

Hui-Chen Lu

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

3,272
citations

279798

23
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

5716
citing authors

#	ARTICLE	IF	CITATIONS
1	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. <i>Nature</i> , 2010, 468, 263-269.	27.8	1,042
2	NF- κ B-Activated Astroglial Release of Complement C3 Compromises Neuronal Morphology and Function Associated with Alzheimer's Disease. <i>Neuron</i> , 2015, 85, 101-115.	8.1	442
3	Endocannabinoid signaling controls pyramidal cell specification and long-range axon patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8760-8765.	7.1	263
4	Barrel Cortex Critical Period Plasticity Is Independent of Changes in NMDA Receptor Subunit Composition. <i>Neuron</i> , 2001, 32, 619-634.	8.1	161
5	Requirement of cannabinoid CB ₁ receptors in cortical pyramidal neurons for appropriate development of corticothalamic and thalamocortical projections. <i>European Journal of Neuroscience</i> , 2010, 32, 693-706.	2.6	129
6	NMNAT2:HSP90 Complex Mediates Proteostasis in Proteinopathies. <i>PLoS Biology</i> , 2016, 14, e1002472.	5.6	105
7	Adenylyl cyclase I regulates AMPA receptor trafficking during mouse cortical 'barrel' map development. <i>Nature Neuroscience</i> , 2003, 6, 939-947.	14.8	103
8	CREB-activity and nmnat2 transcription are down-regulated prior to neurodegeneration, while NMNAT2 over-expression is neuroprotective, in a mouse model of human tauopathy. <i>Human Molecular Genetics</i> , 2012, 21, 251-267.	2.9	98
9	Strain Background Influences Neurotoxicity and Behavioral Abnormalities in Mice Expressing the Tetracycline Transactivator. <i>Journal of Neuroscience</i> , 2012, 32, 10574-10586.	3.6	94
10	The Amyloid Precursor Protein Controls Adult Hippocampal Neurogenesis through GABAergic Interneurons. <i>Journal of Neuroscience</i> , 2014, 34, 13314-13325.	3.6	90
11	NMNATs, evolutionarily conserved neuronal maintenance factors. <i>Trends in Neurosciences</i> , 2013, 36, 632-640.	8.6	85
12	Fragile X-like behaviors and abnormal cortical dendritic spines in Cytoplasmic FMR1-interacting protein 2-mutant mice. <i>Human Molecular Genetics</i> , 2015, 24, 1813-1823.	2.9	66
13	In vivo axonal transport deficits in a mouse model of fronto-temporal dementia. <i>NeuroImage: Clinical</i> , 2014, 4, 711-717.	2.7	63
14	mGluR5 in Cortical Excitatory Neurons Exerts Both Cell-Autonomous and -Nonautonomous Influences on Cortical Somatosensory Circuit Formation. <i>Journal of Neuroscience</i> , 2010, 30, 16896-16909.	3.6	58
15	What can we get from "barrels": the rodent barrel cortex as a model for studying the establishment of neural circuits. <i>European Journal of Neuroscience</i> , 2011, 34, 1663-1676.	2.6	56
16	Role of Efficient Neurotransmitter Release in Barrel Map Development. <i>Journal of Neuroscience</i> , 2006, 26, 2692-2703.	3.6	50
17	Progressive Functional Impairments of Hippocampal Neurons in a Tauopathy Mouse Model. <i>Journal of Neuroscience</i> , 2015, 35, 8118-8131.	3.6	40
18	Roles of mGluR5 in synaptic function and plasticity of the mouse thalamocortical pathway. <i>European Journal of Neuroscience</i> , 2009, 29, 1379-1396.	2.6	37

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19	Mechanisms Underlying Desynchronization of Cholinergic-Evoked Thalamic Network Activity. <i>Journal of Neuroscience</i> , 2014, 34, 14463-14474.	3.6	36
20	Screening with an NMNAT2-MSD platform identifies small molecules that modulate NMNAT2 levels in cortical neurons. <i>Scientific Reports</i> , 2017, 7, 43846.	3.3	33
21	FGF-FGFR Mediates the Activity-Dependent Dendritogenesis of Layer IV Neurons during Barrel Formation. <i>Journal of Neuroscience</i> , 2017, 37, 12094-12105.	3.6	33
22	mGluR5 Ablation in Cortical Glutamatergic Neurons Increases Novelty-Induced Locomotion. <i>PLoS ONE</i> , 2013, 8, e70415.	2.5	32
23	Prenatal methadone exposure disrupts behavioral development and alters motor neuron intrinsic properties and local circuitry. <i>ELife</i> , 2021, 10, .	6.0	32
24	mGluR5 knockout mice display increased dendritic spine densities. <i>Neuroscience Letters</i> , 2012, 524, 65-68.	2.1	29
25	mGluR5 Exerts Cell-Autonomous Influences on the Functional and Anatomical Development of Layer IV Cortical Neurons in the Mouse Primary Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 8802-8814.	3.6	25
26	Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 7039-7054.	3.6	18
27	mGluR5 Tunes NGF/TrkA Signaling to Orient Spiny Stellate Neuron Dendrites Toward Thalamocortical Axons During Whisker-Barrel Map Formation. <i>Cerebral Cortex</i> , 2018, 28, 1991-2006.	2.9	12
28	Perinatal CBD or THC Exposure Results in Lasting Resistance to Fluoxetine in the Forced Swim Test: Reversal by Fatty Acid Amide Hydrolase Inhibition. <i>Cannabis and Cannabinoid Research</i> , 2022, 7, 318-327.	2.9	9
29	Presymptomatic change in microRNAs modulates Tau pathology. <i>Scientific Reports</i> , 2018, 8, 9251.	3.3	7
30	Enhanced FGFR3 activity in postmitotic principal neurons during brain development results in cortical dysplasia and axonal tract abnormality. <i>Scientific Reports</i> , 2020, 10, 18508.	3.3	7
31	Sex-Dependent Synaptic Remodeling of the Somatosensory Cortex in Mice With Prenatal Methadone Exposure. <i>Advances in Drug and Alcohol Research</i> , 0, 2, .	2.5	7
32	mGlu5 in GABAergic neurons modulates spontaneous and psychostimulant-induced locomotor activity. <i>Psychopharmacology</i> , 2020, 237, 345-361.	3.1	5
33	A Digital Atlas to Characterize the Mouse Brain Transcriptome. <i>PLoS Computational Biology</i> , 2005, preprint, e41.	3.2	0