

# Aman B Saleem

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

3,175  
citations

516710

16  
h-index

580821

25  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasticity in visual cortex is disrupted in a mouse model of tauopathy. <i>Communications Biology</i> , 2022, 5, 77.	4.4	17
2	Functional Organisation of the Mouse Superior Colliculus. <i>Frontiers in Neural Circuits</i> , 2022, 16, .	2.8	16
3	Spatial modulation of visual responses arises in cortex with active navigation. <i>ELife</i> , 2021, 10, .	6.0	32
4	Creating and controlling visual environments using BonVision. <i>ELife</i> , 2021, 10, .	6.0	20
5	Organization of feedback projections to mouse primary visual cortex. <i>IScience</i> , 2021, 24, 102450.	4.1	10
6	Spatial modulation of dark versus bright stimulus responses in the mouse visual system. <i>Current Biology</i> , 2021, 31, 4172-4179.e6.	3.9	26
7	Feature selectivity can explain mismatch signals in mouse visual cortex. <i>Cell Reports</i> , 2021, 37, 109772.	6.4	21
8	Mouse Visual Cortex Is Modulated by Distance Traveled and by Theta Oscillations. <i>Current Biology</i> , 2020, 30, 3811-3817.e6.	3.9	47
9	Two stream hypothesis of visual processing for navigation in mouse. <i>Current Opinion in Neurobiology</i> , 2020, 64, 70-78.	4.2	34
10	Layer-specific integration of locomotion and sensory information in mouse barrel cortex. <i>Nature Communications</i> , 2019, 10, 2585.	12.8	92
11	Coherent encoding of subjective spatial position in visual cortex and hippocampus. <i>Nature</i> , 2018, 562, 124-127.	27.8	197
12	Subcortical Source and Modulation of the Narrowband Gamma Oscillation in Mouse Visual Cortex. <i>Neuron</i> , 2017, 93, 315-322.	8.1	140
13	Choosing the right bar: a complex problem. <i>Nature Neuroscience</i> , 2017, 20, 1323-1324.	14.8	0
14	Sensation during Active Behaviors. <i>Journal of Neuroscience</i> , 2017, 37, 10826-10834.	3.6	82
15	Vision Guides Selection of Freeze or Flight Defense Strategies in Mice. <i>Current Biology</i> , 2016, 26, 2150-2154.	3.9	233
16	Spike sorting for large, dense electrode arrays. <i>Nature Neuroscience</i> , 2016, 19, 634-641.	14.8	671
17	Cortical State Determines Global Variability and Correlations in Visual Cortex. <i>Journal of Neuroscience</i> , 2015, 35, 170-178.	3.6	207
18	Hippocampal place cells construct reward related sequences through unexplored space. <i>ELife</i> , 2015, 4, e06063.	6.0	206

#	ARTICLE	IF	CITATIONS
19	Integration of visual motion and locomotion in mouse visual cortex. <i>Nature Neuroscience</i> , 2013, 16, 1864-1869.	14.8	353
20	Adaptation maintains population homeostasis in primary visual cortex. <i>Nature Neuroscience</i> , 2013, 16, 724-729.	14.8	140
21	Locomotion Controls Spatial Integration in Mouse Visual Cortex. <i>Current Biology</i> , 2013, 23, 890-894.	3.9	224
22	Bimodal Optomotor Response to Plaids in Blowflies: Mechanisms of Component Selectivity and Evidence for Pattern Selectivity. <i>Journal of Neuroscience</i> , 2012, 32, 1634-1642.	3.6	8
23	The Detection of Visual Contrast in the Behaving Mouse. <i>Journal of Neuroscience</i> , 2011, 31, 11351-11361.	3.6	292
24	Methods for predicting cortical UP and DOWN states from the phase of deep layer local field potentials. <i>Journal of Computational Neuroscience</i> , 2010, 29, 49-62.	1.0	61
25	Maximum entropy decoding of multivariate neural spike trains. <i>BMC Neuroscience</i> , 2009, 10, P107.	1.9	1
26	Receptive field characterization by spike-triggered independent component analysis. <i>Journal of Vision</i> , 2008, 8, 2-2.	0.3	11