

Jiayi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

694
citations

758635

12
h-index

839053

18
g-index

24
all docs

24
docs citations

24
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	A distinct D1-MSN subpopulation down-regulates dopamine to promote negative emotional state. <i>Cell Research</i> , 2022, 32, 139-156.	5.7	34
2	Behavioral mimicry of eating in mice. <i>Neuroscience Letters</i> , 2022, 770, 136426.	1.0	0
3	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. <i>National Science Review</i> , 2021, 8, nwa209.	4.6	36
4	Short-Term Visual Experience Leads to Potentiation of Spontaneous Activity in Mouse Superior Colliculus. <i>Neuroscience Bulletin</i> , 2021, 37, 353-368.	1.5	5
5	Tracking Eye Movements During Sleep in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 616760.	1.4	13
6	Large-Area Photoreceptor Degeneration Model in Rabbits by Photocoagulation and Oxidative Stress in the Retina. <i>Frontiers in Neuroscience</i> , 2021, 15, 617175.	1.4	1
7	The tectonigral pathway regulates appetitive locomotion in predatory hunting in mice. <i>Nature Communications</i> , 2021, 12, 4409.	5.8	19
8	Near-infrared manipulation of multiple neuronal populations via trichromatic upconversion. <i>Nature Communications</i> , 2021, 12, 5662.	5.8	70
9	Quantitative Analysis of Retinal Vasculature in Rhegmatogenous Retinal Detachment Based on Ultra-Widefield Fundus Imaging. <i>Frontiers in Medicine</i> , 2021, 8, 797479.	1.2	3
10	A shape-memory and spiral light-emitting device for precise multisite stimulation of nerve bundles. <i>Nature Communications</i> , 2019, 10, 2790.	5.8	33
11	Nanowire arrays restore vision in blind mice. <i>Nature Communications</i> , 2018, 9, 786.	5.8	89
12	Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018, 30, e1800323.	11.1	145
13	Reciprocal Connections Between Cortex and Thalamus Contribute to Retinal Axon Targeting to Dorsal Lateral Geniculate Nucleus. <i>Cerebral Cortex</i> , 2018, 28, 1168-1182.	1.6	22
14	Molecular guidance cues in the development of visual pathway. <i>Protein and Cell</i> , 2018, 9, 909-929.	4.8	11
15	Label-free imaging of hemoglobin degradation and hemosiderin formation in brain tissues with femtosecond pump-probe microscopy. <i>Theranostics</i> , 2018, 8, 4129-4140.	4.6	23
16	Embryonic Intravitreal Injection in Mouse. <i>Bio-protocol</i> , 2018, 8, e2929.	0.2	0
17	Intra-amniotic Injection of Mouse Embryos. <i>Bio-protocol</i> , 2018, 8, e2854.	0.2	0
18	Activation of Parvalbumin-Positive Neurons in Both Retina and Primary Visual Cortex Improves the Feature-Selectivity of Primary Visual Cortex Neurons. <i>Neuroscience Bulletin</i> , 2017, 33, 255-263.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Visual and Motor Deficits in Grown-up Mice with Congenital Zika Virus Infection. EBioMedicine, 2017, 20, 193-201.	2.7	55
20	Visual map development depends on the temporal pattern of binocular activity in mice. Nature Neuroscience, 2012, 15, 298-307.	7.1	122