

# Fabian F Voigt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5797646/publications.pdf>

Version: 2024-02-01

27  
papers

1,633  
citations

471061

17  
h-index

610482

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid 3D light-sheet microscopy with a tunable lens. <i>Optics Express</i> , 2013, 21, 21010.	1.7	348
2	Fast two-layer two-photon imaging of neuronal cell populations using an electrically tunable lens. <i>Biomedical Optics Express</i> , 2011, 2, 2035.	1.5	296
3	The mesoSPIM initiative: open-source light-sheet microscopes for imaging cleared tissue. <i>Nature Methods</i> , 2019, 16, 1105-1108.	9.0	174
4	Value-guided remapping of sensory cortex by lateral orbitofrontal cortex. <i>Nature</i> , 2020, 585, 245-250.	13.7	109
5	Long-range population dynamics of anatomically defined neocortical networks. <i>ELife</i> , 2016, 5, .	2.8	102
6	A Sensitive Dynamic and Active Pixel Vision Sensor for Color or Neural Imaging Applications. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 123-136.	2.7	59
7	Tutorial: practical considerations for tissue clearing and imaging. <i>Nature Protocols</i> , 2021, 16, 2732-2748.	5.5	51
8	Ossified blood vessels in primary familial brain calcification elicit a neurotoxic astrocyte response. <i>Brain</i> , 2019, 142, 885-902.	3.7	50
9	Online correction of licking-induced brain motion during two-photon imaging with a tunable lens. <i>Journal of Physiology</i> , 2013, 591, 4689-4698.	1.3	49
10	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
11	Miniaturized selective plane illumination microscopy for high-contrast in vivo fluorescence imaging. <i>Optics Letters</i> , 2010, 35, 1413.	1.7	46
12	Multiphoton in vivo imaging with a femtosecond semiconductor disk laser. <i>Biomedical Optics Express</i> , 2017, 8, 3213.	1.5	45
13	Sensory and Behavioral Components of Neocortical Signal Flow in Discrimination Tasks with Short-Term Memory. <i>Neuron</i> , 2021, 109, 135-148.e6.	3.8	45
14	Multiscale optical and optoacoustic imaging of amyloid- $\beta^2$ deposits in mice. <i>Nature Biomedical Engineering</i> , 2022, 6, 1031-1044.	11.6	39
15	Context-dependent limb movement encoding in neuronal populations of motor cortex. <i>Nature Communications</i> , 2019, 10, 4812.	5.8	31
16	iDISCO+ for the Study of Neuroimmune Architecture of the Rat Auditory Brainstem. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 15.	0.9	21
17	Tissue Clearing and Light Sheet Microscopy: Imaging the Unsectioned Adult Zebra Finch Brain at Cellular Resolution. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 13.	0.9	20
18	Isotropic imaging across spatial scales with axially swept light-sheet microscopy. <i>Nature Protocols</i> , 2022, 17, 2025-2053.	5.5	19

#	ARTICLE	IF	CITATIONS
19	Developmental divergence of sensory stimulus representation in cortical interneurons. Nature Communications, 2020, 11, 5729.	5.8	17
20	Deep learning is widely applicable to phenotyping embryonic development and disease. Development (Cambridge), 2021, 148, .	1.2	16
21	Prion pathogenesis is unaltered in a mouse strain with a permeable blood-brain barrier. PLoS Pathogens, 2018, 14, e1007424.	2.1	9
22	A modular two-photon microscope for simultaneous imaging of distant cortical areas in vivo. Proceedings of SPIE, 2015, , .	0.8	8
23	Output-Specific Adaptation of Habenula-Midbrain Excitatory Synapses During Cocaine Withdrawal. Frontiers in Synaptic Neuroscience, 2021, 13, 643138.	1.3	4
24	3D Reconstruction of the Clarified Rat Hindbrain Choroid Plexus. Frontiers in Cell and Developmental Biology, 2021, 9, 692617.	1.8	4
25	In vivo calcium imaging of information processing in mouse neocortex during behavior. , 2015, , .		0
26	Ultrafast semiconductor disk lasers for in vivo multiphoton imaging. , 2017, , .		0
27	Multiphoton microscopy in every lab: the promise of ultrafast semiconductor disk lasers. Proceedings of SPIE, 2017, , .	0.8	0