

Tianyi Mao

List of Publications by Year in descending order

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26
papers

6,358
citations

430874

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24
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35
all docs

35
docs citations

35
times ranked

9048
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically encoded fluorescent sensors for imaging neuronal dynamics in vivo. Journal of Neurochemistry, 2023, 164, 284-308.	3.9	10
2	Labeling Endogenous Proteins Using CRISPR-mediated Insertion of Exon (CRISPIE). Bio-protocol, 2022, 12, e4343.	0.4	0
3	High-fidelity, efficient, and reversible labeling of endogenous proteins using CRISPR-based designer exon insertion. ELife, 2021, 10, .	6.0	23
4	Genetically encoded sensors towards imaging cAMP and PKA activity in vivo. Journal of Neuroscience Methods, 2021, 362, 109298.	2.5	20
5	Distinct in vivo dynamics of excitatory synapses onto cortical pyramidal neurons and parvalbumin-positive interneurons. Cell Reports, 2021, 37, 109972.	6.4	9
6	Imaging Neuromodulatory Signaling Events at Single Cell Resolution in Behaving Animal. Microscopy and Microanalysis, 2019, 25, 1130-1131.	0.4	1
7	High-Contrast Visualization of Endogenous Proteins for Live Imaging. Microscopy and Microanalysis, 2019, 25, 1250-1251.	0.4	0
8	Visualizing Protein Kinase A Activity In Head-fixed Behaving Mice Using In Vivo Two-photon Fluorescence Lifetime Imaging Microscopy. Journal of Visualized Experiments, 2019, , .	0.3	5
9	Synapse-specific opioid modulation of thalamo-cortico-striatal circuits. ELife, 2019, 8, .	6.0	49
10	A Highly Sensitive A-Kinase Activity Reporter for Imaging Neuromodulatory Events in Awake Mice. Neuron, 2018, 99, 665-679.e5.	8.1	67
11	Stage-specific functions of Semaphorin7A during adult hippocampal neurogenesis rely on distinct receptors. Nature Communications, 2017, 8, 14666.	12.8	26
12	Ontogenetic establishment of order-specific nuclear organization in the mammalian thalamus. Nature Neuroscience, 2017, 20, 516-528.	14.8	43
13	A comprehensive excitatory input map of the striatum reveals novel functional organization. ELife, 2016, 5, .	6.0	373
14	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
15	A comprehensive thalamocortical projection map at the mesoscopic level. Nature Neuroscience, 2014, 17, 1276-1285.	14.8	124
16	Organization of Cortical and Thalamic Input to Pyramidal Neurons in Mouse Motor Cortex. Journal of Neuroscience, 2013, 33, 748-760.	3.6	313
17	A toolbox of Cre-dependent optogenetic transgenic mice for light-induced activation and silencing. Nature Neuroscience, 2012, 15, 793-802.	14.8	1,153
18	Long-Range Neuronal Circuits Underlying the Interaction between Sensory and Motor Cortex. Neuron, 2011, 72, 111-123.	8.1	447

#	ARTICLE	IF	CITATIONS
19	A Role for Myosin VI in the Localization of Axonal Proteins. PLoS Biology, 2011, 9, e1001021.	5.6	57
20	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
21	The subcellular organization of neocortical excitatory connections. Nature, 2009, 457, 1142-1145.	27.8	903
22	Imaging neural activity in worms, flies and mice with improved GCaMP calcium indicators. Nature Methods, 2009, 6, 875-881.	19.0	1,759
23	Myosin-dependent targeting of transmembrane proteins to neuronal dendrites. Nature Neuroscience, 2009, 12, 568-576.	14.8	182
24	Subcellular Dynamics of Type II PKA in Neurons. Neuron, 2009, 62, 363-374.	8.1	103
25	Characterization and Subcellular Targeting of GCaMP-Type Genetically-Encoded Calcium Indicators. PLoS ONE, 2008, 3, e1796.	2.5	139
26	MICALs, a Family of Conserved Flavoprotein Oxidoreductases, Function in Plexin-Mediated Axonal Repulsion. Cell, 2002, 109, 887-900.	28.9	331