

# Tianyi Mao

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

6,358  
citations

430874

18  
h-index

610901

24  
g-index

35  
all docs

35  
docs citations

35  
times ranked

9048  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging neural activity in worms, flies and mice with improved GCaMP calcium indicators. Nature Methods, 2009, 6, 875-881.	19.0	1,759
2	A toolbox of Cre-dependent optogenetic transgenic mice for light-induced activation and silencing. Nature Neuroscience, 2012, 15, 793-802.	14.8	1,153
3	The subcellular organization of neocortical excitatory connections. Nature, 2009, 457, 1142-1145.	27.8	903
4	Long-Range Neuronal Circuits Underlying the Interaction between Sensory and Motor Cortex. Neuron, 2011, 72, 111-123.	8.1	447
5	A comprehensive excitatory input map of the striatum reveals novel functional organization. ELife, 2016, 5, .	6.0	373
6	MICALs, a Family of Conserved Flavoprotein Oxidoreductases, Function in Plexin-Mediated Axonal Repulsion. Cell, 2002, 109, 887-900.	28.9	331
7	Organization of Cortical and Thalamic Input to Pyramidal Neurons in Mouse Motor Cortex. Journal of Neuroscience, 2013, 33, 748-760.	3.6	313
8	Myosin-dependent targeting of transmembrane proteins to neuronal dendrites. Nature Neuroscience, 2009, 12, 568-576.	14.8	182
9	Characterization and Subcellular Targeting of GCaMP-Type Genetically-Encoded Calcium Indicators. PLoS ONE, 2008, 3, e1796.	2.5	139
10	Inputs to the Dorsal Striatum of the Mouse Reflect the Parallel Circuit Architecture of the Forebrain. Frontiers in Neuroanatomy, 2010, 4, 147.	1.7	127
11	A comprehensive thalamocortical projection map at the mesoscopic level. Nature Neuroscience, 2014, 17, 1276-1285.	14.8	124
12	Subcellular Dynamics of Type II PKA in Neurons. Neuron, 2009, 62, 363-374.	8.1	103
13	Live Imaging of Endogenous PSD-95 Using ENABLED: A Conditional Strategy to Fluorescently Label Endogenous Proteins. Journal of Neuroscience, 2014, 34, 16698-16712.	3.6	74
14	A Highly Sensitive A-Kinase Activity Reporter for Imaging Neuromodulatory Events in Awake Mice. Neuron, 2018, 99, 665-679.e5.	8.1	67
15	A Role for Myosin VI in the Localization of Axonal Proteins. PLoS Biology, 2011, 9, e1001021.	5.6	57
16	Synapse-specific opioid modulation of thalamo-cortico-striatal circuits. ELife, 2019, 8, .	6.0	49
17	Ontogenetic establishment of order-specific nuclear organization in the mammalian thalamus. Nature Neuroscience, 2017, 20, 516-528.	14.8	43
18	Stage-specific functions of Semaphorin7A during adult hippocampal neurogenesis rely on distinct receptors. Nature Communications, 2017, 8, 14666.	12.8	26

#	ARTICLE	IF	CITATIONS
19	High-fidelity, efficient, and reversible labeling of endogenous proteins using CRISPR-based designer exon insertion. <i>ELife</i> , 2021, 10, .	6.0	23
20	Genetically encoded sensors towards imaging cAMP and PKA activity in vivo. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109298.	2.5	20
21	Genetically encoded fluorescent sensors for imaging neuronal dynamics in vivo. <i>Journal of Neurochemistry</i> , 2023, 164, 284-308.	3.9	10
22	Distinct in vivo dynamics of excitatory synapses onto cortical pyramidal neurons and parvalbumin-positive interneurons. <i>Cell Reports</i> , 2021, 37, 109972.	6.4	9
23	Visualizing Protein Kinase A Activity In Head-fixed Behaving Mice Using In Vivo Two-photon Fluorescence Lifetime Imaging Microscopy. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
24	Imaging Neuromodulatory Signaling Events at Single Cell Resolution in Behaving Animal. <i>Microscopy and Microanalysis</i> , 2019, 25, 1130-1131.	0.4	1
25	High-Contrast Visualization of Endogenous Proteins for Live Imaging. <i>Microscopy and Microanalysis</i> , 2019, 25, 1250-1251.	0.4	0
26	Labeling Endogenous Proteins Using CRISPR-mediated Insertion of Exon (CRISPIE). <i>Bio-protocol</i> , 2022, 12, e4343.	0.4	0