

Arno Bouwens

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

505
citations

759233

12
h-index

677142

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. Nature Photonics, 2018, 12, 165-172.	31.4	98
2	Fast three-dimensional imaging of gold nanoparticles in living cells with photothermal optical lock-in Optical Coherence Microscopy. Optics Express, 2012, 20, 21385.	3.4	65
3	Label-Free Imaging of Cerebral β -Amyloidosis with Extended-Focus Optical Coherence Microscopy. Journal of Neuroscience, 2012, 32, 14548-14556.	3.6	52
4	Quantitative lateral and axial flow imaging with optical coherence microscopy and tomography. Optics Express, 2013, 21, 17711.	3.4	39
5	Visible spectrum extended-focus optical coherence microscopy for label-free sub-cellular tomography. Biomedical Optics Express, 2017, 8, 3343.	2.9	39
6	Longitudinal three-dimensional visualisation of autoimmune diabetes by functional optical coherence imaging. Diabetologia, 2016, 59, 550-559.	6.3	30
7	Correcting for photodestruction in super-resolution optical fluctuation imaging. Scientific Reports, 2017, 7, 10470.	3.3	26
8	Quantitative cerebral blood flow imaging with extended-focus optical coherence microscopy. Optics Letters, 2014, 39, 37.	3.3	25
9	Diabetes imaging—quantitative assessment of islets of Langerhans distribution in murine pancreas using extended-focus optical coherence microscopy. Biomedical Optics Express, 2012, 3, 1365.	2.9	19
10	Combined Optical Coherence and Fluorescence Microscopy to assess dynamics and specificity of pancreatic beta-cell tracers. Scientific Reports, 2015, 5, 10385.	3.3	18
11	Optical coherence correlation spectroscopy (OCCS). Optics Express, 2014, 22, 782.	3.4	17
12	Identifying microbial species by single-molecule DNA optical mapping and resampling statistics. NAR Genomics and Bioinformatics, 2020, 2, lqz007.	3.2	15
13	3D super-resolved in vitro multiphoton microscopy by saturation of excitation. Optics Express, 2015, 23, 22667.	3.4	10
14	Label-free fast 3D coherent imaging reveals pancreatic islet micro-vascularization and dynamic blood flow. Biomedical Optics Express, 2016, 7, 4569.	2.9	10
15	Interferometric synthetic aperture microscopy for extended focus optical coherence microscopy. Optics Express, 2017, 25, 30807.	3.4	8
16	Imaging of cortical structures and microvasculature using extended-focus optical coherence tomography at 13 μ m. Optics Letters, 2018, 43, 1782.	3.3	8
17	Visible light optical coherence correlation spectroscopy. Optics Express, 2014, 22, 21944.	3.4	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. Biomedical Optics Express, 2017, 8, 1.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Self-contained and modular structured illumination microscope. Biomedical Optics Express, 2021, 12, 4414.	2.9	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.	2.6	5
21	Label-free three-dimensional imaging of Caenorhabditis elegans with visible optical coherence microscopy. PLoS ONE, 2017, 12, e0181676.	2.5	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.	1.5	1
23	White-light diffraction tomography. Nature Photonics, 2014, 8, 173-174.	31.4	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