

Peter Rupprecht

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1550162/publications.pdf>

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11
papers

774
citations

1040056

9
h-index

1474206

9
g-index

14
all docs

14
docs citations

14
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Experience-Dependent Plasticity of Odor Representations in the Telencephalon of Zebrafish. <i>Current Biology</i> , 2018, 28, 1-14.e3.	3.9	372
2	Community-based benchmarking improves spike rate inference from two-photon calcium imaging data. <i>PLoS Computational Biology</i> , 2018, 14, e1006157.	3.2	118
3	A database and deep learning toolbox for noise-optimized, generalized spike inference from calcium imaging. <i>Nature Neuroscience</i> , 2021, 24, 1324-1337.	14.8	57
4	Remote z-scanning with a macroscopic voice coil motor for fast 3D multiphoton laser scanning microscopy. <i>Biomedical Optics Express</i> , 2016, 7, 1656.	2.9	55
5	A virtual reality system to analyze neural activity and behavior in adult zebrafish. <i>Nature Methods</i> , 2020, 17, 343-351.	19.0	53
6	Precise Synaptic Balance in the Zebrafish Homolog of Olfactory Cortex. <i>Neuron</i> , 2018, 100, 669-683.e5.	8.1	32
7	A tapered channel microfluidic device for comprehensive cell adhesion analysis, using measurements of detachment kinetics and shear stress-dependent motion. <i>Biomicrofluidics</i> , 2012, 6, 14107-1410712.	2.4	31
8	Optimizing and extending light-sculpting microscopy for fast functional imaging in neuroscience. <i>Biomedical Optics Express</i> , 2015, 6, 353.	2.9	18
9	<i>In Vivo</i> Calcium Imaging of CA3 Pyramidal Neuron Populations in Adult Mouse Hippocampus. <i>ENeuro</i> , 2021, 8, ENEURO.0023-21.2021.	1.9	12
10	Sculpted Light Microscopy for High-Speed Imaging of Neuronal Activity. , 2015, , .		0
11	Precise Synaptic Balance in the Zebrafish Homolog of Olfactory Cortex. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0