Shao-Jun Tang

List of Publications by Year
in descending order

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53	2,071	257450	254184
papers	citations	24 h-index	43 g-index

58	58	58	2778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Activity-dependent Synaptic Wnt Release Regulates Hippocampal Long Term Potentiation. Journal of Biological Chemistry, 2006, 281, 11910-11916.	3.4	264
2	Roles of Glutamate Receptors and the Mammalian Target of Rapamycin (mTOR) Signaling Pathway in Activity-dependent Dendritic Protein Synthesis in Hippocampal Neurons. Journal of Biological Chemistry, 2006, 281, 18802-18815.	3.4	214
3	Chronic-Pain-Associated Astrocytic Reaction in the Spinal Cord Dorsal Horn of Human Immunodeficiency Virus-Infected Patients. Journal of Neuroscience, 2012, 32, 10833-10840.	3.6	152
4	Wnt Signaling in the Pathogenesis of Multiple Sclerosis-Associated Chronic Pain. Journal of NeuroImmune Pharmacology, 2012, 7, 904-913.	4.1	83
5	Gp120 in the pathogenesis of human immunodeficiency virusâ€“associated pain. Annals of Neurology, 2014, 75, 837-850.	5.3	76
6	NMDA receptor activation stimulates transcription-independent rapid wnt5a protein synthesis via the MAPK signaling pathway. Molecular Brain, 2012, 5, 1.	2.6	74
7	Regulation of microRNA Expression by Induction of Bidirectional Synaptic Plasticity. Journal of Molecular Neuroscience, 2009, 38, 50-56.	2.3	69
8	Molecular Network and Chromosomal Clustering of Genes Involved in Synaptic Plasticity in the Hippocampus. Journal of Biological Chemistry, 2006, 281, 30195-30211.	3.4	64
9	WNT5A Signaling Contributes to AÎ²-Induced Neuroinflammation and Neurotoxicity. PLoS ONE, 2011, 6, e22920.	2.5	64
10	Activation of NMDA Receptors Upregulates A Disintegrin and Metalloproteinase 10 via a Wnt/MAPK Signaling Pathway. Journal of Neuroscience, 2012, 32, 3910-3916.	3.6	59
11	Regulation of Wnt Signaling by Nociceptive Input in Animal Models. Molecular Pain, 2012, 8, 1744-8069-8-47.	2.1	55
12	Wingless-type Mammary Tumor Virus Integration Site Family, Member 5A (Wnt5a) Regulates Human Immunodeficiency Virus Type 1 (HIV-1) Envelope Glycoprotein 120 (gp120)-induced Expression of Pro-Inflammatory Cytokines via the Ca2+/Calmodulin-dependent Protein Kinase II (CaMKII) and c-Jun N-terminal Kinase (JNK) Signaling Pathways. Journal of Biological Chemistry, 2013, 288, 13610-13619.	3.4	52
13	HIV-associated synaptic degeneration. Molecular Brain, 2017, 10, 40.	2.6	52
14	Oligodendrocytes in HIV-associated pain pathogenesis. Molecular Pain, 2016, 12, 174480691665684.	2.1	51
15	Neuron activityâ€“induced Wnt signaling up-regulates expression of brain-derived neurotrophic factor in the pain neural circuit. Journal of Biological Chemistry, 2018, 293, 15641-15651.	3.4	43
16	A Wnt5a signaling pathway in the pathogenesis of HIV-1 gp120-induced pain. Pain, 2015, 156, 1311-1319.	4.2	39
17	Microglia Mediate HIV-1 gp120-Induced Synaptic Degeneration in Spinal Pain Neural Circuits. Journal of Neuroscience, 2019, 39, 8408-8421.	3.6	38
18	Nucleoside Reverse Transcriptase Inhibitors (NRTIs) Induce Pathological Pain through Wnt5a-Mediated Neuroinflammation in Aging Mice. Journal of NeuroImmune Pharmacology, 2018, 13, 230-236.	4.1	35

