

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	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
2	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. <i>Nature</i> , 2010, 468, 263-269.	13.7	1,042
3	Equalizing excitation"inhibition ratios across visual cortical neurons. <i>Nature</i> , 2014, 511, 596-600.	13.7	626
4	Drosophila Spastin Regulates Synaptic Microtubule Networks and Is Required for Normal Motor Function. <i>PLoS Biology</i> , 2004, 2, e429.	2.6	227
5	Distinct domains of complexin I differentially regulate neurotransmitter release. <i>Nature Structural and Molecular Biology</i> , 2007, 14, 949-958.	3.6	198
6	Quantitative real-time imaging of glutathione. <i>Nature Communications</i> , 2017, 8, 16087.	5.8	192
7	Structurally and functionally unique complexins at retinal ribbon synapses. <i>Journal of Cell Biology</i> , 2005, 169, 669-680.	2.3	176
8	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
9	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
10	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
11	Tilting the Balance between Facilitatory and Inhibitory Functions of Mammalian and Drosophila Complexins Orchestrates Synaptic Vesicle Exocytosis. <i>Neuron</i> , 2009, 64, 367-380.	3.8	101
12	Retrograde Gbb signaling through the Bmp type 2 receptor Wishful Thinking regulates systemic FMRFa expression in Drosophila. <i>Development (Cambridge)</i> , 2003, 130, 5457-5470.	1.2	88
13	Manipulations of MeCP2 in glutamatergic neurons highlight their contributions to Rett and other neurological disorders. <i>ELife</i> , 2016, 5, .	2.8	86
14	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
15	Targeting light-gated chloride channels to neuronal somatodendritic domain reduces their excitatory effect in the axon. <i>ELife</i> , 2018, 7, .	2.8	64
16	Kalium channelrhodopsins are natural light-gated potassium channels that mediate optogenetic inhibition. <i>Nature Neuroscience</i> , 2022, 25, 967-974.	7.1	56
17	Profound and redundant functions of arcuate neurons in obesity development. <i>Nature Metabolism</i> , 2020, 2, 763-774.	5.1	55
18	Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. <i>Neuron</i> , 2017, 94, 294-303.e4.	3.8	52

#	ARTICLE	IF	CITATIONS
19	Chrna7 deficient mice manifest no consistent neuropsychiatric and behavioral phenotypes. Scientific Reports, 2017, 7, 39941.	1.6	43
20	Stxbp1/Munc18-1 haploinsufficiency impairs inhibition and mediates key neurological features of STXBP1 encephalopathy. ELife, 2020, 9, .	2.8	42
21	Cooperative synaptic and intrinsic plasticity in a disynaptic limbic circuit drive stress-induced anhedonia and passive coping in mice. Molecular Psychiatry, 2021, 26, 1860-1879.	4.1	37
22	Paraventricular hypothalamus mediates diurnal rhythm of metabolism. Nature Communications, 2020, 11, 3794.	5.8	36
23	Structural and Mutational Analysis of Functional Differentiation between Synaptotagmins-1 and -7. PLoS ONE, 2010, 5, e12544.	1.1	28
24	The atypical cadherin flamingo regulates synaptogenesis and helps prevent axonal and synaptic degeneration in Drosophila. Molecular and Cellular Neurosciences, 2007, 34, 662-678.	1.0	27
25	Ankyrin-R regulates fast-spiking interneuron excitability through perineuronal nets and Kv3.1b K+ channels. ELife, 2021, 10, .	2.8	26
26	Neurexophilin4 is a selectively expressed $\hat{\pm}$ -neurexin ligand that modulates specific cerebellar synapses and motor functions. ELife, 2019, 8, .	2.8	19
27	Disrupted hypothalamic $\langle \text{sc} \rangle$ CRH $\langle / \text{sc} \rangle$ neuron responsiveness contributes to diet-induced obesity. EMBO Reports, 2020, 21, e49210.	2.0	14
28	A Robust AUC Maximization Framework With Simultaneous Outlier Detection and Feature Selection for Positive-Unlabeled Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3072-3083.	7.2	12
29	A neural basis for brain leptin action on reducing type 1 diabetic hyperglycemia. Nature Communications, 2021, 12, 2662.	5.8	11
30	Do SNARE proteins confer specificity for vesicle fusion?. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13359-13361.	3.3	9
31	Dueling Ca ²⁺ Sensors in Neurotransmitter Release. Cell, 2011, 147, 491-493.	13.5	9
32	The Headache of a Hyperactive Calcium Channel. Neuron, 2009, 61, 653-654.	3.8	5