

Hans-Ulrich Dodt

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,350
citations

566801

15
h-index

713013

21
g-index

23
all docs

23
docs citations

23
times ranked

4912
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	Whole-Brain Profiling of Cells and Circuits in Mammals by Tissue Clearing and Light-Sheet Microscopy. <i>Neuron</i> , 2020, 106, 369-387.	3.8	145
6	Infrared-Guided Laser Stimulation of Neurons in Brain Slices. <i>Science Signaling</i> , 2002, 2002, pl2-pl2.	1.6	65
7	A versatile depigmentation, clearing, and labeling method for exploring nervous system diversity. <i>Science Advances</i> , 2020, 6, eaba0365.	4.7	56
8	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
9	High-resolution imaging of fluorescent whole mouse brains using stabilised organic media (sDISCO). <i>Journal of Biophotonics</i> , 2019, 12, e201800368.	1.1	51
10	Whole-Brain Analysis of Cells and Circuits by Tissue Clearing and Light-Sheet Microscopy. <i>Journal of Neuroscience</i> , 2018, 38, 9330-9337.	1.7	45
11	3D histopathology of human tumours by fast clearing and ultramicroscopy. <i>Scientific Reports</i> , 2020, 10, 17619.	1.6	39
12	3D-ultramicroscopy utilizing aspheric optics. <i>Journal of Biophotonics</i> , 2014, 7, 117-125.	1.1	35
13	Deconvolution of light sheet microscopy recordings. <i>Scientific Reports</i> , 2019, 9, 17625.	1.6	33
14	Ultramicroscopy: development and outlook. <i>Neurophotonics</i> , 2015, 2, 041407.	1.7	22
15	Visualization of neuronal form and function in brain slices by infrared videomicroscopy. , 1998, 30, 141-152.		21
16	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
17	The Intrinsic Optical Signal Evoked by Chiasm Stimulation in the Rat Suprachiasmatic Nuclei Exhibits GABAergic Day-Night Variation. <i>European Journal of Neuroscience</i> , 1996, 8, 319-328.	1.2	13
18	<i>Trichobilharzia regenti</i> (Schistosomatidae): 3D imaging techniques in characterization of larval migration through the CNS of vertebrates. <i>Micron</i> , 2016, 83, 62-71.	1.1	11

#	ARTICLE	IF	CITATIONS
19	The superresolved brain. Science, 2015, 347, 474-475.	6.0	10
20	The cytokine MIF controls daily rhythms of symbiont nutrition in an animalâ€“bacterial association. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27578-27586.	3.3	6
21	Outlook on optimizing ultramicroscopy imaging technique through optical characterization. Microscopy Research and Technique, 2018, 81, 929-935.	1.2	2
22	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