

Mingshan Xue

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

4,859
citations

279487

23
h-index

395343

33
g-index

43
all docs

43
docs citations

43
times ranked

7292
citing authors

#	ARTICLE	IF	CITATIONS
1	Kalium channelrhodopsins are natural light-gated potassium channels that mediate optogenetic inhibition. <i>Nature Neuroscience</i> , 2022, 25, 967-974.	7.1	56
2	Cooperative synaptic and intrinsic plasticity in a disynaptic limbic circuit drive stress-induced anhedonia and passive coping in mice. <i>Molecular Psychiatry</i> , 2021, 26, 1860-1879.	4.1	37
3	A neural basis for brain leptin action on reducing type 1 diabetic hyperglycemia. <i>Nature Communications</i> , 2021, 12, 2662.	5.8	11
4	Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K ⁺ channels. <i>ELife</i> , 2021, 10, .	2.8	26
5	Paraventricular hypothalamus mediates diurnal rhythm of metabolism. <i>Nature Communications</i> , 2020, 11, 3794.	5.8	36
6	Disrupted hypothalamic CRH neuron responsiveness contributes to diet-induced obesity. <i>EMBO Reports</i> , 2020, 21, e49210.	2.0	14
7	Profound and redundant functions of arcuate neurons in obesity development. <i>Nature Metabolism</i> , 2020, 2, 763-774.	5.1	55
8	Stxbp1/Munc18-1 haploinsufficiency impairs inhibition and mediates key neurological features of STXBP1 encephalopathy. <i>ELife</i> , 2020, 9, .	2.8	42
9	A Robust AUC Maximization Framework With Simultaneous Outlier Detection and Feature Selection for Positive-Unlabeled Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 3072-3083.	7.2	12
10	Neurexophilin4 is a selectively expressed β -neurexin ligand that modulates specific cerebellar synapses and motor functions. <i>ELife</i> , 2019, 8, .	2.8	19
11	Otud7a Knockout Mice Recapitulate Many Neurological Features of 15q13.3 Microdeletion Syndrome. <i>American Journal of Human Genetics</i> , 2018, 102, 296-308.	2.6	65
12	Targeting light-gated chloride channels to neuronal somatodendritic domain reduces their excitatory effect in the axon. <i>ELife</i> , 2018, 7, .	2.8	64
13	Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. <i>Neuron</i> , 2017, 94, 294-303.e4.	3.8	52
14	Chrna7 deficient mice manifest no consistent neuropsychiatric and behavioral phenotypes. <i>Scientific Reports</i> , 2017, 7, 39941.	1.6	43
15	Quantitative real-time imaging of glutathione. <i>Nature Communications</i> , 2017, 8, 16087.	5.8	192
16	Manipulations of MeCP2 in glutamatergic neurons highlight their contributions to Rett and other neurological disorders. <i>ELife</i> , 2016, 5, .	2.8	86
17	Equalizing excitation-inhibition ratios across visual cortical neurons. <i>Nature</i> , 2014, 511, 596-600.	13.7	626
18	Inhibition of inhibition in visual cortex: the logic of connections between molecularly distinct interneurons. <i>Nature Neuroscience</i> , 2013, 16, 1068-1076.	7.1	1,132

#	ARTICLE	IF	CITATIONS
19	Dueling Ca ²⁺ Sensors in Neurotransmitter Release. <i>Cell</i> , 2011, 147, 491-493.	13.5	9
20	Binding of the complexin N terminus to the SNARE complex potentiates synaptic-vesicle fusogenicity. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 568-575.	3.6	113
21	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. <i>Nature</i> , 2010, 468, 263-269.	13.7	1,042
22	Structural and Mutational Analysis of Functional Differentiation between Synaptotagmins-1 and -7. <i>PLoS ONE</i> , 2010, 5, e12544.	1.1	28
23	The Headache of a Hyperactive Calcium Channel. <i>Neuron</i> , 2009, 61, 653-654.	3.8	5
24	Tilting the Balance between Facilitatory and Inhibitory Functions of Mammalian and <i>Drosophila</i> Complexins Orchestrates Synaptic Vesicle Exocytosis. <i>Neuron</i> , 2009, 64, 367-380.	3.8	101
25	The Janus-faced nature of the C2B domain is fundamental for synaptotagmin-1 function. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1160-1168.	3.6	118
26	Complexins facilitate neurotransmitter release at excitatory and inhibitory synapses in mammalian central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7875-7880.	3.3	130
27	The atypical cadherin flamingo regulates synaptogenesis and helps prevent axonal and synaptic degeneration in <i>Drosophila</i> . <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 662-678.	1.0	27
28	Distinct domains of complexin I differentially regulate neurotransmitter release. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 949-958.	3.6	198
29	Structurally and functionally unique complexins at retinal ribbon synapses. <i>Journal of Cell Biology</i> , 2005, 169, 669-680.	2.3	176
30	<i>Drosophila</i> Spastin Regulates Synaptic Microtubule Networks and Is Required for Normal Motor Function. <i>PLoS Biology</i> , 2004, 2, e429.	2.6	227
31	Retrograde Gbb signaling through the Bmp type 2 receptor Wishful Thinking regulates systemic FMRFa expression in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2003, 130, 5457-5470.	1.2	88
32	Do SNARE proteins confer specificity for vesicle fusion?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13359-13361.	3.3	9