

John J Macklin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

4,536
citations

16
h-index

24
g-index

24
ext. papers

6,100
ext. citations

18.6
avg, IF

4.78
L-index

#	Paper	IF	Citations
20	Optimization of a GCaMP calcium indicator for neural activity imaging. <i>Journal of Neuroscience</i> , 2012 , 32, 13819-40	6.6	864
19	A general method to improve fluorophores for live-cell and single-molecule microscopy. <i>Nature Methods</i> , 2015 , 12, 244-50, 3 p following 250	21.6	845
18	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 2	6.1	487
17	Sensitive red protein calcium indicators for imaging neural activity. <i>ELife</i> , 2016 , 5,	8.9	484
16	High-performance calcium sensors for imaging activity in neuronal populations and microcompartments. <i>Nature Methods</i> , 2019 , 16, 649-657	21.6	356
15	A general method to fine-tune fluorophores for live-cell and in vivo imaging. <i>Nature Methods</i> , 2017 , 14, 987-994	21.6	289
14	Conjunctive input processing drives feature selectivity in hippocampal CA1 neurons. <i>Nature Neuroscience</i> , 2015 , 18, 1133-42	25.5	262
13	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. <i>Science</i> , 2019 , 365, 699-704	33.3	206
12	A bright cyan-excitable orange fluorescent protein facilitates dual-emission microscopy and enhances bioluminescence imaging in vivo. <i>Nature Biotechnology</i> , 2016 , 34, 760-7	44.5	143
11	High-performance probes for light and electron microscopy. <i>Nature Methods</i> , 2015 , 12, 568-76	21.6	140
10	Fixation-resistant photoactivatable fluorescent proteins for CLEM. <i>Nature Methods</i> , 2015 , 12, 215-8, 4 p following 218	21.6	120
9	Cortex commands the performance of skilled movement. <i>ELife</i> , 2015 , 4, e10774	8.9	120
8	Excitation spectra and brightness optimization of two-photon excited probes. <i>Biophysical Journal</i> , 2012 , 102, 934-44	2.9	76
7	Quantum dot-based multiphoton fluorescent pipettes for targeted neuronal electrophysiology. <i>Nature Methods</i> , 2014 , 11, 1237-1241	21.6	61
6	Photoactivatable drugs for nicotinic optopharmacology. <i>Nature Methods</i> , 2018 , 15, 347-350	21.6	26
5	jYCaMP: an optimized calcium indicator for two-photon imaging at fiber laser wavelengths. <i>Nature Methods</i> , 2020 , 17, 694-697	21.6	23
4	High-performance GFP-based calcium indicators for imaging activity in neuronal populations and microcompartments		

- 3 Bright and photostable chemigenetic indicators for extended in vivo voltage imaging 10
- 2 Author response: Sensitive red protein calcium indicators for imaging neural activity **2016**, 9
- 1 A general method to fine-tune fluorophores for live-cell and in vivo imaging 1