

# 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	Self-contained and modular structured illumination microscope. Biomedical Optics Express, 2021, 12, 4414.	2.9	5
2	Identifying microbial species by single-molecule DNA optical mapping and resampling statistics. NAR Genomics and Bioinformatics, 2020, 2, lqz007.	3.2	15
3	Combined multi-plane phase retrieval and super-resolution optical fluctuation imaging for 4D cell microscopy. Nature Photonics, 2018, 12, 165-172.	31.4	98
4	Imaging of cortical structures and microvasculature using extended-focus optical coherence tomography at 13 $\mu$ m. Optics Letters, 2018, 43, 1782.	3.3	8
5	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
6	Correcting for photodestruction in super-resolution optical fluctuation imaging. Scientific Reports, 2017, 7, 10470.	3.3	26
7	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
8	Interferometric synthetic aperture microscopy for extended focus optical coherence microscopy. Optics Express, 2017, 25, 30807.	3.4	8
9	Visible spectrum extended-focus optical coherence microscopy for label-free sub-cellular tomography. Biomedical Optics Express, 2017, 8, 3343.	2.9	39
10	Label-free three-dimensional imaging of Caenorhabditis elegans with visible optical coherence microscopy. PLoS ONE, 2017, 12, e0181676.	2.5	3
11	Label-free fast 3D coherent imaging reveals pancreatic islet micro-vascularization and dynamic blood flow. Biomedical Optics Express, 2016, 7, 4569.	2.9	10
12	Longitudinal three-dimensional visualisation of autoimmune diabetes by functional optical coherence imaging. Diabetologia, 2016, 59, 550-559.	6.3	30
13	Combined Optical Coherence and Fluorescence Microscopy to assess dynamics and specificity of pancreatic beta-cell tracers. Scientific Reports, 2015, 5, 10385.	3.3	18
14	3D super-resolved in vitro multiphoton microscopy by saturation of excitation. Optics Express, 2015, 23, 22667.	3.4	10
15	Optical coherence correlation spectroscopy (OCCS). Optics Express, 2014, 22, 782.	3.4	17
16	Visible light optical coherence correlation spectroscopy. Optics Express, 2014, 22, 21944.	3.4	6
17	White-light diffraction tomography. Nature Photonics, 2014, 8, 173-174.	31.4	0
18	Quantitative cerebral blood flow imaging with extended-focus optical coherence microscopy. Optics Letters, 2014, 39, 37.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Optical Coherence Microscopy From Tissue to Cell. , 2014, , .		0
20	Velocimetric 3D Imaging of Cerebral Blood Flow with Extended-Focus Optical Coherence Microscopy. , 2014, , .		0
21	Quantitative lateral and axial flow imaging with optical coherence microscopy and tomography. Optics Express, 2013, 21, 17711.	3.4	39
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	Diabetes imagingâ€”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
24	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
25	Label-Free Imaging of Cerebral $\beta$ -Amyloidosis with Extended-Focus Optical Coherence Microscopy. Journal of Neuroscience, 2012, 32, 14548-14556.	3.6	52