

Jonathan T Ting

List of Publications by Year in descending order

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46
papers

7,416
citations

147566

31
h-index

264894

42
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68
all docs

68
docs citations

68
times ranked

10439
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Efficacy and Accessibility of Intracranial Viral Vector Delivery in Non-Human Primates. <i>Pharmaceutics</i> , 2022, 14, 1435.	2.0	4
2	Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. <i>Cell Reports</i> , 2021, 34, 108754.	2.9	88
3	Enhancer viruses for combinatorial cell-subclass-specific labeling. <i>Neuron</i> , 2021, 109, 1449-1464.e13.	3.8	93
4	Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. <i>ELife</i> , 2021, 10, .	2.8	33
5	Injections of AAV Vectors for Optogenetics in Anesthetized and Awake Behaving Non-Human Primate Brain. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
6	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	3.8	54
7	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	13.7	160
8	Comparative cellular analysis of motor cortex in human, marmoset and mouse. <i>Nature</i> , 2021, 598, 111-119.	13.7	361
9	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021, 598, 86-102.	13.7	316
10	Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. <i>Cell</i> , 2020, 183, 935-953.e19.	13.5	290
11	An Ultra-Sensitive Step-Function Opsin for Minimally Invasive Optogenetic Stimulation in Mice and Macaques. <i>Neuron</i> , 2020, 107, 38-51.e8.	3.8	99
12	Transcriptomic evidence that von Economo neurons are regionally specialized extratelencephalic-projecting excitatory neurons. <i>Nature Communications</i> , 2020, 11, 1172.	5.8	70
13	Classification of electrophysiological and morphological neuron types in the mouse visual cortex. <i>Nature Neuroscience</i> , 2019, 22, 1182-1195.	7.1	333
14	Two eARCHT3.0 Lines for Optogenetic Silencing of Dopaminergic and Serotonergic Neurons. <i>Frontiers in Neural Circuits</i> , 2019, 13, 4.	1.4	5
15	Preparation of Acute Brain Slices Using an Optimized &N-Methyl-D-glucamine Protective Recovery Method. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	182
16	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.	3.8	134
17	A robust ex vivo experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. <i>Scientific Reports</i> , 2018, 8, 8407.	1.6	77
18	The ethics of experimenting with human brain tissue. <i>Nature</i> , 2018, 556, 429-432.	13.7	139

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19	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.	13.5	571
20	Distinctive Structural and Molecular Features of Myelinated Inhibitory Axons in Human Neocortex. <i>ENeuro</i> , 2018, 5, ENEURO.0297-18.2018.	0.9	35
21	Single-Cell Profiling of an InÂVitro Model of Human Interneuron Development Reveals Temporal Dynamics of Cell Type Production and Maturation. <i>Neuron</i> , 2017, 93, 1035-1048.e5.	3.8	43
22	SmartScope2: Simultaneous Imaging and Reconstruction of Neuronal Morphology. <i>Scientific Reports</i> , 2017, 7, 9325.	1.6	8
23	Capture of Dense Core Vesicles at Synapses by JNK-Dependent Phosphorylation of Synaptotagmin-4. <i>Cell Reports</i> , 2017, 21, 2118-2133.	2.9	39
24	Transgenic labeling of parvalbumin-expressing neurons with tdTomato. <i>Neuroscience</i> , 2016, 321, 236-245.	1.1	43
25	Recombineering strategies for developing next generation BAC transgenic tools for optogenetics and beyond. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 111.	1.0	34
26	Flow of Cortical Activity Underlying a Tactile Decision in Mice. <i>Neuron</i> , 2014, 81, 179-194.	3.8	622
27	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.	0.4	533
28	Targeting Beta-Arrestin Dependent Signaling in the Treatment of Parkinsonâ€™s Disease. , 2014, , 103-104.		0
29	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.	1.2	49
30	Next-generation transgenic mice for optogenetic analysis of neural circuits. <i>Frontiers in Neural Circuits</i> , 2013, 7, 160.	1.4	62
31	Functional Consequences of Mutations in Postsynaptic Scaffolding Proteins and Relevance to Psychiatric Disorders. <i>Annual Review of Neuroscience</i> , 2012, 35, 49-71.	5.0	103
32	Cell typeâ€™specific channelrhodopsin-2 transgenic mice for optogenetic dissection of neural circuitry function. <i>Nature Methods</i> , 2011, 8, 745-752.	9.0	605
33	Unfolding neurodevelopmental disorders: Found in translation. <i>Nature Medicine</i> , 2011, 17, 1352-1353.	15.2	3
34	Selective optical drive of thalamic reticular nucleus generates thalamic bursts and cortical spindles. <i>Nature Neuroscience</i> , 2011, 14, 1118-1120.	7.1	248
35	Shank3 mutant mice display autistic-like behaviours and striatal dysfunction. <i>Nature</i> , 2011, 472, 437-442.	13.7	1,273
36	Neurobiology of obsessiveâ€™compulsive disorder: insights into neural circuitry dysfunction through mouse genetics. <i>Current Opinion in Neurobiology</i> , 2011, 21, 842-848.	2.0	113

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37	SnapShot: Autism and the Synapse. <i>Cell</i> , 2011, 147, 706-706.e1.	13.5	34
38	Sapap3 Deletion Anomalously Activates Short-Term Endocannabinoid-Mediated Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2011, 31, 9563-9573.	1.7	78
39	Glutamatergic Synaptic Dysfunction and Obsessive-Compulsive Disorder. <i>Current Chemical Genomics</i> , 2008, 2, 62-75.	2.0	102
40	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.	3.3	119
41	Nonglobal Homeostatic Synaptic Plasticity?. <i>Journal of Neuroscience</i> , 2006, 26, 10937-10938.	1.7	1
42	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.	1.7	34
43	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
44	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
45	Functional Enhancer Elements Drive Subclass-Selective Expression from Mouse to Primate Neocortex. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
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