

# Alex C Kwan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8219458/publications.pdf>

Version: 2024-02-01

32  
papers

2,349  
citations

394421

19  
h-index

434195

31  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Psychedelics. <i>Current Biology</i> , 2022, 32, R63-R67.	3.9	26
2	Pupil Correlates of Decision Variables in Mice Playing a Competitive Mixed-Strategy Game. <i>ENeuro</i> , 2022, 9, ENEURO.0457-21.2022.	1.9	6
3	Inhibitory regulation of calcium transients in prefrontal dendritic spines is compromised by a nonsense Shank3 mutation. <i>Molecular Psychiatry</i> , 2021, 26, 1945-1966.	7.9	15
4	A Dendrite-Focused Framework for Understanding the Actions of Ketamine and Psychedelics. <i>Trends in Neurosciences</i> , 2021, 44, 260-275.	8.6	58
5	Applying Reinforcement Learning to Rodent Stress Research. <i>Chronic Stress</i> , 2021, 5, 247054702098473.	3.4	6
6	Secondary motor cortex: Broadcasting and biasing animal's decisions through long-range circuits. <i>International Review of Neurobiology</i> , 2021, 158, 443-470.	2.0	15
7	Ketamine for a Boost of Neural Plasticity: How, but Also When?. <i>Biological Psychiatry</i> , 2021, 89, 1030-1032.	1.3	13
8	A visuomotor microcircuit in frontal cortex. <i>Nature Neuroscience</i> , 2021, 24, 1345-1347.	14.8	0
9	A database and deep learning toolbox for noise-optimized, generalized spike inference from calcium imaging. <i>Nature Neuroscience</i> , 2021, 24, 1324-1337.	14.8	57
10	Psilocybin induces rapid and persistent growth of dendritic spines in frontal cortex in vivo. <i>Neuron</i> , 2021, 109, 2535-2544.e4.	8.1	214
11	Ketamine disinhibits dendrites and enhances calcium signals in prefrontal dendritic spines. <i>Nature Communications</i> , 2020, 11, 72.	12.8	128
12	Nanoscope Visualization of Restricted Nonvolume Cholinergic and Monoaminergic Transmission with Genetically Encoded Sensors. <i>Nano Letters</i> , 2020, 20, 4073-4083.	9.1	18
13	Cumulative Effects of Social Stress on Reward-Guided Actions and Prefrontal Cortical Activity. <i>Biological Psychiatry</i> , 2020, 88, 541-553.	1.3	15
14	Parvalbumin-Positive Neuron Loss and Amyloid- $\beta$ Deposits in the Frontal Cortex of Alzheimer's Disease-Related Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 1323-1339.	2.6	30
15	Enhanced Population Coding for Rewarded Choices in the Medial Frontal Cortex of the Mouse. <i>Cerebral Cortex</i> , 2019, 29, 4090-4106.	2.9	37
16	Interpreting in vivo calcium signals from neuronal cell bodies, axons, and dendrites: a review. <i>Neurophotonics</i> , 2019, 7, 1.	3.3	65
17	Same lesson, varied choices by frontal cortex. <i>Nature Neuroscience</i> , 2018, 21, 1648-1650.	14.8	2
18	Targeted two-photon chemical apoptotic ablation of defined cell types in vivo. <i>Nature Communications</i> , 2017, 8, 15837.	12.8	41

#	ARTICLE	IF	CITATIONS
19	Secondary Motor Cortex: Where "Sensory" Meets "Motor" in the Rodent Frontal Cortex. Trends in Neurosciences, 2017, 40, 181-193.	8.6	199
20	Fast and slow transitions in frontal ensemble activity during flexible sensorimotor behavior. Nature Neuroscience, 2016, 19, 1234-1242.	14.8	96
21	Longitudinal Effects of Ketamine on Dendritic Architecture <i>In Vivo</i> in the Mouse Medial Frontal Cortex. ENeuro, 2016, 3, ENEURO.0133-15.2016.	1.9	107
22	Interneuron subtypes and orientation tuning. Nature, 2014, 508, E1-E2.	27.8	96
23	Fast modulation of visual perception by basal forebrain cholinergic neurons. Nature Neuroscience, 2013, 16, 1857-1863.	14.8	489
24	Dissection of Cortical Microcircuits by Single-Neuron Stimulation <i>In Vivo</i> . Current Biology, 2012, 22, 1459-1467.	3.9	113
25	Dopamine-induced oscillations of the pyloric pacemaker neuron rely on release of calcium from intracellular stores. Journal of Neurophysiology, 2011, 106, 1288-1298.	1.8	15
26	Electrophysiological Characterization of V2a Interneurons and Their Locomotor-Related Activity in the Neonatal Mouse Spinal Cord. Journal of Neuroscience, 2010, 30, 170-182.	3.6	139
27	Spatiotemporal Dynamics of Rhythmic Spinal Interneurons Measured With Two-Photon Calcium Imaging and Coherence Analysis. Journal of Neurophysiology, 2010, 104, 3323-3333.	1.8	28
28	Toward reconstructing spike trains from large-scale calcium imaging data. HFSP Journal, 2010, 4, 1-5.	2.5	2
29	Activity of Hb9 Interneurons during Fictive Locomotion in Mouse Spinal Cord. Journal of Neuroscience, 2009, 29, 11601-11613.	3.6	69
30	Optical visualization of Alzheimer's pathology via multiphoton-excited intrinsic fluorescence and second harmonic generation. Optics Express, 2009, 17, 3679.	3.4	94
31	Polarized microtubule arrays in apical dendrites and axons. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11370-11375.	7.1	89
32	What Can Population Calcium Imaging Tell Us About Neural Circuits?. Journal of Neurophysiology, 2008, 100, 2977-2980.	1.8	8