

# Da-Ting Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,970  
citations

279798

23  
h-index

214800

47  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synapse-specific regulation of AMPA receptor function by PSD-95. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19535-19540.	7.1	320
2	Regulation of AMPA receptor extrasynaptic insertion by 4.1N, phosphorylation and palmitoylation. Nature Neuroscience, 2009, 12, 879-887.	14.8	317
3	Excess of De Novo Deleterious Mutations in Genes Associated with Glutamatergic Systems in Nonsyndromic Intellectual Disability. American Journal of Human Genetics, 2011, 88, 306-316.	6.2	310
4	Spatially Compact Neural Clusters in the Dorsal Striatum Encode Locomotion Relevant Information. Neuron, 2016, 92, 202-213.	8.1	260
5	Mitochondrial Targeted Cyclophilin D Protects Cells from Cell Death by Peptidyl Prolyl Isomerization. Journal of Biological Chemistry, 2002, 277, 31134-31141.	3.4	162
6	PICK1 and Phosphorylation of the Glutamate Receptor 2 (GluR2) AMPA Receptor Subunit Regulates GluR2 Recycling after NMDA Receptor-Induced Internalization. Journal of Neuroscience, 2007, 27, 13903-13908.	3.6	150
7	Visualization of NMDA receptor-dependent AMPA receptor synaptic plasticity in vivo. Nature Neuroscience, 2015, 18, 402-407.	14.8	143
8	Hyperactive somatostatin interneurons contribute to excitotoxicity in neurodegenerative disorders. Nature Neuroscience, 2016, 19, 557-559.	14.8	125
9	Distinct and Dynamic ON and OFF Neural Ensembles in the Prefrontal Cortex Code Social Exploration. Neuron, 2018, 100, 700-714.e9.	8.1	103
10	Multi-Photon Laser Scanning Microscopy Using an Acoustic Optical Deflector. Biophysical Journal, 2002, 83, 2292-2299.	0.5	95
11	Plasma membrane insertion of the AMPA receptor GluA2 subunit is regulated by NSF binding and Q/R editing of the ion pore. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11080-11085.	7.1	76
12	Rapid and bi-directional regulation of AMPA receptor phosphorylation and trafficking by JNK. EMBO Journal, 2008, 27, 361-372.	7.8	71
13	CYP3A5 Mediates Effects of Cocaine on Human Neocortico genesis: Studies using an In Vitro 3D Self-Organized hPSC Model with a Single Cortex-Like Unit. Neuropsychopharmacology, 2017, 42, 774-784.	5.4	68
14	Miniscope GRIN Lens System for Calcium Imaging of Neuronal Activity from Deep Brain Structures in Behaving Animals. Current Protocols in Neuroscience, 2019, 86, e56.	2.6	66
15	Ca <sup>2+</sup> signaling, mitochondria and sensitivity to oxidative stress in aging astrocytes. Neurobiology of Aging, 2007, 28, 99-111.	3.1	65
16	GRIP1 and 2 regulate activity-dependent AMPA receptor recycling via exocyst complex interactions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19038-19043.	7.1	64
17	Differential vesicular sorting of AMPA and GABA receptors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E922-31.	7.1	58
18	Purinergic Receptor-Stimulated IP <sub>3</sub> -Mediated Ca <sup>2+</sup> Release Enhances Neuroprotection by Increasing Astrocyte Mitochondrial Metabolism during Aging. Journal of Neuroscience, 2007, 27, 6510-6520.	3.6	56

