Klaus Becker

List of Publications by Year
in descending order

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17 papers	3,008 citations	840776 11 h-index	996975 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. Nature Methods, 2007, 4, 331-336.	19.0	1,163
2	Three-dimensional imaging of solvent-cleared organs using 3DISCO. Nature Protocols, 2012, 7, 1983-1995.	12.0	850
3	Three-dimensional reconstruction and segmentation of intact Drosophila by ultramicroscopy. Frontiers in Systems Neuroscience, 2010, 4, 1.	2.5	456
4	Chemical Clearing and Dehydration of GFP Expressing Mouse Brains. PLoS ONE, 2012, 7, e33916.	2.5	249
5	A versatile depigmentation, clearing, and labeling method for exploring nervous system diversity. Science Advances, 2020, 6, eaba0365.	10.3	56
6	High-resolution ultramicroscopy of the developing and adult nervous system in optically cleared Drosophila melanogaster. Nature Communications, 2018, 9, 4731.	12.8	54
7	Highâ€resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). Journal of Biophotonics, 2019, 12, e201800368.	2.3	51
8	3Dâ€ultramicroscopy utilizing aspheric optics. Journal of Biophotonics, 2014, 7, 117-125.	2.3	35
9	Deconvolution of light sheet microscopy recordings. Scientific Reports, 2019, 9, 17625.	3.3	33
10	Ultramicroscopy: development and outlook. Neurophotonics, 2015, 2, 041407.	3.3	22
11	Reduction of Photo Bleaching and Long Term Archiving of Chemically Cleared GFP-Expressing Mouse Brains. PLoS ONE, 2014, 9, e114149.	2.5	21
12	Engineering a better light sheet in an axiconâ€based system using a flattened Gaussian beam of low order. Journal of Biophotonics, 2022, 15, e202100342.	2.3	7
13	Light-Sheet Fluorescence Microscopy: Chemical Clearing and Labeling Protocols for Ultramicroscopy. Methods in Molecular Biology, 2017, 1563, 33-49.	0.9	4
14	Reshaping a multimode laser beam into a constructed Gaussian beam for generating a thin light sheet. Journal of Biophotonics, 2018, 11, e201700213.	2.3	3
15	Visualizing minute details in lightâ€sheet and confocal microscopy data by combining 3D rolling ball filtering and deconvolution. Journal of Biophotonics, 2021, , e202100290.	2.3	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. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY32-2.	0.0	0