

Antonia Lichtenegger

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

354
citations

840776

11
h-index

839539

18
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30
all docs

30
docs citations

30
times ranked

419
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicontrast investigation of in vivo wildtype zebrafish in three development stages using polarization-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	9
2	Non-destructive characterization of adult zebrafish models using Jones matrix optical coherence tomography. <i>Biomedical Optics Express</i> , 2022, 13, 2202.	2.9	10
3	Computational refocusing of Jones matrix polarization-sensitive optical coherence tomography and investigation of defocus-induced polarization artifacts. <i>Biomedical Optics Express</i> , 2022, 13, 2975.	2.9	10
4	Label-free metabolic imaging of non-alcoholic-fatty-liver-disease (NAFLD) liver by volumetric dynamic optical coherence tomography. <i>Biomedical Optics Express</i> , 2022, 13, 4071.	2.9	9
5	Improved accuracy of quantitative birefringence imaging by polarization sensitive <scp>OCT</scp> with simple noise correction and its application to neuroimaging. <i>Journal of Biophotonics</i> , 2021, 14, e202000323.	2.3	8
6	High-resolution, depth-resolved vascular leakage measurements using contrast-enhanced, correlation-gated optical coherence tomography in mice. <i>Biomedical Optics Express</i> , 2021, 12, 1774.	2.9	4
7	Reconstruction of visible light optical coherence tomography images retrieved from discontinuous spectral data using a conditional generative adversarial network. <i>Biomedical Optics Express</i> , 2021, 12, 6780.	2.9	10
8	Three-dimensional dynamics optical coherence tomography for tumor spheroid evaluation. <i>Biomedical Optics Express</i> , 2021, 12, 6844.	2.9	28
9	Investigation of the scattering and attenuation properties of cataracts formed in mouse eyes with 1060-nm and 1310-nm swept-source optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 6391.	2.9	1
10	Reconstruction of visible-OCT images based on cGAN using discontinuous RGB superluminescent diode light source. , 2021, , .		0
11	Improved Diagnostic Imaging of Brain Tumors by Multimodal Microscopy and Deep Learning. <i>Cancers</i> , 2020, 12, 1806.	3.7	13
12	Retinal analysis of a mouse model of Alzheimerâ€™s disease with multicontrast optical coherence tomography. <i>Neurophotonics</i> , 2020, 7, 1.	3.3	22
13	Three-dimensional visualization of opacifications in the murine crystalline lens by in vivo optical coherence tomography. <i>Biomedical Optics Express</i> , 2020, 11, 2085.	2.9	6
14	Ex-vivo Alzheimerâ€™s disease brain tissue investigation: a multiscale approach using 1060-nm swept source optical coherence tomography for a direct correlation to histology. <i>Neurophotonics</i> , 2020, 7, 035004.	3.3	1
15	Attenuation coefficient as a quantitative parameter for analyzing cataracts with optical coherence tomography. <i>EPJ Web of Conferences</i> , 2020, 238, 04004.	0.3	1
16	Hyperspectral optical coherence tomography for in vivo visualization of melanin in the retinal pigment epithelium. <i>Journal of Biophotonics</i> , 2019, 12, e201900153.	2.3	21
17	Comparison of Intensity- and Polarization-based Contrast in Amyloid-beta Plaques as Observed by Optical Coherence Tomography. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2100.	2.5	4
18	Evaluating cellularity and structural connectivity on whole brain slides using a custom-made digital pathology pipeline. <i>Journal of Neuroscience Methods</i> , 2019, 311, 215-221.	2.5	12

#	ARTICLE	IF	CITATIONS
19	Revealing brain pathologies with multimodal visible light optical coherence microscopy and fluorescence imaging. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	16
20	Nonresonant Raman spectroscopy of isolated human retina samples complying with laser safety regulations for in vivo measurements. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	17
21	Polarization-sensitive imaging with simultaneous bright- and dark-field optical coherence tomography. <i>Optics Letters</i> , 2019, 44, 4040.	3.3	5
22	Hyperspectral optical coherence tomography: a tool for in vivo visualization of melanin in the retinal pigment epithelium. , 2019, , .		1
23	Combined visible light optical coherence microscopy and fluorescence imaging setup to investigate 5-aminolevulinic acid positive glioma samples. , 2019, , .		0
24	White light polarization sensitive optical coherence tomography for sub-micron axial resolution and spectroscopic contrast in the murine retina. <i>Biomedical Optics Express</i> , 2018, 9, 2115.	2.9	30
25	Beyond backscattering: optical neuroimaging by BRAD. <i>Biomedical Optics Express</i> , 2018, 9, 2476.	2.9	25
26	Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	18
27	Assessment of pathological features in Alzheimerâ€™s disease brain tissue with a large field-of-view visible-light optical coherence microscope. <i>Neurophotonics</i> , 2018, 5, 1.	3.3	20
28	Imaging Brain Pathology in Alzheimerâ€™s Disease by Contrast-Enhanced Optical Coherence Tomography. , 2018, , .		0
29	Visible light spectral domain optical coherence microscopy system for ex vivo imaging. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
30	Spectroscopic imaging with spectral domain visible light optical coherence microscopy in Alzheimerâ€™s disease brain samples. <i>Biomedical Optics Express</i> , 2017, 8, 4007.	2.9	51