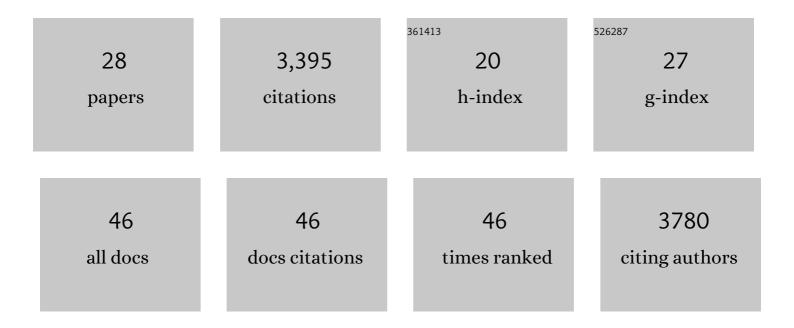
Hillel Adesnik

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4213793/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Three-dimensional multi-site random access photostimulation (3D-MAP). ELife, 2022, 11, .	6.0	8
2	High-performance microbial opsins for spatially and temporally precise perturbations of large neuronal networks. Neuron, 2022, 110, 1139-1155.e6.	8.1	47
3	Ultrasound activates mechanosensitive TRAAK K ⁺ channels through the lipid membrane. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	76
4	Spatial integration during active tactile sensation drives orientation perception. Neuron, 2021, 109, 1707-1720.e7.	8.1	8
5	NDNF interneurons, Spartans of the cortical column: Small in number, strong in impact. Neuron, 2021, 109, 2041-2042.	8.1	0
6	Probing neural codes with two-photon holographic optogenetics. Nature Neuroscience, 2021, 24, 1356-1366.	14.8	79
7	Synthesis of a comprehensive population code for contextual features in the awake sensory cortex. ELife, 2021, 10, .	6.0	16
8	Precision multidimensional neural population code recovered from single intracellular recordings. Scientific Reports, 2020, 10, 15997.	3.3	2
9	Superficial Layers Suppress the Deep Layers to Fine-tune Cortical Coding. Journal of Neuroscience, 2019, 39, 2052-2064.	3.6	36
10	Complementary networks of cortical somatostatin interneurons enforce layer specific control. ELife, 2019, 8, .	6.0	89
11	Cell Type-Specific Optogenetic Dissection of Brain Rhythms. Trends in Neurosciences, 2018, 41, 122-124.	8.6	7
12	Layerâ€specific excitation/inhibition balances during neuronal synchronization in the visual cortex. Journal of Physiology, 2018, 596, 1639-1657.	2.9	45
13	Precise multimodal optical control of neural ensemble activity. Nature Neuroscience, 2018, 21, 881-893.	14.8	222
14	Cracking the Function of Layers in the Sensory Cortex. Neuron, 2018, 100, 1028-1043.	8.1	90
15	A neural circuit for gamma-band coherence across the retinotopic map in mouse visual cortex. ELife, 2018, 7, .	6.0	39
16	Cortical gamma band synchronization through somatostatin interneurons. Nature Neuroscience, 2017, 20, 951-959.	14.8	301
17	Surround Integration Organizes a Spatial Map during Active Sensation. Neuron, 2017, 94, 1220-1233.e5.	8.1	51
18	Three-dimensional scanless holographic optogenetics with temporal focusing (3D-SHOT). Nature Communications, 2017, 8, 1228.	12.8	168

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#	Article	IF	CITATIONS
19	Synaptic Mechanisms of Feature Coding in the Visual Cortex of Awake Mice. Neuron, 2017, 95, 1147-1159.e4.	8.1	98
20	3D computer-generated holography by non-convex optimization. Optica, 2017, 4, 1306.	9.3	143
21	Inhibitory Circuits in Cortical Layer 5. Frontiers in Neural Circuits, 2016, 10, 35.	2.8	103
22	Compressive light-field microscopy for 3D neural activity recording. Optica, 2016, 3, 517.	9.3	146
23	Bayesian methods for event analysis of intracellular currents. Journal of Neuroscience Methods, 2016, 269, 21-32.	2.5	14
24	A direct translaminar inhibitory circuit tunes cortical output. Nature Neuroscience, 2015, 18, 1631-1640.	14.8	105
25	A Comprehensive Optogenetic Pharmacology Toolkit for InÂVivo Control of GABA A Receptors and Synaptic Inhibition. Neuron, 2015, 88, 879-891.	8.1	69
26	A neural circuit for spatial summation in visual cortex. Nature, 2012, 490, 226-231.	27.8	580
27	Gain control by layer six in cortical circuits of vision. Nature, 2012, 483, 47-52.	27.8	451
28	Lateral competition for cortical space by layer-specific horizontal circuits. Nature, 2010, 464, 1155-1160.	27.8	328