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 g-index
30 all docs	30 docs citations	30 times ranked	419 citing authors

#	Article	IF	Citations
1	Spectroscopic imaging with spectral domain visible light optical coherence microscopy in Alzheimerâ€™s disease brain samples. Biomedical Optics Express, 2017, 8, 4007.	2.9	51
2	White light polarization sensitive optical coherence tomography for sub-micron axial resolution and spectroscopic contrast in the murine retina. Biomedical Optics Express, 2018, 9, 2115.	2.9	30
3	Three-dimensional dynamics optical coherence tomography for tumor spheroid evaluation. Biomedical Optics Express, 2021, 12, 6844.	2.9	28
4	Beyond backscattering: optical neuroimaging by BRAD. Biomedical Optics Express, 2018, 9, 2476.	2.9	25
5	Retinal analysis of a mouse model of Alzheimerâ€™s disease with multicontrast optical coherence tomography. Neurophotonics, 2020, 7, 1.	3.3	22
6	Hyperspectral optical coherence tomography for in vivo visualization of melanin in the retinal pigment epithelium. Journal of Biophotonics, 2019, 12, e201900153.	2.3	21
7	Assessment of pathological features in Alzheimerâ€™s disease brain tissue with a large field-of-view visible-light optical coherence microscope. Neurophotonics, 2018, 5, 1.	3.3	20
8	Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. Journal of Biomedical Optics, 2018, 23, 1.	2.6	18
9	Nonresonant Raman spectroscopy of isolated human retina samples complying with laser safety regulations for in vivo measurements. Neurophotonics, 2019, 6, 1.	3.3	17
10	Revealing brain pathologies with multimodal visible light optical coherence microscopy and fluorescence imaging. Journal of Biomedical Optics, 2019, 24, 1.	2.6	16
11	Improved Diagnostic Imaging of Brain Tumors by Multimodal Microscopy and Deep Learning. Cancers, 2020, 12, 1806.	3.7	13
12	Evaluating cellularity and structural connectivity on whole brain slides using a custom-made digital pathology pipeline. Journal of Neuroscience Methods, 2019, 311, 215-221.	2.5	12
13	Reconstruction of visible light optical coherence tomography images retrieved from discontinuous spectral data using a conditional generative adversarial network. Biomedical Optics Express, 2021, 12, 6780.	2.9	10
14	Non-destructive characterization of adult zebrafish models using Jones matrix optical coherence tomography. Biomedical Optics Express, 2022, 13, 2202.	2.9	10
15	Computational refocusing of Jones matrix polarization-sensitive optical coherence tomography and investigation of defocus-induced polarization artifacts. Biomedical Optics Express, 2022, 13, 2975.	2.9	10
16	Multicontrast investigation of in vivo wildtype zebrafish in three development stages using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2022, 27, .	2.6	9
17	Label-free metabolic imaging of non-alcoholic-fatty-liver-disease (NAFLD) liver by volumetric dynamic optical coherence tomography. Biomedical Optics Express, 2022, 13, 4071.	2.9	9
18	Improved accuracy of quantitative birefringence imaging by polarization sensitive <scp>OCT</scp> with simple noise correction and its application to neuroimaging. Journal of Biophotonics, 2021, 14, e202000323.	2.3	8

#	Article	IF	Citations
19	Three-dimensional visualization of opacifications in the murine crystalline lens by in vivo optical coherence tomography. Biomedical Optics Express, 2020, 11, 2085.	2.9	6
20	Polarization-sensitive imaging with simultaneous bright- and dark-field optical coherence tomography. Optics Letters, 2019, 44, 4040.	3.3	5
21	Comparison of Intensity- and Polarization-based Contrast in Amyloid-beta Plaques as Observed by Optical Coherence Tomography. Applied Sciences (Switzerland), 2019, 9, 2100.	2.5	4
22	High-resolution, depth-resolved vascular leakage measurements using contrast-enhanced, correlation-gated optical coherence tomography in mice. Biomedical Optics Express, 2021, 12, 1774.	2.9	4
23	Visible light spectral domain optical coherence microscopy system for ex vivo imaging. Proceedings of SPIE, 2017, , .	0.8	2
24	Investigation of the scattering and attenuation properties of cataracts formed in mouse eyes with 1060-nm and 1310-nm swept-source optical coherence tomography. Biomedical Optics Express, 2021, 12, 6391.	2.9	1
25	Hyperspectral optical coherence tomography: a tool for in vivo visualization of melanin in the retinal pigment epithelium. , 2019, , .		1
26	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. Neurophotonics, 2020, 7, 035004.	3.3	1
27	Attenuation coefficient as a quantitative parameter for analyzing cataracts with optical coherence tomography. EPJ Web of Conferences, 2020, 238, 04004.	0.3	1
28	Imaging Brain Pathology in Alzheimerâ€™s Disease by Contrast-Enhanced Optical Coherence Tomography. , 2018, , .		0
29	Combined visible light optical coherence microscopy and fluorescence imaging setup to investigate 5-aminolevulinic acid postive glioma samples. , 2019, , .		0
30	Reconstruction of visible-OCT images based on cGAN using discontinuous RGB superluminescent diode light source. , 2021, , .		0