

Matthias Prigge

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

4,819
citations

567144

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996849

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16
all docs

16
docs citations

16
times ranked

7337
citing authors

#	ARTICLE	IF	CITATIONS
1	Optogenetic control of mitochondrial metabolism and Ca ²⁺ signaling by mitochondria-targeted opsins. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5167-E5176.	3.3	52
2	Manipulating fear associations via optogenetic modulation of amygdala inputs to prefrontal cortex. Nature Neuroscience, 2017, 20, 836-844.	7.1	146
3	Silencing Neurons: Tools, Applications, and Experimental Constraints. Neuron, 2017, 95, 504-529.	3.8	263
4	Functional characterization of sodium-pumping rhodopsins with different pumping properties. PLoS ONE, 2017, 12, e0179232.	1.1	26
5	Biophysical constraints of optogenetic inhibition at presynaptic terminals. Nature Neuroscience, 2016, 19, 554-556.	7.1	317
6	Enhancing Channelrhodopsins: An Overview. Methods in Molecular Biology, 2016, 1408, 141-165.	0.4	32
7	Optogenetic Brain Interfaces. IEEE Reviews in Biomedical Engineering, 2014, 7, 3-30.	13.1	76
8	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. Frontiers in Molecular Neuroscience, 2013, 6, 2.	1.4	629
9	Color-tuned Channelrhodopsins for Multiwavelength Optogenetics. Journal of Biological Chemistry, 2012, 287, 31804-31812.	1.6	147
10	Bimodal Activation of Different Neuron Classes with the Spectrally Red-Shifted Channelrhodopsin Chimera C1V1 in Caenorhabditis elegans. PLoS ONE, 2012, 7, e46827.	1.1	55
11	Multicolor optogenetics. Neuroscience Research, 2011, 71, e313.	1.0	0
12	Neocortical excitation/inhibition balance in information processing and social dysfunction. Nature, 2011, 477, 171-178.	13.7	2,036
13	The Microbial Opsin Family of Optogenetic Tools. Cell, 2011, 147, 1446-1457.	13.5	471
14	Fast, repetitive light-activation of Ca _v 3.2 using Channelrhodopsin 2. Channels, 2010, 4, 241-247.	1.5	18
15	Two Open States with Progressive Proton Selectivities in the Branched Channelrhodopsin-2 Photocycle. Biophysical Journal, 2010, 98, 753-761.	0.2	61
16	Red-shifted optogenetic excitation: a tool for fast neural control derived from Volvox carteri. Nature Neuroscience, 2008, 11, 631-633.	7.1	490