

William Eldridge

List of Publications by Year in descending order

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