Kira E Poskanzer

List of Publications by Year
in descending order

23	3,202	393982	642321
papers	citations	19 h-index	23 g-index

31	31	31	4003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	7.1	1,098
2	Astrocytes regulate cortical state switching in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2675-84.	3.3	292
3	Synaptotagmin I is necessary for compensatory synaptic vesicle endocytosis in vivo. Nature, 2003, 426, 559-563.	13.7	257
4	Two-photon photostimulation and imaging of neural circuits. Nature Methods, 2007, 4, 943-950.	9.0	240
5	Dap160/Intersectin Scaffolds the Periactive Zone to Achieve High-Fidelity Endocytosis and Normal Synaptic Growth. Neuron, 2004, 43, 207-219.	3.8	203
6	Astrocytic regulation of cortical UP states. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18453-18458.	3.3	183
7	Accurate quantification of astrocyte and neurotransmitter fluorescence dynamics for single-cell and population-level physiology. Nature Neuroscience, 2019, 22, 1936-1944.	7.1	122
8	Temporally distinct demands for classic cadherins in synapse formation and maturation. Molecular and Cellular Neurosciences, 2004, 27, 509-521.	1.0	113
9	Two-Photon Neuronal and Astrocytic Stimulation with Azobenzene-Based Photoswitches. Journal of the American Chemical Society, 2014, 136, 8693-8701.	6.6	103
10	Live-imaging of astrocyte morphogenesis and function in zebrafish neural circuits. Nature Neuroscience, 2020, 23, 1297-1306.	7.1	90
11	Discrete Residues in the C2B Domain of Synaptotagmin I Independently Specify Endocytic Rate and Synaptic Vesicle Size. Neuron, 2006, 50, 49-62.	3.8	81
12	Cortical astrocytes independently regulate sleep depth and duration via separate GPCR pathways. ELife, 2021, 10, .	2.8	77
13	N-Cadherin Regulates Ingrowth and Laminar Targeting of Thalamocortical Axons. Journal of Neuroscience, 2003, 23, 2294-2305.	1.7	63
14	A roadmap to integrate astrocytes into Systems Neuroscience. Glia, 2020, 68, 5-26.	2.5	52
15	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. Annual Review of Physiology, 2018, 80, 143-157.	5.6	44
16	Optical Probes for Neurobiological Sensing and Imaging. Accounts of Chemical Research, 2018, 51, 1023-1032.	7.6	42
17	A Visible-Light-Sensitive Caged Serotonin. ACS Chemical Neuroscience, 2017, 8, 1036-1042.	1.7	31
18	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. Scientific Reports, 2017, 7, 10819.	1.6	28

#	Article	IF	Citations
19	Mobilization and fusion of a non-recycling pool of synaptic vesicles under conditions of endocytic blockade. Neuropharmacology, 2004, 47, 714-723.	2.0	22
20	Flashy Science: Controlling Neural Function with Light. Journal of Neuroscience, 2005, 25, 10358-10365.	1.7	19
21	Reversible silencing of endogenous receptors in intact brain tissue using 2-photon pharmacology. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13680-13689.	3.3	17
22	Imaging in vivo acetylcholine release in the peripheral nervous system with a fluorescent nanosensor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
23	Deformable mirror-based axial scanning for two-photon mammalian brain imaging. Neurophotonics, 2021, 8, 015003.	1.7	5