Zhen-zhong Xu

List of Publications by Year
in descending order

39 papers	6,713 citations	147801 31 h-index	302126 39 g-index
39 all docs	39 docs citations	39 times ranked	6740 citing authors

#	Article	IF	Citations
1	Emerging targets in neuroinflammation-driven chronic pain. Nature Reviews Drug Discovery, 2014, 13, 533-548.	46.4	754
2	Distinct roles of matrix metalloproteases in the early- and late-phase development of neuropathic pain. Nature Medicine, 2008, 14, 331-336.	30.7	658
3	Resolvins RvE1 and RvD1 attenuate inflammatory pain via central and peripheral actions. Nature Medicine, 2010, 16, 592-597.	30.7	503
4	JNK-Induced MCP-1 Production in Spinal Cord Astrocytes Contributes to Central Sensitization and Neuropathic Pain. Journal of Neuroscience, 2009, 29, 4096-4108.	3.6	497
5	Macrophage proresolving mediator maresin 1 stimulates tissue regeneration and controls pain. FASEB Journal, 2012, 26, 1755-1765.	0.5	401
6	Emerging roles of resolvins in the resolution of inflammation and pain. Trends in Neurosciences, 2011, 34, 599-609.	8.6	298
7	Inhibition of mechanical allodynia in neuropathic pain by TLR5-mediated A-fiber blockade. Nature Medicine, 2015, 21, 1326-1331.	30.7	272
8	Extracellular MicroRNAs Activate Nociceptor Neurons to Elicit Pain via TLR7 and TRPA1. Neuron, 2014, 82, 47-54.	8.1	250
9	Toll-like receptor 7 mediates pruritus. Nature Neuroscience, 2010, 13, 1460-1462.	14.8	217
10	Resolvin D2 Is a Potent Endogenous Inhibitor for Transient Receptor Potential Subtype V1/A1, Inflammatory Pain, and Spinal Cord Synaptic Plasticity in Mice: Distinct Roles of Resolvin D1, D2, and E1. Journal of Neuroscience, 2011, 31, 18433-18438.	3.6	210
11	Resolving TRPV1- and TNF-Î±-Mediated Spinal Cord Synaptic Plasticity and Inflammatory Pain with Neuroprotectin D1. Journal of Neuroscience, 2011, 31, 15072-15085.	3.6	207
12	TNF-alpha contributes to spinal cord synaptic plasticity and inflammatory pain: Distinct role of TNF receptor subtypes 1 and 2. Pain, 2011, 152, 419-427.	4.2	205
13	GPR37 regulates macrophage phagocytosis and resolution of inflammatory pain. Journal of Clinical Investigation, 2018, 128, 3568-3582.	8.2	183
14	Extracellular caspase-6 drives murine inflammatory pain via microglial TNF-Î± secretion. Journal of Clinical Investigation, 2014, 124, 1173-1186.	8.2	171
15	Activation of Delta Opioid Receptors Induces Receptor Insertion and Neuropeptide Secretion. Neuron, 2003, 37, 121-133.	8.1	158
16	Matrix metalloprotease regulation of neuropathic pain. Trends in Pharmacological Sciences, 2009, 30, 336-340.	8.7	151
17	Endogenous Tumor Necrosis Factor Î± (TNFÎ±) Requires TNF Receptor Type 2 to Generate Heat Hyperalgesia in a Mouse Cancer Model. Journal of Neuroscience, 2008, 28, 5072-5081.	3.6	144
18	TLR3 deficiency impairs spinal cord synaptic transmission, central sensitization, and pruritus in mice. Journal of Clinical Investigation, 2012, 122, 2195-2207.	8.2	143

