

Arno Bouwens

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

505
citations

758635

12
h-index

676716

22
g-index

27
all docs

27
docs citations

27
times ranked

895
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined multi-plane phase retrieval and super-resolution optical fluctuation imaging for 4D cell microscopy. <i>Nature Photonics</i> , 2018, 12, 165-172.	15.6	98
2	Fast three-dimensional imaging of gold nanoparticles in living cells with photothermal optical lock-in Optical Coherence Microscopy. <i>Optics Express</i> , 2012, 20, 21385.	1.7	65
3	Label-Free Imaging of Cerebral β -Amyloidosis with Extended-Focus Optical Coherence Microscopy. <i>Journal of Neuroscience</i> , 2012, 32, 14548-14556.	1.7	52
4	Quantitative lateral and axial flow imaging with optical coherence microscopy and tomography. <i>Optics Express</i> , 2013, 21, 17711.	1.7	39
5	Visible spectrum extended-focus optical coherence microscopy for label-free sub-cellular tomography. <i>Biomedical Optics Express</i> , 2017, 8, 3343.	1.5	39
6	Longitudinal three-dimensional visualisation of autoimmune diabetes by functional optical coherence imaging. <i>Diabetologia</i> , 2016, 59, 550-559.	2.9	30
7	Correcting for photodestruction in super-resolution optical fluctuation imaging. <i>Scientific Reports</i> , 2017, 7, 10470.	1.6	26
8	Quantitative cerebral blood flow imaging with extended-focus optical coherence microscopy. <i>Optics Letters</i> , 2014, 39, 37.	1.7	25
9	Diabetes imaging – quantitative assessment of islets of Langerhans distribution in murine pancreas using extended-focus optical coherence microscopy. <i>Biomedical Optics Express</i> , 2012, 3, 1365.	1.5	19
10	Combined Optical Coherence and Fluorescence Microscopy to assess dynamics and specificity of pancreatic beta-cell tracers. <i>Scientific Reports</i> , 2015, 5, 10385.	1.6	18
11	Optical coherence correlation spectroscopy (OCCS). <i>Optics Express</i> , 2014, 22, 782.	1.7	17
12	Identifying microbial species by single-molecule DNA optical mapping and resampling statistics. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz007.	1.5	15
13	3D super-resolved in vitro multiphoton microscopy by saturation of excitation. <i>Optics Express</i> , 2015, 23, 22667.	1.7	10
14	Label-free fast 3D coherent imaging reveals pancreatic islet micro-vascularization and dynamic blood flow. <i>Biomedical Optics Express</i> , 2016, 7, 4569.	1.5	10
15	Interferometric synthetic aperture microscopy for extended focus optical coherence microscopy. <i>Optics Express</i> , 2017, 25, 30807.	1.7	8
16	Imaging of cortical structures and microvasculature using extended-focus optical coherence tomography at 13 μ m. <i>Optics Letters</i> , 2018, 43, 1782.	1.7	8
17	Visible light optical coherence correlation spectroscopy. <i>Optics Express</i> , 2014, 22, 21944.	1.7	6
18	Statistical parametric mapping of stimuli evoked changes in total blood flow velocity in the mouse cortex obtained with extended-focus optical coherence microscopy. <i>Biomedical Optics Express</i> , 2017, 8, 1.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Self-contained and modular structured illumination microscope. Biomedical Optics Express, 2021, 12, 4414.	1.5	5
20	In vivo high-resolution cortical imaging with extended-focus optical coherence microscopy in the visible-NIR wavelength range. Journal of Biomedical Optics, 2018, 23, 1.	1.4	5
21	Label-free three-dimensional imaging of Caenorhabditis elegans with visible optical coherence microscopy. PLoS ONE, 2017, 12, e0181676.	1.1	3
22	Zero-crossing approach to high-resolution reconstruction in frequency-domain optical-coherence tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2080.	0.8	1
23	White-light diffraction tomography. Nature Photonics, 2014, 8, 173-174.	15.6	0
24	Optical Coherence Microscopy From Tissue to Cell. , 2014, , .		0
25	Velocimetric 3D Imaging of Cerebral Blood Flow with Extended-Focus Optical Coherence Microscopy. , 2014, , .		0