

# Jiayi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3149578/publications.pdf>

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  | Textile Display for Electronic and Brain-Interfaced Communications. <i>Advanced Materials</i> , 2018, 30, e1800323.  | 11.1 | 145       |
| 2  | Visual map development depends on the temporal pattern of binocular activity in mice. <i>Nature Neuroscience</i> , 2012, 15, 298-307.  | 7.1  | 122       |
| 3  | Nanowire arrays restore vision in blind mice. <i>Nature Communications</i> , 2018, 9, 786.   | 5.8  | 89        |
| 4  | Near-infrared manipulation of multiple neuronal populations via trichromatic upconversion. <i>Nature Communications</i> , 2021, 12, 5662.  | 5.8  | 70        |
| 5  | Visual and Motor Deficits in Grown-up Mice with Congenital Zika Virus Infection. <i>EBioMedicine</i> , 2017, 20, 193-201.  | 2.7  | 55        |
| 6  | Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. <i>National Science Review</i> , 2021, 8, nwaa209.  | 4.6  | 36        |
| 7  | A distinct D1-MSN subpopulation down-regulates dopamine to promote negative emotional state. <i>Cell Research</i> , 2022, 32, 139-156.   | 5.7  | 34        |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | The tectonigral pathway regulates appetitive locomotion in predatory hunting in mice. <i>Nature Communications</i> , 2021, 12, 4409.   | 5.8  | 19        |
| 12 | Tracking Eye Movements During Sleep in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 616760.  | 1.4  | 13        |
| 13 | 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        |
| 14 | Molecular guidance cues in the development of visual pathway. <i>Protein and Cell</i> , 2018, 9, 909-929.  | 4.8  | 11        |
| 15 | 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         |
| 16 | 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         |
| 17 | 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         |
| 18 | Embryonic Intravitreal Injection in Mouse. <i>Bio-protocol</i> , 2018, 8, e2929.   | 0.2  | 0         |

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|----|--|-----|-----------|
| 19 | Intra-amniotic Injection of Mouse Embryos. Bio-protocol, 2018, 8, e2854.       | 0.2 | 0         |
| 20 | Behavioral mimicry of eating in mice. Neuroscience Letters, 2022, 770, 136426. | 1.0 | 0         |