

Hai-Tao Wu

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,523
citations

279798
23
h-index

206112
48
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58
all docs

58
docs citations

58
times ranked

3916
citing authors

#	ARTICLE	IF	CITATIONS
1	To build a synapse: signaling pathways in neuromuscular junction assembly. <i>Development</i> (Cambridge), 2010, 137, 1017-1033.	2.5	442
2	Fast high-resolution miniature two-photon microscopy for brain imaging in freely behaving mice. <i>Nature Methods</i> , 2017, 14, 713-719.	19.0	382
3	Antibodies against low-density lipoprotein receptor-related protein 4 induce myasthenia gravis. <i>Journal of Clinical Investigation</i> , 2013, 123, 5190-5202.	8.2	164
4	The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. <i>Cell</i> , 2018, 175, 1059-1073.e21.	28.9	148
5	Distinct Roles of Muscle and Motoneuron LRP4 in Neuromuscular Junction Formation. <i>Neuron</i> , 2012, 75, 94-107.	8.1	141
6	Miniature two-photon microscopy for enlarged field-of-view, multi-plane and long-term brain imaging. <i>Nature Methods</i> , 2021, 18, 46-49.	19.0	112
7	Lrp4 in astrocytes modulates glutamatergic transmission. <i>Nature Neuroscience</i> , 2016, 19, 1010-1018.	14.8	91
8	Identification of BLYS (B Lymphocyte Stimulator), a Non-Myelin-Associated Protein, as a Functional Ligand for Nogo-66 Receptor. <i>Journal of Neuroscience</i> , 2009, 29, 6348-6352.	3.6	77
9	Lrp4 in osteoblasts suppresses bone formation and promotes osteoclastogenesis and bone resorption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3487-3492.	7.1	76
10	Treatment of Human Glioblastoma with a Live Attenuated Zika Virus Vaccine Candidate. <i>MBio</i> , 2018, 9, .	4.1	74
11	Dedifferentiation of Adult Human Myoblasts Induced by Ciliary Neurotrophic Factor In Vitro. <i>Molecular Biology of the Cell</i> , 2005, 16, 3140-3151.	2.1	60
12	Rapid volumetric imaging with Bessel-Beam three-photon microscopy. <i>Biomedical Optics Express</i> , 2018, 9, 1992.	2.9	58
13	Enzymatic Activity of the Scaffold Protein Rapsyn for Synapse Formation. <i>Neuron</i> , 2016, 92, 1007-1019.	8.1	57
14	Cortical Inflammation is Increased in a DSS-Induced Colitis Mouse Model. <i>Neuroscience Bulletin</i> , 2018, 34, 1058-1066.	2.9	56
15	Slit2 as a β -catenin/Ctnnb1-dependent retrograde signal for presynaptic differentiation. <i>ELife</i> , 2015, 4, .	6.0	50
16	ApoE Influences the Blood-Brain Barrier Through the NF- κ B/MMP-9 Pathway After Traumatic Brain Injury. <i>Scientific Reports</i> , 2017, 7, 6649.	3.3	47
17	β -Catenin gain of function in muscles impairs neuromuscular junction formation. <i>Development</i> (Cambridge), 2012, 139, 2392-2404.	2.5	45
18	Effects of Interleukin-6, Leukemia Inhibitory Factor, and Ciliary Neurotrophic Factor on the Proliferation and Differentiation of Adult Human Myoblasts. <i>Cellular and Molecular Neurobiology</i> , 2008, 28, 113-124.	3.3	42

