

Kaspar Podgorski

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,818
citations

623734
14
h-index

752698
20
g-index

30
all docs

30
docs citations

30
times ranked

2339
citing authors

#	ARTICLE	IF	CITATIONS
1	VolPy: Automated and scalable analysis pipelines for voltage imaging datasets. PLoS Computational Biology, 2021, 17, e1008806.	3.2	23
2	A genetically encoded fluorescent biosensor for extracellular l-lactate. Nature Communications, 2021, 12, 7058.	12.8	46
3	Comprehensive Imaging of Sensory-Evoked Activity of Entire Neurons Within the Awake Developing Brain Using Ultrafast AOD-Based Random-Access Two-Photon Microscopy. Frontiers in Neural Circuits, 2020, 14, 33.	2.8	11
4	Bright and High-Performance Genetically Encoded Ca ²⁺ Indicator Based on mNeonGreen Fluorescent Protein. ACS Sensors, 2020, 5, 1959-1968.	7.8	35
5	A general approach to engineer positive-going eFRET voltage indicators. Nature Communications, 2020, 11, 3444.	12.8	31
6	jYCaMP: an optimized calcium indicator for two-photon imaging at fiber laser wavelengths. Nature Methods, 2020, 17, 694-697.	19.0	45
7	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. Science, 2019, 365, 699-704.	12.6	362
8	Kilohertz frame-rate two-photon tomography. Nature Methods, 2019, 16, 778-786.	19.0	122
9	A genetically encoded fluorescent sensor for in vivo imaging of GABA. Nature Methods, 2019, 16, 763-770.	19.0	242
10	Two-photon imaging with silicon photomultipliers. Optics Express, 2019, 27, 35830.	3.4	26
11	Stability, affinity, and chromatic variants of the glutamate sensor iGluSnFR. Nature Methods, 2018, 15, 936-939.	19.0	310
12	Multiplicative updates for optimization problems with dynamics. , 2017, , .		2
13	Brain heating induced by near-infrared lasers during multiphoton microscopy. Journal of Neurophysiology, 2016, 116, 1012-1023.	1.8	242
14	Single-Cell Electroporation for In Vivo Imaging of Neuronal Morphology and Growth Dynamics. Neuromethods, 2015, , 101-116.	0.3	0
15	Rapid Hebbian axonal remodeling mediated by visual stimulation. Science, 2014, 344, 904-909.	12.6	75
16	Fast non-negative temporal deconvolution for laser scanning microscopy. Journal of Biophotonics, 2013, 6, 153-162.	2.3	12
17	The Transcription Factor MEF2 Directs Developmental Visually Driven Functional and Structural Metaplasticity. Cell, 2012, 151, 41-55.	28.9	57
18	Functional Clustering Drives Encoding Improvement in a Developing Brain Network during Awake Visual Learning. PLoS Biology, 2012, 10, e1001236.	5.6	18

#	ARTICLE	IF	CITATIONS
19	Ultra-Bright and -Stable Red and Near-Infrared Squaraine Fluorophores for In Vivo Two-Photon Imaging. PLoS ONE, 2012, 7, e51980.	2.5	42