

Jonathan T Ting

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

7,416
citations

147801

31
h-index

265206

42
g-index

68
all docs

68
docs citations

68
times ranked

10439
citing authors

#	ARTICLE	IF	CITATIONS
1	Shank3 mutant mice display autistic-like behaviours and striatal dysfunction. <i>Nature</i> , 2011, 472, 437-442.	27.8	1,273
2	Flow of Cortical Activity Underlying a Tactile Decision in Mice. <i>Neuron</i> , 2014, 81, 179-194.	8.1	622
3	Cell type-specific channelrhodopsin-2 transgenic mice for optogenetic dissection of neural circuitry function. <i>Nature Methods</i> , 2011, 8, 745-752.	19.0	605
4	A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. <i>Cell</i> , 2018, 174, 465-480.e22.	28.9	571
5	Acute Brain Slice Methods for Adult and Aging Animals: Application of Targeted Patch Clamp Analysis and Optogenetics. <i>Methods in Molecular Biology</i> , 2014, 1183, 221-242.	0.9	533
6	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	27.8	361
7	Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1182-1195.	14.8	333
8	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	27.8	316
9	Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. <i>Cell</i> , 2020, 183, 935-953.e19.	28.9	290
10	Selective optical drive of thalamic reticular nucleus generates thalamic bursts and cortical spindles. <i>Nature Neuroscience</i> , 2011, 14, 1118-1120.	14.8	248
11	Preparation of Acute Brain Slices Using an Optimized &Nt;/em>-Methyl-D-glucamine Protective Recovery Method. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	182
12	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	27.8	160
13	The ethics of experimenting with human brain tissue. <i>Nature</i> , 2018, 556, 429-432.	27.8	139
14	h-Channels Contribute to Divergent Intrinsic Membrane Properties of Supragranular Pyramidal Neurons in Human versus Mouse Cerebral Cortex. <i>Neuron</i> , 2018, 100, 1194-1208.e5.	8.1	134
15	Amyloid precursor protein overexpression depresses excitatory transmission through both presynaptic and postsynaptic mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 353-358.	7.1	119
16	Neurobiology of obsessive-compulsive disorder: insights into neural circuitry dysfunction through mouse genetics. <i>Current Opinion in Neurobiology</i> , 2011, 21, 842-848.	4.2	113
17	Functional Consequences of Mutations in Postsynaptic Scaffolding Proteins and Relevance to Psychiatric Disorders. <i>Annual Review of Neuroscience</i> , 2012, 35, 49-71.	10.7	103
18	Glutamatergic Synaptic Dysfunction and Obsessive-Compulsive Disorder. <i>Current Chemical Genomics</i> , 2008, 2, 62-75.	2.0	102

#	ARTICLE	IF	CITATIONS
19	An Ultra-Sensitive Step-Function Opsin for Minimally Invasive Optogenetic Stimulation in Mice and Macaques. <i>Neuron</i> , 2020, 107, 38-51.e8.	8.1	99
20	Enhancer viruses for combinatorial cell-subclass-specific labeling. <i>Neuron</i> , 2021, 109, 1449-1464.e13.	8.1	93
21	Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. <i>Cell Reports</i> , 2021, 34, 108754.	6.4	88
22	Sapap3 Deletion Anomalously Activates Short-Term Endocannabinoid-Mediated Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2011, 31, 9563-9573.	3.6	78
23	A robust <i>ex vivo</i> experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. <i>Scientific Reports</i> , 2018, 8, 8407.	3.3	77
24	Transcriptomic evidence that von Economo neurons are regionally specialized extratelencephalic-projecting excitatory neurons. <i>Nature Communications</i> , 2020, 11, 1172.	12.8	70
25	Next-generation transgenic mice for optogenetic analysis of neural circuits. <i>Frontiers in Neural Circuits</i> , 2013, 7, 160.	2.8	62
26	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	8.1	54
27	Development of transgenic animals for optogenetic manipulation of mammalian nervous system function: Progress and prospects for behavioral neuroscience. <i>Behavioural Brain Research</i> , 2013, 255, 3-18.	2.2	49
28	Transgenic labeling of parvalbumin-expressing neurons with tdTomato. <i>Neuroscience</i> , 2016, 321, 236-245.	2.3	43
29	Single-Cell Profiling of an <i>In Vitro</i> Model of Human Interneuron Development Reveals Temporal Dynamics of Cell Type Production and Maturation. <i>Neuron</i> , 2017, 93, 1035-1048.e5.	8.1	43
30	Capture of Dense Core Vesicles at Synapses by JNK-Dependent Phosphorylation of Synaptotagmin-4. <i>Cell Reports</i> , 2017, 21, 2118-2133.	6.4	39
31	Distinctive Structural and Molecular Features of Myelinated Inhibitory Axons in Human Neocortex. <i>ENeuro</i> , 2018, 5, ENEURO.0297-18.2018.	1.9	35
32	Synaptotagmin IV Does Not Alter Excitatory Fast Synaptic Transmission or Fusion Pore Kinetics in Mammalian CNS Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 372-380.	3.6	34
33	SnapShot: Autism and the Synapse. <i>Cell</i> , 2011, 147, 706-706.e1.	28.9	34
34	Recombineering strategies for developing next generation BAC transgenic tools for optogenetics and beyond. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 111.	2.0	34
35	Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. <i>ELife</i> , 2021, 10, .	6.0	33
36	SmartScope2: Simultaneous Imaging and Reconstruction of Neuronal Morphology. <i>Scientific Reports</i> , 2017, 7, 9325.	3.3	8

#	ARTICLE	IF	CITATIONS
37	Two eARCHT3.0 Lines for Optogenetic Silencing of Dopaminergic and Serotonergic Neurons. <i>Frontiers in Neural Circuits</i> , 2019, 13, 4.	2.8	5
38	Functional Enhancer Elements Drive Subclass-Selective Expression from Mouse to Primate Neocortex. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
39	Improving the Efficacy and Accessibility of Intracranial Viral Vector Delivery in Non-Human Primates. <i>Pharmaceutics</i> , 2022, 14, 1435.	4.5	4
40	Unfolding neurodevelopmental disorders: Found in translation. <i>Nature Medicine</i> , 2011, 17, 1352-1353.	30.7	3
41	Toward an Integrated Classification of Cell Types: Morphoelectric and Transcriptomic Characterization of Individual GABAergic Cortical Neurons. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
42	A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain Cell Type Targeting and Functionality. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
43	Nonglobal Homeostatic Synaptic Plasticity?. <i>Journal of Neuroscience</i> , 2006, 26, 10937-10938.	3.6	1
44	Injections of AAV Vectors for Optogenetics in Anesthetized and Awake Behaving Non-Human Primate Brain. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
45	Targeting Beta-Arrestin Dependent Signaling in the Treatment of Parkinson's Disease. , 2014, , 103-104.		0
46	An Ultra-Sensitive Step-Function Opsin for Minimally Invasive Optogenetic Stimulation in Mice and Macaques. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0