

William Eldridge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1848326/publications.pdf>

Version: 2024-02-01

17
papers

566
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and implementation of a low-cost, portable OCT system. Biomedical Optics Express, 2018, 9, 1232.	2.9	85
2	Structured illumination multimodal 3D-resolved quantitative phase and fluorescence sub-diffraction microscopy. Biomedical Optics Express, 2017, 8, 2496.	2.9	75
3	Optical Phase Measurements of Disorder Strength Link Microstructure to Cell Stiffness. Biophysical Journal, 2017, 112, 692-702.	0.5	57
4	Refractive index tomography with structured illumination. Optica, 2017, 4, 537.	9.3	56
5	Imaging deformation of adherent cells due to shear stress using quantitative phase imaging. Optics Letters, 2016, 41, 352.	3.3	53
6	Is the nuclear refractive index lower than cytoplasm? Validation of phase measurements and implications for light scattering technologies. Journal of Biophotonics, 2017, 10, 1714-1722.	2.3	52
7	Spatial frequency-domain multiplexed microscopy for simultaneous, single-camera, one-shot, fluorescent, and quantitative-phase imaging. Optics Letters, 2015, 40, 4839.	3.3	28
8	Structured illumination microscopy for dual-modality 3D sub-diffraction resolution fluorescence and refractive-index reconstruction. Biomedical Optics Express, 2017, 8, 5776.	2.9	22
9	Shear Modulus Measurement by Quantitative Phase Imaging and Correlation with Atomic Force Microscopy. Biophysical Journal, 2019, 117, 696-705.	0.5	22
10	Quantitative phase imaging of erythrocytes under microfluidic constriction in a high refractive index medium reveals water content changes. Microsystems and Nanoengineering, 2019, 5, 63.	7.0	22
11	Real-time speckle reduction in optical coherence tomography using the dual window method. Biomedical Optics Express, 2018, 9, 616.	2.9	20
12	Invited Article: Digital refocusing in quantitative phase imaging for flowing red blood cells. APL Photonics, 2018, 3, 110802.	5.7	18
13	Molecular and biophysical analysis of apoptosis using a combined quantitative phase imaging and fluorescence resonance energy transfer microscope. Journal of Biophotonics, 2018, 11, e201800126.	2.3	13
14	Response to Comment on "Is the nuclear refractive index lower than cytoplasm? Validation of phase measurements and implications for light scattering technologies". Journal of Biophotonics, 2018, 11, e201800091.	2.3	12
15	Fast wide-field photothermal and quantitative phase cell imaging with optical lock-in detection. Biomedical Optics Express, 2014, 5, 2517.	2.9	11
16	Cellular shear stiffness reflects progression of arsenic-induced transformation during G1. Carcinogenesis, 2018, 39, 109-117.	2.8	11
17	Wavelet transform fast inverse light scattering analysis for size determination of spherical scatterers. Biomedical Optics Express, 2014, 5, 3292.	2.9	9