

Klaus Becker

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,008
citations

840119

11
h-index

996533

15
g-index

17
all docs

17
docs citations

17
times ranked

4627
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultramicroscopy: three-dimensional visualization of neuronal networks in the whole mouse brain. <i>Nature Methods</i> , 2007, 4, 331-336.	9.0	1,163
2	Three-dimensional imaging of solvent-cleared organs using 3DISCO. <i>Nature Protocols</i> , 2012, 7, 1983-1995.	5.5	850
3	Three-dimensional reconstruction and segmentation of intact <i>Drosophila</i> by ultramicroscopy. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 1.	1.2	456
4	Chemical Clearing and Dehydration of GFP Expressing Mouse Brains. <i>PLoS ONE</i> , 2012, 7, e33916.	1.1	249
5	A versatile depigmentation, clearing, and labeling method for exploring nervous system diversity. <i>Science Advances</i> , 2020, 6, eaba0365.	4.7	56
6	High-resolution ultramicroscopy of the developing and adult nervous system in optically cleared <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2018, 9, 4731.	5.8	54
7	High-resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). <i>Journal of Biophotonics</i> , 2019, 12, e201800368.	1.1	51
8	3D-ultramicroscopy utilizing aspheric optics. <i>Journal of Biophotonics</i> , 2014, 7, 117-125.	1.1	35
9	Deconvolution of light sheet microscopy recordings. <i>Scientific Reports</i> , 2019, 9, 17625.	1.6	33
10	Ultramicroscopy: development and outlook. <i>Neurophotonics</i> , 2015, 2, 041407.	1.7	22
11	Reduction of Photo Bleaching and Long Term Archiving of Chemically Cleared GFP-Expressing Mouse Brains. <i>PLoS ONE</i> , 2014, 9, e114149.	1.1	21
12	Engineering a better light sheet in an axicon-based system using a flattened Gaussian beam of low order. <i>Journal of Biophotonics</i> , 2022, 15, e202100342.	1.1	7
13	Light-Sheet Fluorescence Microscopy: Chemical Clearing and Labeling Protocols for Ultramicroscopy. <i>Methods in Molecular Biology</i> , 2017, 1563, 33-49.	0.4	4
14	Reshaping a multimode laser beam into a constructed Gaussian beam for generating a thin light sheet. <i>Journal of Biophotonics</i> , 2018, 11, e201700213.	1.1	3
15	Visualizing minute details in light-sheet and confocal microscopy data by combining 3D rolling ball filtering and deconvolution. <i>Journal of Biophotonics</i> , 2021, , e202100290.	1.1	3
16	Recent developments in light sheet ultramicroscopy imaging techniques. , 2015, , .		1
17	Breaking the diffraction limit of light sheets allows fast isotropic imaging of large samples by ultramicroscopy. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY32-2.	0.0	0