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19	Interaction with Vesicle Luminal Protachykinin Regulates Surface Expression of Î´-Opioid Receptors and Opioid Analgesia. Cell, 2005, 122, 619-631.	28.9	139
20	The c-Jun N-terminal kinase 1 (JNK1) in spinal astrocytes is required for the maintenance of bilateral mechanical allodynia under a persistent inflammatory pain condition. Pain, 2010, 148, 309-319.	4.2	139
21	Nociceptive neurons regulate innate and adaptive immunity and neuropathic pain through MyD88 adapter. Cell Research, 2014, 24, 1374-1377.	12.0	125
22	Resolvin E1 Inhibits Neuropathic Pain and Spinal Cord Microglial Activation Following Peripheral Nerve Injury. Journal of NeuroImmune Pharmacology, 2013, 8, 37-41.	4.1	106
23	5,6-EET Is Released upon Neuronal Activity and Induces Mechanical Pain Hypersensitivity via TRPA1 on Central Afferent Terminals. Journal of Neuroscience, 2012, 32, 6364-6372.	3.6	103
24	Neuroprotectin/protectin D1 protects against neuropathic pain in mice after nerve trauma. Annals of Neurology, 2013, 74, 490-495.	5.3	102
25	Interleukin-17 Regulates Neuron-Glial Communications, Synaptic Transmission, and Neuropathic Pain after Chemotherapy. Cell Reports, 2019, 29, 2384-2397.e5.	6.4	87
26	Acute Morphine Activates Satellite Glial Cells and Up-Regulates IL-1Î² in Dorsal Root Ganglia in Mice via Matrix Metalloprotease-9. Molecular Pain, 2012, 8, 1744-8069-8-18.	2.1	77
27	Distinct Analgesic Actions of DHA and DHA-Derived Specialized Pro-Resolving Mediators on Post-operative Pain After Bone Fracture in Mice. Frontiers in Pharmacology, 2018, 9, 412.	3.5	68
28	Selective inhibition of JNK with a peptide inhibitor attenuates pain hypersensitivity and tumor growth in a mouse skin cancer pain model. Experimental Neurology, 2009, 219, 146-155.	4.1	58
29	Interferon alpha inhibits spinal cord synaptic and nociceptive transmission via neuronal-glial interactions. Scientific Reports, 2016, 6, 34356.	3.3	50
30	Resolvins are potent analgesics for arthritic pain. British Journal of Pharmacology, 2011, 164, 274-277.	5.4	49
31	Î²-arrestin-2 regulates NMDA receptor function in spinal lamina II neurons and duration of persistent pain. Nature Communications, 2016, 7, 12531.	12.8	49
32	GPR151 in nociceptors modulates neuropathic pain via regulating P2X3 function and microglial activation. Brain, 2021, 144, 3405-3420.	7.6	34
33	Is Optogenetic Activation of Vglut1-Positive AÎ² Low-Threshold Mechanoreceptors Sufficient to Induce Tactile Allodynia in Mice after Nerve Injury?. Journal of Neuroscience, 2019, 39, 6202-6215.	3.6	28
34	GPR177 in A-fiber sensory neurons drives diabetic neuropathic pain via WNT-mediated TRPV1 activation. Science Translational Medicine, 2022, 14, eabh2557.	12.4	26
35	Development of a Membrane-anchored Chemerin Receptor Agonist as a Novel Modulator of Allergic Airway Inflammation and Neuropathic Pain. Journal of Biological Chemistry, 2014, 289, 13385-13396.	3.4	24
36	Basal forebrain mediates prosocial behavior via disinhibition of midbrain dopamine neurons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10

#	Article	IF	Citations
37	Rational Design of a Modalityâ€Specific Inhibitor of TRPM8 Channel against Oxaliplatinâ€Induced Cold Allodynia. Advanced Science, 2021, 8, e2101717.	11.2	9
38	The Parabrachial Nucleus as a Key Regulator of Neuropathic Pain. Neuroscience Bulletin, 2021, 37, 1079-1081.	2.9	4
39	Resolution of Inflammatory Pain by Endogenous Chemerin and G Protein-Coupled Receptor ChemR23. Neuroscience Bulletin, 2021, 37, 1351-1356.	2.9	4