

Genetically encoded indicators of neuronal activity

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Estimating Fast Neural Input Using Anatomical and Functional Connectivity. <i>Frontiers in Neural Circuits</i> , 2016, 10, 99.	1.4	2
2	Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse. <i>Journal of Neuroscience</i> , 2016, 36, 11059-11073.	1.7	76
3	Probing forebrain to hindbrain circuit functions in <i>Xenopus</i> . <i>Genesis</i> , 2017, 55, e22999.	0.8	9
4	Probes for monitoring regulated exocytosis. <i>Cell Calcium</i> , 2017, 64, 65-71.	1.1	7
5	Molecular Imaging in Synthetic Biology, and Synthetic Biology in Molecular Imaging. <i>Molecular Imaging and Biology</i> , 2017, 19, 373-378.	1.3	27
6	Input-Specific Plasticity and Homeostasis at the <i>Drosophila</i> Larval Neuromuscular Junction. <i>Neuron</i> , 2017, 93, 1388-1404.e10.	3.8	118
7	In Vivo Biosensing: Progress and Perspectives. <i>ACS Sensors</i> , 2017, 2, 327-338.	4.0	149
8	Optogenetic methods in drug screening: technologies and applications. <i>Current Opinion in Biotechnology</i> , 2017, 48, 8-14.	3.3	22
9	Emerging tools to study enteric neuromuscular function. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G420-G426.	1.6	9
10	Genetically expressed voltage sensor ArLight for imaging large scale cortical activity in the anesthetized and awake mouse. <i>Neurophotonics</i> , 2017, 4, 031212.	1.7	29
11	Promising techniques to illuminate neuromodulatory control of the cerebral cortex in sleeping and waking states. <i>Neuroscience Research</i> , 2017, 118, 92-103.	1.0	6
12	Robotic navigation to subcortical neural tissue for intracellular electrophysiology in vivo. <i>Journal of Neurophysiology</i> , 2017, 118, 1141-1150.	0.9	19
13	Optogenetic Approaches to Drug Discovery in Neuroscience and Beyond. <i>Trends in Biotechnology</i> , 2017, 35, 625-639.	4.9	31
14	A stable brain from unstable components: Emerging concepts and implications for neural computation. <i>Neuroscience</i> , 2017, 357, 172-184.	1.1	66
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16	General features of inhibition in the inner retina. <i>Journal of Physiology</i> , 2017, 595, 5507-5515.	1.3	37
17	Optogenetic Tools for Subcellular Applications in Neuroscience. <i>Neuron</i> , 2017, 96, 572-603.	3.8	274
18	Functional mapping of brain synapses by the enriching activity-marker SynptoZip. <i>Nature Communications</i> , 2017, 8, 1229.	5.8	22

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20	SRpHi ratiometric pH biosensors for super-resolution microscopy. <i>Nature Communications</i> , 2017, 8, 577.	5.8	50
21	Human pluripotent stem cell models of cardiac disease: from mechanisms to therapies. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1039-1059.	1.2	83
22	Improving a genetically encoded voltage indicator by modifying the cytoplasmic charge composition. <i>Scientific Reports</i> , 2017, 7, 8286.	1.6	39
23	Voltage Imaging: Pitfalls and Potential. <i>Biochemistry</i> , 2017, 56, 5171-5177.	1.2	85
24	Optoacoustic micro-tomography at 100 volumes per second. <i>Scientific Reports</i> , 2017, 7, 6850.	1.6	50
25	Whole-Brain Imaging Using Genetically Encoded Activity Sensors in Vertebrates. , 2017, , 321-341.		2
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28	<i>In Vivo</i> Imaging of CNS Injury and Disease. <i>Journal of Neuroscience</i> , 2017, 37, 10808-10816.	1.7	24
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30	Engineered AAVs for efficient noninvasive gene delivery to the central and peripheral nervous systems. <i>Nature Neuroscience</i> , 2017, 20, 1172-1179.	7.1	927
31	Chemistry Is Dead. Long Live Chemistry!. <i>Biochemistry</i> , 2017, 56, 5165-5170.	1.2	89
32	Mammalian cortical voltage imaging using genetically encoded voltage indicators: a review honoring professor Amiram Grinvald. <i>Neurophotonics</i> , 2017, 4, 031214.	1.7	12
33	Analytical Techniques in Neuroscience: Recent Advances in Imaging, Separation, and Electrochemical Methods. <i>Analytical Chemistry</i> , 2017, 89, 314-341.	3.2	109
34	Fast two-photon imaging of subcellular voltage dynamics in neuronal tissue with genetically encoded indicators. <i>ELife</i> , 2017, 6, .	2.8	161
35	Genetically Encoded Photoactuators and Photosensors for Characterization and Manipulation of Pluripotent Stem Cells. <i>Theranostics</i> , 2017, 7, 3539-3558.	4.6	17
36	Ultrawidefield microscope for high-speed fluorescence imaging and targeted optogenetic stimulation. <i>Biomedical Optics Express</i> , 2017, 8, 5794.	1.5	71

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38	Illuminating Brain Activities with Fluorescent Protein-Based Biosensors. <i>Chemosensors</i> , 2017, 5, 32.	1.8	19
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40	An R-CaMP1.07 reporter mouse for cell-type-specific expression of a sensitive red fluorescent calcium indicator. <i>PLoS ONE</i> , 2017, 12, e0179460.	1.1	47
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43	Microbial Rhodopsins. <i>Sub-Cellular Biochemistry</i> , 2018, 87, 19-56.	1.0	39
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165	Molecular tools for imaging and recording neuronal activity. <i>Nature Chemical Biology</i> , 2019, 15, 101-110.	3.9	67
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