

Erik BÃ©langer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

407
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered fluidic device to achieve multiplexed monitoring of cell cultures with digital holographic microscopy. <i>Optics Express</i> , 2022, 30, 414.	3.4	2
2	Polychromatic digital holographic microscopy for denoising of quantitative phase images of neurons. , 2020, , .		0
3	Polychromatic digital holographic microscopy: a quasicohherent-noise-free imaging technique to explore the connectivity of living neuronal networks. <i>Neurophotonics</i> , 2020, 7, 040501.	3.3	12
4	Label-Free Phenotyping of Human Cells with Multimodal Quantitative-Phase Digital Holographic Microscopy: Towards the Identification of New Cellular Biomarkers of Diseases. , 2020, , .		0
5	Simultaneous measurements of a specimen quantitative-phase signal and its surrounding medium refractive index using quantitative-phase imaging. <i>Optics Letters</i> , 2020, 45, 5587.	3.3	2
6	Measuring Absolute Cell Volume Using Quantitative-Phase Digital Holographic Microscopy and a Low-Cost, Open-Source, and 3D-Printed Flow Chamber. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	10
7	Sample and substrate preparation for exploring living neurons in culture with quantitative-phase imaging. <i>Methods</i> , 2018, 136, 90-107.	3.8	14
8	Sensory Afferents Use Different Coding Strategies for Heat and Cold. <i>Cell Reports</i> , 2018, 23, 2001-2013.	6.4	88
9	Comparative study of quantitative phase imaging techniques for refractometry of optical waveguides. <i>Optics Express</i> , 2018, 26, 17498.	3.4	34
10	Betacellulin regulates schwann cell proliferation and myelin formation in the injured mouse peripheral nerve. <i>Glia</i> , 2017, 65, 657-669.	4.9	13
11	Low-cost production and sealing procedure of mechanical parts of a versatile 3D-printed perfusion chamber for digital holographic microscopy of primary neurons in culture. , 2017, , .		3
12	Probing pain pathways with light. <i>Neuroscience</i> , 2016, 338, 248-271.	2.3	19
13	Intravital assessment of myelin molecular order with polarimetric multiphoton microscopy. <i>Scientific Reports</i> , 2016, 6, 31685.	3.3	13
14	Maintaining polarization in polarimetric multiphoton microscopy. <i>Journal of Biophotonics</i> , 2015, 8, 884-888.	2.3	8
15	Automated method for the segmentation and morphometry of nerve fibers in large-scale CARS images of spinal cord tissue. <i>Biomedical Optics Express</i> , 2014, 5, 4145.	2.9	38
16	Local assessment of myelin health in a multiple sclerosis mouse model using a 2D Fourier transform approach. <i>Biomedical Optics Express</i> , 2013, 4, 2003.	2.9	23
17	Live animal myelin histomorphometry of the spinal cord with video-rate multimodal nonlinear microendoscopy. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	2.6	42
18	<i>In vivo</i> optical monitoring of tissue pathologies and diseases with vibrational contrast. <i>Journal of Biophotonics</i> , 2009, 2, 632-642.	2.3	40

#	ARTICLE	IF	CITATIONS
19	Long-term stable device for tuning fiber Bragg gratings. Applied Optics, 2007, 46, 3189.	2.1	18
20	Highly Efficient and High-Power Raman Fiber Laser Based on Broadband Chirped Fiber Bragg Gratings. Journal of Lightwave Technology, 2006, 24, 5039-5043.	4.6	26
21	High power and highly efficient Raman fiber laser based on broadband fiber Bragg gratings. , 2006, , .		2