#	Article	IF	Citations
19	Wnt Signaling in the Pathogenesis of Human HIV-Associated Pain Syndromes. Journal of NeuroImmune Pharmacology, 2013, 8, 956-964.	4.1	34
20	Peli1 facilitates virus replication and promotes neuroinflammation during West Nile virus infection. Journal of Clinical Investigation, 2018, 128, 4980-4991.	8.2	34
21	Mediators of Neuropathic Pain; Focus on Spinal Microglia, CSF-1, BDNF, CCL21, TNF-Î±, Wnt Ligands, and Interleukin 1Î². Frontiers in Pain Research, 2021, 2, 698157.	2.0	33
22	Interactions of Opioids and HIV Infection in the Pathogenesis of Chronic Pain. Frontiers in Microbiology, 2016, 7, 103.	3.5	31
23	Single-cell RNA-seq analysis reveals compartment-specific heterogeneity and plasticity of microglia. IScience, 2021, 24, 102186.	4.1	31
24	Chromatin Organization by Repetitive Elements (CORE): A Genomic Principle for the Higher-Order Structure of Chromosomes. Genes, 2011, 2, 502-515.	2.4	29
25	Nucleoside reverse transcriptase inhibitors (NRTIs) induce proinflammatory cytokines in the CNS via Wnt5a signaling. Scientific Reports, 2017, 7, 4117.	3.3	26
26	Mitochondrial superoxide increases excitatory synaptic strength in spinal dorsal horn neurons of neuropathic mice. Molecular Pain, 2018, 14, 174480691879703.	2.1	26
27	Synaptic Activity-Regulated Wnt Signaling in Synaptic Plasticity, Glial Function and Chronic Pain. CNS and Neurological Disorders - Drug Targets, 2014, 13, 737-744.	1.4	26
28	Morphine and HIV-1 gp120 cooperatively promote pathogenesis in the spinal pain neural circuit. Molecular Pain, 2019, 15, 174480691986838.	2.1	25
29	HIV-1 gp120 Upregulates Brain-Derived Neurotrophic Factor (BDNF) Expression in BV2 Cells via the Wnt/Î²-Catenin Signaling Pathway. Journal of Molecular Neuroscience, 2017, 62, 199-208.	2.3	24
30	Maladaptive Plasticity and Neuropathic Pain. Neural Plasticity, 2016, 2016, 1-2.	2.2	23
31	Reactive Oxygen Species (ROS) are Critical for Morphine Exacerbation of HIV-1 gp120-Induced Pain. Journal of NeuroImmune Pharmacology, 2021, 16, 581-591.	4.1	21
32	HIV-1 gp120Bal down-Regulates Phosphorylated NMDA Receptor Subunit 1 in Cortical Neurons via Activation of Glutamate and Chemokine Receptors. Journal of NeuroImmune Pharmacology, 2016, 11, 182-191.	4.1	20
33	Potential Role of Phase Separation of Repetitive DNA in Chromosomal Organization. Genes, 2017, 8, 279.	2.4	20
34	Exchange protein directly activated by cAMP plays a critical role in regulation of vascular fibrinolysis. Life Sciences, 2019, 221, 1-12.	4.3	19
35	Microglia promote autoimmune inflammation via the noncanonical NF-ÎºB pathway. Science Advances, 2021, 7, eabh0609.	10.3	19
36	Mitogen-activated protein kinase signaling is essential for activity-dependent dendritic protein synthesis. NeuroReport, 2006, 17, 1575-1578.	1.2	18

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37	Aberrant expression of synaptic plasticityâ€related genes in the NF1^{+/â^'} mouse hippocampus. Journal of Neuroscience Research, 2009, 87, 3107-3119.	2.9	18
38	The synaptic Wnt signaling hypothesis. Synapse, 2007, 61, 866-868.	1.2	16
39	A Role of the Mammalian Target of Rapamycin (mTOR) in Glutamate-Induced Down-regulation of Tuberous Sclerosis Complex Proteins 2 (TSC2). Journal of Molecular Neuroscience, 2012, 47, 340-345.	2.3	12
40	Microglial ablation does not affect opioid-induced hyperalgesia in rodents. Pain, 2022, 163, 508-517.	4.2	12
41	A neuron-to-astrocyte Wnt5a signal governs astrogliosis during HIV-associated pain pathogenesis. Brain, 2022, 145, 4108-4123.	7.6	12
42	Reactive astrocytes in pain neural circuit pathogenesis. Current Opinion in Neurobiology, 2022, 75, 102584.	4.2	10
43	A Model of DNA Repeat-Assembled Mitotic Chromosomal Skeleton. Genes, 2011, 2, 661-670.	2.4	9
44	A Model of Repetitive-DNA-Organized Chromatin Network of Interphase Chromosomes. Genes, 2012, 3, 167-175.	2.4	8
45	Increased talinâ€“vinculin spatial proximities in livers in response to spotted fever group rickettsial and Ebola virus infections. Laboratory Investigation, 2020, 100, 1030-1041.	3.7	8
46	New Evidence for the Theory of Chromosome Organization by Repetitive Elements (CORE). Genes, 2017, 8, 81.	2.4	4
47	The R-Operon: A Model of Repetitive DNA-Organized Transcriptional Compartmentation of Eukaryotic Chromosomes for Coordinated Gene Expression. Genes, 2016, 7, 16.	2.4	3
48	Aberrant Synaptic Pruning in CNS Diseases: A Critical Player in HIV-Associated Neurological Dysfunction?. Cells, 2022, 11, 1943.	4.1	3
49	Editorial (Thematic Issue: W(e)nt to the Brain: Wnt Signaling in Neurological Disorders). CNS and Neurological Disorders - Drug Targets, 2014, 13, 736-736.	1.4	2
50	A repetitive DNA-directed program of chromosome packaging during mitosis. Journal of Genetics and Genomics, 2016, 43, 471-476.	3.9	2
51	HIV-Related Neuropathy: Pathophysiology, Treatment and Challenges. Journal of Neurology and Experimental Neuroscience, 2021, 7, 15-24.	0.1	2
52	Drosophila model of anti-retroviral therapy induced peripheral neuropathy and nociceptive hypersensitivity. Biology Open, 2021, 10, .	1.2	2
53	Neuron Type-Dependent Synaptic Activity in the Spinal Dorsal Horn of Opioid-Induced Hyperalgesia Mouse Model. Frontiers in Synaptic Neuroscience, 2021, 13, 748929.	2.5	1