

Mark L Andermann

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7125056/mark-l-andermann-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

4,859
citations

31
h-index

52
g-index

52
ext. papers

6,192
ext. citations

15.7
avg, IF

5.69
L-index

#	Paper	IF	Citations
42	History-dependent dopamine release increases cAMP levels in most basal amygdala glutamatergic neurons to control learning.. <i>Cell Reports</i> , 2022 , 38, 110297	10.6	0
41	Hypothalamic dopamine neurons motivate mating through persistent cAMP signalling. <i>Nature</i> , 2021 , 597, 245-249	50.4	6
40	Cellular activity in insular cortex across seconds to hours: Sensations and predictions of bodily states. <i>Neuron</i> , 2021 , 109, 3576-3593	13.9	4
39	Cortical reactivations of recent sensory experiences predict bidirectional network changes during learning. <i>Nature Neuroscience</i> , 2020 , 23, 981-991	25.5	10
38	Estimation of Current and Future Physiological States in Insular Cortex. <i>Neuron</i> , 2020 , 105, 1094-1111.e10	13.9	55
37	Inflammation of the Embryonic Choroid Plexus Barrier following Maternal Immune Activation. <i>Developmental Cell</i> , 2020 , 55, 617-628.e6	10.2	20
36	Tracking Calcium Dynamics and Immune Surveillance at the Choroid Plexus Blood-Cerebrospinal Fluid Interface. <i>Neuron</i> , 2020 , 108, 623-639.e10	13.9	17
35	Retinal Inputs to the Thalamus Are Selectively Gated by Arousal. <i>Current Biology</i> , 2020 , 30, 3923-3934.e6	9.3	12
34	State-specific gating of salient cues by midbrain dopaminergic input to basal amygdala. <i>Nature Neuroscience</i> , 2019 , 22, 1820-1833	25.5	34
33	Different Neuronal Activity Patterns Induce Different Gene Expression Programs. <i>Neuron</i> , 2018 , 98, 530-546.e12	25.5	129
32	Gating of visual processing by physiological need. <i>Current Opinion in Neurobiology</i> , 2018 , 49, 16-23	7.6	18
31	Intermingled Ensembles in Visual Association Cortex Encode Stimulus Identity or Predicted Outcome. <i>Neuron</i> , 2018 , 100, 900-915.e9	13.9	31
30	A Fine-Scale Functional Logic to Convergence from Retina to Thalamus. <i>Cell</i> , 2018 , 173, 1343-1355.e24	56.2	36
29	Homeostatic circuits selectively gate food cue responses in insular cortex. <i>Nature</i> , 2017 , 546, 611-616	50.4	149
28	Bidirectional Anticipation of Future Osmotic Challenges by Vasopressin Neurons. <i>Neuron</i> , 2017 , 93, 57-65.e12	13.9	47
27	Yummy or yucky? Ask your central amygdala. <i>Nature Neuroscience</i> , 2017 , 20, 1321-1322	25.5	2
26	Toward a Wiring Diagram Understanding of Appetite Control. <i>Neuron</i> , 2017 , 95, 757-778	13.9	240

25	Preemptive Stimulation of AgRP Neurons in Fed Mice Enables Conditioned Food Seeking under Threat. <i>Current Biology</i> , 2016 , 26, 2500-2507	6.3	28
24	Dynamic GABAergic afferent modulation of AgRP neurons. <i>Nature Neuroscience</i> , 2016 , 19, 1628-1635	25.5	99
23	Hunger-Dependent Enhancement of Food Cue Responses in Mouse Postrhinal Cortex and Lateral Amygdala. <i>Neuron</i> , 2016 , 91, 1154-1169	13.9	51
22	Arcuate hypothalamic AgRP and putative POMC neurons show opposite changes in spiking across multiple timescales. <i>ELife</i> , 2015 , 4,	8.9	137
21	Removable cranial windows for long-term imaging in awake mice. <i>Nature Protocols</i> , 2014 , 9, 2515-2538	18.8	201
20	Neurofibrillary tangle-bearing neurons are functionally integrated in cortical circuits in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 510-4	11.5	125
19	A mouse model of higher visual cortical function. <i>Current Opinion in Neurobiology</i> , 2014 , 24, 28-33	7.6	51
18	Imaging neuronal populations in behaving rodents: paradigms for studying neural circuits underlying behavior in the mammalian cortex. <i>Journal of Neuroscience</i> , 2013 , 33, 17631-40	6.6	52
17	Chronic cellular imaging of entire cortical columns in awake mice using microprisms. <i>Neuron</i> , 2013 , 80, 900-13	13.9	137
16	Cortico-cortical projections in mouse visual cortex are functionally target specific. <i>Nature Neuroscience</i> , 2013 , 16, 219-26	25.5	215
15	Control of arousal by the orexin neurons. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 752-9	7.6	85
14	Synaptic plasticity defect following visual deprivation in Alzheimer's disease model transgenic mice. <i>Journal of Neuroscience</i> , 2012 , 32, 8004-11	6.6	40
13	Functional specialization of mouse higher visual cortical areas. <i>Neuron</i> , 2011 , 72, 1025-39	13.9	277
12	Network anatomy and in vivo physiology of visual cortical neurons. <i>Nature</i> , 2011 , 471, 177-82	50.4	630
11	Short-term plasticity as a neural mechanism supporting memory and attentional functions. <i>Brain Research</i> , 2011 , 1422, 66-81	3.7	49
10	Broadly tuned response properties of diverse inhibitory neuron subtypes in mouse visual cortex. <i>Neuron</i> , 2010 , 67, 858-71	13.9	419
9	Chronic cellular imaging of mouse visual cortex during operant behavior and passive viewing. <i>Frontiers in Cellular Neuroscience</i> , 2010 , 4, 3	6.1	162
8	Embodied information processing: vibrissa mechanics and texture features shape micromotions in actively sensing rats. <i>Neuron</i> , 2008 , 57, 599-613	13.9	166

7	A somatotopic map of vibrissa motion direction within a barrel column. <i>Nature Neuroscience</i> , 2006 , 9, 543-51	25.5	113
6	Coupling of the cortical hemodynamic response to cortical and thalamic neuronal activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3822-7	11.5	190
5	Neuronal basis of optical imaging signals in sensory cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S683-S683	7.3	1
4	Neural correlates of vibrissa resonance; band-pass and somatotopic representation of high-frequency stimuli. <i>Neuron</i> , 2004 , 42, 451-63	13.9	102
3	Vibrissa resonance as a transduction mechanism for tactile encoding. <i>Journal of Neuroscience</i> , 2003 , 23, 6499-509	6.6	137
2	Simultaneous imaging of total cerebral hemoglobin concentration, oxygenation, and blood flow during functional activation. <i>Optics Letters</i> , 2003 , 28, 28-30	3	270
1	Coupling of total hemoglobin concentration, oxygenation, and neural activity in rat somatosensory cortex. <i>Neuron</i> , 2003 , 39, 353-9	13.9	310