

Kira E Poskanzer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,202
citations

394421

19
h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

4003
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	14.8	1,098
2	Astrocytes regulate cortical state switching in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2675-84.	7.1	292
3	Synaptotagmin I is necessary for compensatory synaptic vesicle endocytosis in vivo. <i>Nature</i> , 2003, 426, 559-563.	27.8	257
4	Two-photon photostimulation and imaging of neural circuits. <i>Nature Methods</i> , 2007, 4, 943-950.	19.0	240
5	Dap160/Intersectin Scaffolds the Periaxonal Zone to Achieve High-Fidelity Endocytosis and Normal Synaptic Growth. <i>Neuron</i> , 2004, 43, 207-219.	8.1	203
6	Astrocytic regulation of cortical UP states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18453-18458.	7.1	183
7	Accurate quantification of astrocyte and neurotransmitter fluorescence dynamics for single-cell and population-level physiology. <i>Nature Neuroscience</i> , 2019, 22, 1936-1944.	14.8	122
8	Temporally distinct demands for classic cadherins in synapse formation and maturation. <i>Molecular and Cellular Neurosciences</i> , 2004, 27, 509-521.	2.2	113
9	Two-Photon Neuronal and Astrocytic Stimulation with Azobenzene-Based Photoswitches. <i>Journal of the American Chemical Society</i> , 2014, 136, 8693-8701.	13.7	103
10	Live-imaging of astrocyte morphogenesis and function in zebrafish neural circuits. <i>Nature Neuroscience</i> , 2020, 23, 1297-1306.	14.8	90
11	Discrete Residues in the C2B Domain of Synaptotagmin I Independently Specify Endocytic Rate and Synaptic Vesicle Size. <i>Neuron</i> , 2006, 50, 49-62.	8.1	81
12	Cortical astrocytes independently regulate sleep depth and duration via separate GPCR pathways. <i>ELife</i> , 2021, 10, .	6.0	77
13	N-Cadherin Regulates Ingrowth and Laminar Targeting of Thalamocortical Axons. <i>Journal of Neuroscience</i> , 2003, 23, 2294-2305.	3.6	63
14	A roadmap to integrate astrocytes into Systems Neuroscience. <i>Glia</i> , 2020, 68, 5-26.	4.9	52
15	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. <i>Annual Review of Physiology</i> , 2018, 80, 143-157.	13.1	44
16	Optical Probes for Neurobiological Sensing and Imaging. <i>Accounts of Chemical Research</i> , 2018, 51, 1023-1032.	15.6	42
17	A Visible-Light-Sensitive Caged Serotonin. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1036-1042.	3.5	31
18	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. <i>Scientific Reports</i> , 2017, 7, 10819.	3.3	28

#	ARTICLE	IF	CITATIONS
19	Mobilization and fusion of a non-recycling pool of synaptic vesicles under conditions of endocytic blockade. <i>Neuropharmacology</i> , 2004, 47, 714-723.	4.1	22
20	Flashy Science: Controlling Neural Function with Light. <i>Journal of Neuroscience</i> , 2005, 25, 10358-10365.	3.6	19
21	Reversible silencing of endogenous receptors in intact brain tissue using 2-photon pharmacology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13680-13689.	7.1	17
22	Imaging in vivo acetylcholine release in the peripheral nervous system with a fluorescent nanosensor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
23	Deformable mirror-based axial scanning for two-photon mammalian brain imaging. <i>Neurophotonics</i> , 2021, 8, 015003.	3.3	5