

# Kira E Poskanzer

## List of Publications by Year in descending order

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23  
papers

3,202  
citations

393982

19  
h-index

642321

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4003  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformable mirror-based axial scanning for two-photon mammalian brain imaging. <i>Neurophotonics</i> , 2021, 8, 015003.	1.7	5
2	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	7.1	1,098
3	Cortical astrocytes independently regulate sleep depth and duration via separate GPCR pathways. <i>ELife</i> , 2021, 10, .	2.8	77
4	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, .	3.3	9
5	A roadmap to integrate astrocytes into Systems Neuroscience. <i>Glia</i> , 2020, 68, 5-26.	2.5	52
6	Live-imaging of astrocyte morphogenesis and function in zebrafish neural circuits. <i>Nature Neuroscience</i> , 2020, 23, 1297-1306.	7.1	90
7	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.	3.3	17
8	Accurate quantification of astrocyte and neurotransmitter fluorescence dynamics for single-cell and population-level physiology. <i>Nature Neuroscience</i> , 2019, 22, 1936-1944.	7.1	122
9	Optical Probes for Neurobiological Sensing and Imaging. <i>Accounts of Chemical Research</i> , 2018, 51, 1023-1032.	7.6	42
10	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. <i>Annual Review of Physiology</i> , 2018, 80, 143-157.	5.6	44
11	A Visible-Light-Sensitive Caged Serotonin. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1036-1042.	1.7	31
12	A method for estimating intracellular ion concentration using optical nanosensors and ratiometric imaging. <i>Scientific Reports</i> , 2017, 7, 10819.	1.6	28
13	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.	3.3	292
14	Two-Photon Neuronal and Astrocytic Stimulation with Azobenzene-Based Photoswitches. <i>Journal of the American Chemical Society</i> , 2014, 136, 8693-8701.	6.6	103
15	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.	3.3	183
16	Two-photon photostimulation and imaging of neural circuits. <i>Nature Methods</i> , 2007, 4, 943-950.	9.0	240
17	Discrete Residues in the C2B Domain of Synaptotagmin I Independently Specify Endocytic Rate and Synaptic Vesicle Size. <i>Neuron</i> , 2006, 50, 49-62.	3.8	81
18	Flashy Science: Controlling Neural Function with Light. <i>Journal of Neuroscience</i> , 2005, 25, 10358-10365.	1.7	19

#	ARTICLE	IF	CITATIONS
19	Dap160/Intersectin Scaffolds the Periaxonal Zone to Achieve High-Fidelity Endocytosis and Normal Synaptic Growth. <i>Neuron</i> , 2004, 43, 207-219.	3.8	203
20	Mobilization and fusion of a non-recycling pool of synaptic vesicles under conditions of endocytic blockade. <i>Neuropharmacology</i> , 2004, 47, 714-723.	2.0	22
21	Temporally distinct demands for classic cadherins in synapse formation and maturation. <i>Molecular and Cellular Neurosciences</i> , 2004, 27, 509-521.	1.0	113
22	Synaptotagmin I is necessary for compensatory synaptic vesicle endocytosis in vivo. <i>Nature</i> , 2003, 426, 559-563.	13.7	257
23	N-Cadherin Regulates Ingrowth and Laminar Targeting of Thalamocortical Axons. <i>Journal of Neuroscience</i> , 2003, 23, 2294-2305.	1.7	63