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19	Sarcoglycan Alpha Mitigates Neuromuscular Junction Decline in Aged Mice by Stabilizing LRP4. Journal of Neuroscience, 2018, 38, 8860-8873.	3.6	40
20	Opposite regulation of Wnt/ β -catenin and Shh signaling pathways by Rack1 controls mammalian cerebellar development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4661-4670.	7.1	40
21	Alterations of White Matter Connectivity in Preschool Children with Autism Spectrum Disorder. Radiology, 2018, 288, 209-217.	7.3	35
22	Sema4C participates in myogenic differentiation in vivo and in vitro through the p38 MAPK pathway. European Journal of Cell Biology, 2007, 86, 331-344.	3.6	33
23	Crosstalk between Activated Microglia and Neurons in the Spinal Dorsal Horn Contributes to Stress-induced Hyperalgesia. Scientific Reports, 2016, 6, 39442.	3.3	28
24	Sema4C Expression in Neural Stem/Progenitor Cells and in Adult Neurogenesis Induced by Cerebral Ischemia. Journal of Molecular Neuroscience, 2009, 39, 27-39.	2.3	20
25	Localization and cellular distribution of CPNE5 in embryonic mouse brain. Brain Research, 2008, 1224, 20-28.	2.2	17
26	Both Notch1 and its ligands in B cells promote antibody production. Molecular Immunology, 2017, 91, 17-23.	2.2	16
27	DIXDC1 Promotes Retinoic Acid-Induced Neuronal Differentiation and Inhibits Gliogenesis in P19 Cells. Cellular and Molecular Neurobiology, 2009, 29, 55-67.	3.3	15
28	Loss of O-GlcNAc transferase in neural stem cells impairs corticogenesis. Biochemical and Biophysical Research Communications, 2020, 532, 541-547.	2.1	15
29	Rack1 is essential for corticogenesis by preventing p21-dependent senescence in neural stem cells. Cell Reports, 2021, 36, 109639.	6.4	13
30	Astrocytes in the Traumatic Brain Injury: the Good and the Bad. Experimental Neurology, 2022, 348, 113943.	4.1	13
31	Expression and Functional Roles of Smad1 and BMPRII in Glioma Development. Cancer Investigation, 2009, 27, 734-740.	1.3	12
32	Notch1 deficiency in postnatal neural progenitor cells in the dentate gyrus leads to emotional and cognitive impairment. FASEB Journal, 2017, 31, 4347-4358.	0.5	12
33	Transferrin receptor 1 plays an important role in muscle development and denervation-induced muscular atrophy. Neural Regeneration Research, 2021, 16, 1308.	3.0	11
34	Animal models of stress and stress-related neurocircuits: A comprehensive review. Stress and Brain, 2021, 1, 108-127.	0.7	11
35	Kainate receptor mediated presynaptic LTP in agranular insular cortex contributes to fear and anxiety in mice. Neuropharmacology, 2018, 128, 388-400.	4.1	9
36	Rack1 Controls Parallel Fiber-Purkinje Cell Synaptogenesis and Synaptic Transmission. Frontiers in Cellular Neuroscience, 2019, 13, 539.	3.7	9

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37	Morphological Analysis of Neuromuscular Junctions by Immunofluorescent Staining of Whole-Mount Mouse Diaphragms. <i>Methods in Molecular Biology</i> , 2013, 1018, 277-285.	0.9	9
38	The Role of Hypoxia in the Differentiation of P19 Embryonal Carcinoma Cells into Dopaminergic Neurons. <i>Neurochemical Research</i> , 2008, 33, 2118-2125.	3.3	8
39	Quinacrine protects neuronal cells against heat-induced injury. <i>Cell Biology International</i> , 2009, 33, 874-881.	3.0	5
40	Ablation of Lrp4 in Schwann Cells Promotes Peripheral Nerve Regeneration in Mice. <i>Biology</i> , 2021, 10, 452.	2.8	4
41	Disruption of rack1 suppresses SHH-type medulloblastoma formation in mice. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1518-1530.	3.9	3
42	Positive and neutral updating reconsolidate aversive episodic memories via different routes. <i>Neurobiology of Learning and Memory</i> , 2021, 184, 107500.	1.9	3
43	Loss of O-GlcNAcylation on MeCP2 at Threonine 203 Leads to Neurodevelopmental Disorders. <i>Neuroscience Bulletin</i> , 2022, 38, 113-134.	2.9	3
44	β -Catenin gain of function in muscles impairs neuromuscular junction formation. <i>Development (Cambridge)</i> , 2012, 139, 2636-2636.	2.5	2
45	An Invasive Method for the Activation of the Mouse Dentate Gyrus by High-frequency Stimulation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	2
46	Cpne5 is Involved in Regulating Rodent Anxiety Level. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 266-268.	3.9	1
47	Notch1 gain of function in skeletal muscles leads to neuromuscular junction formation defects and neonatal death. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 456-459.	3.9	1
48	Fast High-resolution Miniature Two-photon Microscopy for Brain Imaging in Freely-behaving Mice at the Single-spine Level. , 2017, , .		1
49	SMAD1 inactivation caused by decreased expression of bone morphogenetic protein receptor 1b contributes to glioma aggravation. <i>Cell Biology International</i> , 2008, 32, S32-S32.	3.0	0
50	Rack1 is Essential for Corticogenesis by Preventing P21-Dependent Senescence in Neural Stem Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
51	Protocol for analysis of senescent neuronal stem cells in genetic-modified embryonic mice using in utero electroporation technique. <i>STAR Protocols</i> , 2022, 3, 101461.	1.2	0