

# Benjamin Mathieu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10723384/publications.pdf>

Version: 2024-02-01

9  
papers

519  
citations

1307594

7  
h-index

1588992

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Two-Photon Imaging of a High-Gain Voltage Indicator in Awake Behaving Mice. <i>Cell</i> , 2019, 179, 1590-1608.e23.	28.9	242
2	Optical monitoring of neuronal activity at high frame rate with a digital random-access multiphoton (RAMP) microscope. <i>Journal of Neuroscience Methods</i> , 2008, 173, 259-270.	2.5	85
3	Activity-Dependent Gating of Calcium Spikes by A-type K <sup>+</sup> Channels Controls Climbing Fiber Signaling in Purkinje Cell Dendrites. <i>Neuron</i> , 2014, 84, 137-151.	8.1	59
4	Fast spatial beam shaping by acousto-optic diffraction for 3D non-linear microscopy. <i>Optics Express</i> , 2015, 23, 28191.	3.4	51
5	Active intermixing of indirect and direct neurons builds the striatal mosaic. <i>Nature Communications</i> , 2018, 9, 4725.	12.8	28
6	Diversity in cell motility reveals the dynamic nature of the formation of zebrafish taste sensory organs. <i>Development (Cambridge)</i> , 2016, 143, 2012-24.	2.5	14
7	Fast optical recording of neuronal activity by three-dimensional custom-access serial holography. <i>Nature Methods</i> , 2022, 19, 100-110.	19.0	13
8	Optogenetic stimulation of complex spatio-temporal activity patterns by acousto-optic light steering probes cerebellar granular layer integrative properties. <i>Scientific Reports</i> , 2018, 8, 13768.	3.3	7
9	Ultra-fast 3D scanning and holographic illumination in non-linear microscopy using acousto-optic deflectors. , 2017, , .		1