

# Tsai-Wen Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

10,878  
citations

361045

20  
h-index

752256

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

12996  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of neuronal population dynamics measured with calcium imaging and electrophysiology. PLoS Computational Biology, 2020, 16, e1008198.	1.5	102
2	A comparison of neuronal population dynamics measured with calcium imaging and electrophysiology. , 2020, 16, e1008198.		0
3	A comparison of neuronal population dynamics measured with calcium imaging and electrophysiology. , 2020, 16, e1008198.		0
4	A comparison of neuronal population dynamics measured with calcium imaging and electrophysiology. , 2020, 16, e1008198.		0
5	A comparison of neuronal population dynamics measured with calcium imaging and electrophysiology. , 2020, 16, e1008198.		0
6	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. Science, 2019, 365, 699-704.	6.0	362
7	A Map of Anticipatory Activity in Mouse Motor Cortex. Neuron, 2017, 94, 866-879.e4.	3.8	204
8	Flow of Information Underlying a Tactile Decision in Mice. Research and Perspectives in Neurosciences, 2016, , 35-41.	0.4	0
9	Neuronal Representation of Ultraviolet Visual Stimuli in Mouse Primary Visual Cortex. Scientific Reports, 2015, 5, 12597.	1.6	36
10	A motor cortex circuit for motor planning and movement. Nature, 2015, 519, 51-56.	13.7	474
11	Comprehensive imaging of cortical networks. Current Opinion in Neurobiology, 2015, 32, 115-123.	2.0	109
12	Optimized ratiometric calcium sensors for functional in vivo imaging of neurons and T lymphocytes. Nature Methods, 2014, 11, 175-182.	9.0	319
13	Multiplexed aberration measurement for deep tissue imaging in vivo. Nature Methods, 2014, 11, 1037-1040.	9.0	125
14	Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo. PLoS ONE, 2014, 9, e108697.	1.1	506
15	Ultrasensitive fluorescent proteins for imaging neuronal activity. Nature, 2013, 499, 295-300.	13.7	5,490
16	An optimized fluorescent probe for visualizing glutamate neurotransmission. Nature Methods, 2013, 10, 162-170.	9.0	827
17	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. Frontiers in Molecular Neuroscience, 2013, 6, 2.	1.4	629
18	A Neuron-Based Screening Platform for Optimizing Genetically-Encoded Calcium Indicators. PLoS ONE, 2013, 8, e77728.	1.1	66

#	ARTICLE	IF	CITATIONS
19	A Cre-Dependent GCaMP3 Reporter Mouse for Neuronal Imaging <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2012, 32, 3131-3141.	1.7	341
20	Optimization of a GCaMP Calcium Indicator for Neural Activity Imaging. <i>Journal of Neuroscience</i> , 2012, 32, 13819-13840.	1.7	1,099
21	Odor coding by modules of coherent mitral/tufted cells in the vertebrate olfactory bulb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2401-2406.	3.3	31
22	Activity Correlation Imaging: Visualizing Function and Structure of Neuronal Populations. <i>Biophysical Journal</i> , 2009, 96, 3801-3809.	0.2	44
23	Cell type-specific relationships between spiking and [Ca <sup>2+</sup> ] <sub>i</sub> in neurons of the <i>Xenopus</i> tadpole olfactory bulb. <i>Journal of Physiology</i> , 2007, 582, 163-175.	1.3	29
24	Response profiles to amino acid odorants of olfactory glomeruli in larval <i>Xenopus laevis</i> . <i>Journal of Physiology</i> , 2007, 581, 567-579.	1.3	23
25	In Situ Background Estimation in Quantitative Fluorescence Imaging. <i>Biophysical Journal</i> , 2006, 90, 2534-2547.	0.2	29