Joshua T Trachtenberg

List of Publications by Year
in descending order

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39 papers	7,646 citations	201385 27 h-index	301761 39 g-index
42 all docs	42 docs citations	42 times ranked	8706 citing authors

#	Article	IF	Citations
1	Vision-dependent specification of cell types and function in the developing cortex. Cell, 2022, 185, 311-327.e24.	13.5	45
2	The Development of Receptive Field Tuning Properties in Mouse Binocular Primary Visual Cortex. Journal of Neuroscience, 2022, 42, 3546-3556.	1.7	11
3	Vision is required for the formation of binocular neurons prior to the classical critical period. Current Biology, 2021, 31, 4305-4313.e5.	1.8	15
4	Vision Changes the Cellular Composition of Binocular Circuitry during the Critical Period. Neuron, 2020, 108, 735-747.e6.	3.8	32
5	State-Dependent Subnetworks of Parvalbumin-Expressing Interneurons in Neocortex. Cell Reports, 2019, 26, 2282-2288.e3.	2.9	28
6	Neuromodulatory control of localized dendritic spiking in critical period cortex. Nature, 2019, 567, 100-104.	13.7	66
7	Hotspots of dendritic spine turnover facilitate clustered spine addition and learning and memory. Nature Communications, 2018, 9, 422.	5.8	131
8	Local tuning biases in mouse primary visual cortex. Journal of Neurophysiology, 2018, 120, 274-280.	0.9	33
9	An inhibitory pullâ€“push circuit in frontal cortex. Nature Neuroscience, 2017, 20, 389-392.	7.1	90
10	Pten and EphB4 regulate the establishment of perisomatic inhibition in mouse visual cortex. Nature Communications, 2016, 7, 12829.	5.8	10
11	Spatial clustering of tuning in mouse primary visual cortex. Nature Communications, 2016, 7, 12270.	5.8	102
12	Enhanced Spatial Resolution During Locomotion and Heightened Attention in Mouse Primary Visual Cortex. Journal of Neuroscience, 2016, 36, 6382-6392.	1.7	122
13	The Autism Related Protein Contactin-Associated Protein-Like 2 (CNTNAP2) Stabilizes New Spines: An In Vivo Mouse Study. PLoS ONE, 2015, 10, e0125633.	1.1	68
14	Competition, inhibition, and critical periods of cortical plasticity. Current Opinion in Neurobiology, 2015, 35, 44-48.	2.0	39
15	Parvalbumin Interneurons: All Forest, No Trees. Neuron, 2015, 87, 247-248.	3.8	6
16	Encoding and storage of spatial information in the retrosplenial cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8661-8666.	3.3	189
17	A disinhibitory microcircuit initiates critical-period plasticity in the visual cortex. Nature, 2013, 501, 543-546.	13.7	353
18	Overexpression of calcium-activated potassium channels underlies cortical dysfunction in a model of PTEN -associated autism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18297-18302.	3.3	32

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19	Pattern and not magnitude of neural activity determines dendritic spine stability in awake mice. Nature Neuroscience, 2012, 15, 949-951.	7.1	20
20	Associative Fear Learning Enhances Sparse Network Coding in Primary Sensory Cortex. Neuron, 2012, 75, 121-132.	3.8	92
21	Fast-spiking interneurons have an initial orientation bias that is lost with vision. Nature Neuroscience, 2011, 14, 1121-1123.	7.1	97
22	Absence of CNTNAP2 Leads to Epilepsy, Neuronal Migration Abnormalities, and Core Autism-Related Deficits. Cell, 2011, 147, 235-246.	13.5	870
23	The Refinement of Ipsilateral Eye Retinotopic Maps Is Increased by Removing the Dominant Contralateral Eye in Adult Mice. PLoS ONE, 2010, 5, e9925.	1.1	9
24	Ipsilateral Eye Cortical Maps Are Uniquely Sensitive to Binocular Plasticity. Journal of Neurophysiology, 2009, 101, 855-861.	0.9	32
25	MDL Constrained 3-D Grayscale Skeletonization Algorithm for Automated Extraction of Dendrites and Spines from Fluorescence Confocal Images. Neuroinformatics, 2009, 7, 213-232.	1.5	53
26	Laminar and compartmental regulation of dendritic growth in mature cortex. Nature Neuroscience, 2009, 12, 116-118.	7.1	111
27	A protocol for preparing GFP-labeled neurons previously imaged in vivo and in slice preparations for light and electron microscopic analysis. Nature Protocols, 2009, 4, 1145-1156.	5.5	71
28	Long-term, high-resolution imaging in the mouse neocortex through a chronic cranial window. Nature Protocols, 2009, 4, 1128-1144.	5.5	894
29	Î´-Catenin Is Required for the Maintenance of Neural Structure and Function in Mature Cortex In Vivo. Neuron, 2009, 64, 320-327.	3.8	79
30	Long-Term, High-Resolution Imaging in the Neocortex In Vivo. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot4902.	0.2	4
31	Experience-dependent binocular competition in the visual cortex begins at eye opening. Nature Neuroscience, 2007, 10, 370-375.	7.1	129
32	Transient and Persistent Dendritic Spines in the Neocortex In Vivo. Neuron, 2005, 45, 279-291.	3.8	1,003
33	Long-term in vivo imaging of experience-dependent synaptic plasticity in adult cortex. Nature, 2002, 420, 788-794.	13.7	1,706
34	Rapid Anatomical Plasticity of Horizontal Connections in the Developing Visual Cortex. Journal of Neuroscience, 2001, 21, 3476-3482.	1.7	197
35	The Critical Period for Ocular Dominance Plasticity in the Ferretâ€™s Visual Cortex. Journal of Neuroscience, 1999, 19, 6965-6978.	1.7	214
36	Nerve Terminal Withdrawal from Rat Neuromuscular Junctions Induced by Neuregulin and Schwann Cells. Journal of Neuroscience, 1997, 17, 6243-6255.	1.7	105

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37	Glial Growth Factor Rescues Schwann Cells of Mechanoreceptors from Denervation-Induced Apoptosis. Journal of Neuroscience, 1997, 17, 6697-6706.	1.7	92
38	Schwann cells induce and guide sprouting and reinnervation of neuromuscular junctions. Trends in Neurosciences, 1996, 19, 280-285.	4.2	218
39	Schwann cell apoptosis at developing neuromuscular junctions is regulated by glial growth factor. Nature, 1996, 379, 174-177.	13.7	274