but not TRPV1 channels in the adult rat substantia gelatinosa. Journal of Neurophysiology, 2013, 110, 658-671.	1.8	26
22	Action of thymol on spontaneous excitatory transmission in adult rat spinal substantia gelatinosa neurons. Neuroscience Letters, 2015, 606, 94-99.	2.1	25
23	The antiviral alkaloid berberine ameliorates neuropathic pain in rats with peripheral nerve injury. Acta Neurologica Belgica, 2020, 120, 557-564.	1.1	24
24	PD-1 Regulates GABAergic Neurotransmission and GABA-Mediated Analgesia and Anesthesia. IScience, 2020, 23, 101570.	4.1	23
25	TRPV1 agonist piperine but not olvanil enhances glutamatergic spontaneous excitatory transmission in rat spinal substantia gelatinosa neurons. Biochemical and Biophysical Research Communications, 2011, 410, 841-845.	2.1	21
26	Spontaneous l-glutamate release enhancement in rat substantia gelatinosa neurons by (â^')-carvone and (+)-carvone which activate different types of TRP channel. Biochemical and Biophysical Research Communications, 2015, 459, 498-503.	2.1	20
27	Gene expression changes of thermoâ€sensitive transient receptor potential channels in obese mice. Cell Biology International, 2017, 41, 908-913.	3.0	20
28	A Transcriptomic Analysis Reveals Novel Patterns of Gene Expression During 3T3-L1 Adipocyte Differentiation. Frontiers in Molecular Biosciences, 2020, 7, 564339.	3.5	20
29	1,8â€•and 1,4â€cineole enhance spontaneous excitatory transmission by activating different types of transient receptor potential channels in the rat spinal substantia gelatinosa. Journal of Neurochemistry, 2016, 136, 764-777.	3.9	17
30	Repurposing cancer drugs identifies kenpaullone which ameliorates pathologic pain in preclinical models via normalization of inhibitory neurotransmission. Nature Communications, 2021, 12, 6208.	12.8	16
31	Carvacrol presynaptically enhances spontaneous excitatory transmission and produces outward current in adult rat spinal substantia gelatinosa neurons. Brain Research, 2014, 1592, 44-54.	2.2	15
32	Cell-Type Specific Distribution of T-Type Calcium Currents in Lamina II Neurons of the Rat Spinal Cord. Frontiers in Cellular Neuroscience, 2018, 12, 370.	3.7	15
33	Spinal DN-9, a Peptidic Multifunctional Opioid/Neuropeptide FF Agonist Produced Potent Nontolerance Forming Analgesia With Limited Side Effects. Journal of Pain, 2020, 21, 477-493.	1.4	14
34	Contribution of presynaptic HCN channels to excitatory inputs of spinal substantia gelatinosa neurons. Neuroscience, 2017, 358, 146-157.	2.3	13
35	(â^')-menthol increases excitatory transmission by activating both TRPM8 and TRPA1 channels in mouse spinal lamina II layer. Biochemical and Biophysical Research Communications, 2019, 516, 825-830.	2.1	10
36	Abnormal Intrinsic Brain Activity and Neuroimaging-Based fMRI Classification in Patients With Herpes Zoster and Postherpetic Neuralgia. Frontiers in Neurology, 2020, 11, 532110.	2.4	10

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37	A Role for Protease Activated Receptor Type 3 (PAR3) in Nociception Demonstrated Through Development of a Novel Peptide Agonist. Journal of Pain, 2021, 22, 692-706.	1.4	7
38	Diagnostic Value of Serum Chitinase-3-Like Protein 1 for Liver Fibrosis: A Meta-analysis. BioMed Research International, 2022, 2022, 1-13.	1.9	7
39	Developmental change and sexual difference in synaptic modulation produced by oxytocin in rat substantia gelatinosa neurons. Biochemistry and Biophysics Reports, 2016, 7, 206-213.	1.3	5
40	Enhancement by citral of glutamatergic spontaneous excitatory transmission in adult rat substantia gelatinosa neurons. NeuroReport, 2016, 27, 166-171.	1.2	5
41	Selective activation of metabotropic glutamate receptor 7 blocks paclitaxel-induced acute neuropathic pain and suppresses spinal glial reactivity in rats. Psychopharmacology, 2021, 238, 107-119.	3.1	4
42	Identification and characterization of novel candidate compounds targeting 6â€•and 7â€transmembrane Î¼â€opioid receptor isoforms. British Journal of Pharmacology, 2021, 178, 2709-2726.	5.4	4
43	Oxytocin Elicits Itch Scratching Behavior via Spinal GRP/GRPR System. Frontiers in Neuroscience, 2020, 14, 581977.	2.8	2
44	Effects of B Vitamins Overload on Plasma Insulin Level and Hydrogen Peroxide Generation in Rats. Chinese Journal of Physiology, 2017, 60, 207-214.	1.0	2
45	Three-Day Continuous Oxytocin Infusion Attenuates Thermal and Mechanical Nociception by Rescuing Neuronal Chloride Homeostasis via Upregulation KCC2 Expression and Function. Frontiers in Pharmacology, 2022, 13, 845018.	3.5	1
46	Actions of oxytocin on rat spinal dorsal horn lamina II neurons - cellular mechanisms for antinociception. Pain Research, 2014, 29, 215-231.	0.1	0
47	Inhibition of frog sciatic nerve compound action potentials by aroma-oil compounds in a manner dependent on their chemical structures. Pain Research, 2015, 30, 16-29.	0.1	0
48	Effects of traditional Japanese medicine on compound action potentials of frog sciatic nerves . Pain Research, 2013, 28, 9-21.	0.1	0
49	The Periostin Activation of Integrin Receptors on Sensory Neurons Induces Allergic Itch. SSRN Electronic Journal, 0, , .	0.4	0