

# Zhen-zhong Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

6,713  
citations

147566

31  
h-index

301761

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. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 533-548.	21.5	754
2	Distinct roles of matrix metalloproteases in the early- and late-phase development of neuropathic pain. <i>Nature Medicine</i> , 2008, 14, 331-336.	15.2	658
3	Resolvins RvE1 and RvD1 attenuate inflammatory pain via central and peripheral actions. <i>Nature Medicine</i> , 2010, 16, 592-597.	15.2	503
4	JNK-Induced MCP-1 Production in Spinal Cord Astrocytes Contributes to Central Sensitization and Neuropathic Pain. <i>Journal of Neuroscience</i> , 2009, 29, 4096-4108.	1.7	497
5	Macrophage proresolving mediator maresin 1 stimulates tissue regeneration and controls pain. <i>FASEB Journal</i> , 2012, 26, 1755-1765.	0.2	401
6	Emerging roles of resolvins in the resolution of inflammation and pain. <i>Trends in Neurosciences</i> , 2011, 34, 599-609.	4.2	298
7	Inhibition of mechanical allodynia in neuropathic pain by TLR5-mediated A-fiber blockade. <i>Nature Medicine</i> , 2015, 21, 1326-1331.	15.2	272
8	Extracellular MicroRNAs Activate Nociceptor Neurons to Elicit Pain via TLR7 and TRPA1. <i>Neuron</i> , 2014, 82, 47-54.	3.8	250
9	Toll-like receptor 7 mediates pruritus. <i>Nature Neuroscience</i> , 2010, 13, 1460-1462.	7.1	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. <i>Journal of Neuroscience</i> , 2011, 31, 18433-18438.	1.7	210
11	Resolving TRPV1- and TNF- $\alpha$ -Mediated Spinal Cord Synaptic Plasticity and Inflammatory Pain with Neuroprotectin D1. <i>Journal of Neuroscience</i> , 2011, 31, 15072-15085.	1.7	207
12	TNF-alpha contributes to spinal cord synaptic plasticity and inflammatory pain: Distinct role of TNF receptor subtypes 1 and 2. <i>Pain</i> , 2011, 152, 419-427.	2.0	205
13	GPR37 regulates macrophage phagocytosis and resolution of inflammatory pain. <i>Journal of Clinical Investigation</i> , 2018, 128, 3568-3582.	3.9	183
14	Extracellular caspase-6 drives murine inflammatory pain via microglial TNF- $\alpha$ secretion. <i>Journal of Clinical Investigation</i> , 2014, 124, 1173-1186.	3.9	171
15	Activation of Delta Opioid Receptors Induces Receptor Insertion and Neuropeptide Secretion. <i>Neuron</i> , 2003, 37, 121-133.	3.8	158
16	Matrix metalloprotease regulation of neuropathic pain. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 336-340.	4.0	151
17	Endogenous Tumor Necrosis Factor $\alpha$ (TNF $\alpha$ ) Requires TNF Receptor Type 2 to Generate Heat Hyperalgesia in a Mouse Cancer Model. <i>Journal of Neuroscience</i> , 2008, 28, 5072-5081.	1.7	144
18	TLR3 deficiency impairs spinal cord synaptic transmission, central sensitization, and pruritus in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 2195-2207.	3.9	143

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19	Interaction with Vesicle Luminal Protachykinin Regulates Surface Expression of $\mu$ -Opioid Receptors and Opioid Analgesia. <i>Cell</i> , 2005, 122, 619-631.	13.5	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. <i>Pain</i> , 2010, 148, 309-319.	2.0	139
21	Nociceptive neurons regulate innate and adaptive immunity and neuropathic pain through MyD88 adapter. <i>Cell Research</i> , 2014, 24, 1374-1377.	5.7	125
22	Resolvin E1 Inhibits Neuropathic Pain and Spinal Cord Microglial Activation Following Peripheral Nerve Injury. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 37-41.	2.1	106
23	5,6-EET Is Released upon Neuronal Activity and Induces Mechanical Pain Hypersensitivity via TRPA1 on Central Afferent Terminals. <i>Journal of Neuroscience</i> , 2012, 32, 6364-6372.	1.7	103
24	Neuroprotectin/protectin D1 protects against neuropathic pain in mice after nerve trauma. <i>Annals of Neurology</i> , 2013, 74, 490-495.	2.8	102
25	Interleukin-17 Regulates Neuron-Glial Communications, Synaptic Transmission, and Neuropathic Pain after Chemotherapy. <i>Cell Reports</i> , 2019, 29, 2384-2397.e5.	2.9	87
26	Acute Morphine Activates Satellite Glial Cells and Up-Regulates IL-1 $\beta$ in Dorsal Root Ganglia in Mice via Matrix Metalloprotease-9. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-18.	1.0	77
27	Distinct Analgesic Actions of DHA and DHA-Derived Specialized Pro-Resolving Mediators on Post-operative Pain After Bone Fracture in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 412.	1.6	68
28	Selective inhibition of JNK with a peptide inhibitor attenuates pain hypersensitivity and tumor growth in a mouse skin cancer pain model. <i>Experimental Neurology</i> , 2009, 219, 146-155.	2.0	58
29	Interferon alpha inhibits spinal cord synaptic and nociceptive transmission via neuronal-glia interactions. <i>Scientific Reports</i> , 2016, 6, 34356.	1.6	50
30	Resolvins are potent analgesics for arthritic pain. <i>British Journal of Pharmacology</i> , 2011, 164, 274-277.	2.7	49
31	$\beta$ -arrestin-2 regulates NMDA receptor function in spinal lamina II neurons and duration of persistent pain. <i>Nature Communications</i> , 2016, 7, 12531.	5.8	49
32	GPR151 in nociceptors modulates neuropathic pain via regulating P2X3 function and microglial activation. <i>Brain</i> , 2021, 144, 3405-3420.	3.7	34
33	Is Optogenetic Activation of Vglut1-Positive $\beta$ Low-Threshold Mechanoreceptors Sufficient to Induce Tactile Allodynia in Mice after Nerve Injury?. <i>Journal of Neuroscience</i> , 2019, 39, 6202-6215.	1.7	28
34	GPR177 in A-fiber sensory neurons drives diabetic neuropathic pain via WNT-mediated TRPV1 activation. <i>Science Translational Medicine</i> , 2022, 14, eabh2557.	5.8	26
35	Development of a Membrane-anchored Chemerin Receptor Agonist as a Novel Modulator of Allergic Airway Inflammation and Neuropathic Pain. <i>Journal of Biological Chemistry</i> , 2014, 289, 13385-13396.	1.6	24
36	Basal forebrain mediates prosocial behavior via disinhibition of midbrain dopamine neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10

#	ARTICLE	IF	CITATIONS
37	Rational Design of a Modality-Specific Inhibitor of TRPM8 Channel against Oxaliplatin-Induced Cold Allodynia. <i>Advanced Science</i> , 2021, 8, e2101717.	5.6	9
38	The Parabrachial Nucleus as a Key Regulator of Neuropathic Pain. <i>Neuroscience Bulletin</i> , 2021, 37, 1079-1081.	1.5	4
39	Resolution of Inflammatory Pain by Endogenous Chemerin and G Protein-Coupled Receptor ChemR23. <i>Neuroscience Bulletin</i> , 2021, 37, 1351-1356.	1.5	4