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19	A wireless miniScope for deep brain imaging in freely moving mice. <i>Journal of Neuroscience Methods</i> , 2019, 323, 56-60.	2.5	53
20	Distinct Connectivity and Functionality of Aldehyde Dehydrogenase 1a1-Positive Nigrostriatal Dopaminergic Neurons in Motor Learning. <i>Cell Reports</i> , 2019, 28, 1167-1181.e7.	6.4	47
21	A Miniature, Fiber-Coupled, Wireless, Deep-Brain Optogenetic Stimulator. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 655-664.	4.9	42
22	Association of novelty-related behaviors and intravenous cocaine self-administration in Diversity Outbred mice. <i>Psychopharmacology</i> , 2015, 232, 1011-1024.	3.1	39
23	Identification of Two Functionally Distinct Endosomal Recycling Pathways for Dopamine D <sub>2</sub> Receptor. <i>Journal of Neuroscience</i> , 2012, 32, 7178-7190.	3.6	35
24	Circuit Mechanisms of Neurodegenerative Diseases: A New Frontier With Miniature Fluorescence Microscopy. <i>Frontiers in Neuroscience</i> , 2019, 13, 1174.	2.8	22
25	Anterograde transneuronal tracing and genetic control with engineered yellow fever vaccine YFV-17D. <i>Nature Methods</i> , 2021, 18, 1542-1551.	19.0	17
26	Characterization of operant social interaction in rats: effects of access duration, effort, peer familiarity, housing conditions, and choice between social interaction vs. food or remifentanyl. <i>Psychopharmacology</i> , 2022, 239, 2093-2108.	3.1	17
27	The Topographical Arrangement of Cutoff Spatial Frequencies across Lower and Upper Visual Fields in Mouse V1. <i>Scientific Reports</i> , 2015, 5, 7734.	3.3	15
28	Structure-Activity Investigation of a G Protein-Biased Agonist Reveals Molecular Determinants for Biased Signaling of the D2 Dopamine Receptor. <i>Frontiers in Synaptic Neuroscience</i> , 2018, 10, 2.	2.5	14
29	The acute effect of cannabis on plasma, liver and brain ammonia dynamics, a translational study. <i>European Neuropsychopharmacology</i> , 2017, 27, 679-690.	0.7	13
30	BDNF rescues prefrontal dysfunction elicited by pyramidal neuron-specific DTNBP1 deletion <i>in vivo</i> . <i>Journal of Molecular Cell Biology</i> , 2017, 9, 117-131.	3.3	13
31	Cyclophilin D over-expression increases mitochondrial complex III activity and accelerates supercomplex formation. <i>Archives of Biochemistry and Biophysics</i> , 2017, 613, 61-68.	3.0	12
32	Imaging Glioma Initiation <i>In Vivo</i> Through a Polished and Reinforced Thin-skull Cranial Window. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	10
33	A Two-Step GRIN Lens Coating for In Vivo Brain Imaging. <i>Neuroscience Bulletin</i> , 2019, 35, 419-424.	2.9	10
34	An open-source automated surgical instrument for microendoscope implantation. <i>Journal of Neuroscience Methods</i> , 2019, 311, 83-88.	2.5	10
35	Detailed mapping of behavior reveals the formation of prelimbic neural ensembles across operant learning. <i>Neuron</i> , 2022, 110, 674-685.e6.	8.1	10
36	Imaging pHluorin-tagged Receptor Insertion to the Plasma Membrane in Primary Cultured Mouse Neurons. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	9

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37	Online learning in neural decoding using incremental linear discriminant analysis. , 2017, , .		7
38	Decoding Brain States Based on Microcircuits. , 2018, , .		7
39	An open source motorized swivel for in vivo neural and behavioral recordings. MethodsX, 2020, 7, 101167.	1.6	6
40	Real-Time Neuron Detection and Neural Signal Extraction Platform for Miniature Calcium Imaging. Frontiers in Computational Neuroscience, 2020, 14, 43.	2.1	6
41	Multiphoton Laser Scanning Microscopy as a Tool for Xenopus Oocyte Research. Methods in Molecular Biology, 2006, 322, 87-101.	0.9	6
42	Real-Time Calcium Imaging Based Neural Decoding with a Support Vector Machine. , 2019, , .		5
43	Imaging the Insertion of Superecliptic pHluorin-Labelled Dopamine D2 Receptor Using Total Internal Reflection Fluorescence Microscopy. Current Protocols in Neuroscience, 2015, 70, 5.31.1-5.31.20.	2.6	4
44	Neural decoding on imbalanced calcium imaging data with a network of support vector machines. Advanced Robotics, 2021, 35, 459-470.	1.8	4
45	Striatal direct pathway neurons play leading roles in accelerating rotarod motor skill learning. IScience, 2022, 25, 104245.	4.1	4
46	Dysbindin-1, BDNF, and GABAergic Transmission in Schizophrenia. Frontiers in Psychiatry, 0, 13, .	2.6	4
47	Learning Compact DNN Models for Behavior Prediction from Neural Activity of Calcium Imaging. Journal of Signal Processing Systems, 2022, 94, 455-472.	2.1	3
48	Circuit Investigation of Social Interaction and Substance Use Disorder Using Miniscopes. Frontiers in Neural Circuits, 2021, 15, 762441.	2.8	3
49	Aberrant neural activity in prefrontal pyramidal neurons lacking TDP-43 precedes neuron loss. Progress in Neurobiology, 2022, 215, 102297.	5.7	3
50	An open-source capacitive touch sensing device for three chamber social behavior test. MethodsX, 2020, 7, 101024.	1.6	2
51	Practical guide for constructing a pulse compressor used in multiphoton microscopy. , 2001, 4262, 111.		1
52	Excess of De Novo Deleterious Mutations in Genes Associated with Glutamatergic Systems in Nonsyndromic Intellectual Disability. American Journal of Human Genetics, 2011, 88, 516.	6.2	1
53	Dynamic micro-circuit analysis for calcium imaging data. , 2017, , .		1
54	Thinned-skulled Cranial Window Preparation (Mice). Bio-protocol, 2017, 7, e2158.	0.4	0