

Tilman Schmoll

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

806
citations

516710

16
h-index

752698

20
g-index

29
all docs

29
docs citations

29
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high-speed volumetric tomography of human retinal blood flow. <i>Optics Express</i> , 2009, 17, 4166.	3.4	140
2	Ultrahigh-speed non-invasive widefield angiography. <i>Journal of Biomedical Optics</i> , 2012, 17, 0705051.	2.6	99
3	Line-field parallel swept source MHz OCT for structural and functional retinal imaging. <i>Biomedical Optics Express</i> , 2015, 6, 716.	2.9	75
4	Imaging of the parafoveal capillary network and its integrity analysis using fractal dimension. <i>Biomedical Optics Express</i> , 2011, 2, 1159.	2.9	71
5	Precise Thickness Measurements of Bowman's Layer, Epithelium, and Tear Film. <i>Optometry and Vision Science</i> , 2012, 89, E795-E802.	1.2	67
6	Stable absolute flow estimation with Doppler OCT based on virtual circumpapillary scans. <i>Biomedical Optics Express</i> , 2010, 1, 1047.	2.9	51
7	Line-field parallel swept source interferometric imaging at up to 1â€™MHz. <i>Optics Letters</i> , 2014, 39, 5333.	3.3	41
8	Imaging of the parafoveal capillary network and its integrity analysis using fractal dimension. <i>Biomedical Optics Express</i> , 2011, 2, 1159-68.	2.9	36
9	Enhanced medical diagnosis for dOCTors: a perspective of optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	34
10	In vivo functional retinal optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2010, 15, 041513.	2.6	30
11	Holographic line field en-face OCT with digital adaptive optics in the retina in vivo. <i>Biomedical Optics Express</i> , 2018, 9, 472.	2.9	26
12	Histogramâ€based filtering for quantitative 3D retinal angiography. <i>Journal of Biophotonics</i> , 2009, 2, 416-425.	2.3	24
13	Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. <i>Optics Letters</i> , 2010, 35, 241.	3.3	21
14	Heartâ€beatâ€phaseâ€coherent Doppler optical coherence tomography for measuring pulsatile ocular blood flow. <i>Journal of Biophotonics</i> , 2013, 6, 275-282.	2.3	21
15	Optical coherence tomography: From technology to applications in ophthalmology. <i>Translational Biophotonics</i> , 2021, 3, e202000012.	2.7	20
16	Measuring pulse-induced natural relative motions within human ocular tissue<i>in vivo</i> using phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 121506.	2.6	18
17	Segmentation of Doppler optical coherence tomography signatures using a support-vector machine. <i>Biomedical Optics Express</i> , 2011, 2, 1328.	2.9	16
18	Miniaturizing optical coherence tomography. <i>Translational Biophotonics</i> , 2022, 4, .	2.7	8

#	ARTICLE	IF	CITATIONS
19	Dynamic retinal optical coherence microscopy without adaptive optics. , 2009, , .		3
20	Ultra-high speed volumetric tomography of human retinal blood flow: erratum. Optics Express, 2009, 17, 6025.	3.4	2
21	Ultra-high-speed polarization sensitive OCT in the human retina using a single spectrometer. , 2011, , .		1
22	Stable absolute flow estimation with Doppler OCT based on virtual circumpapillary scans. Proceedings of SPIE, 2011, , .	0.8	1
23	Natural motion of the optic nerve head revealed by high speed phase-sensitive OCT. , 2013, , .		1
24	Quantitative volume angiograms of human retinal blood flow using histogram-based filtering. , 2009, , .		0
25	Flicker stimulated retinal perfusion changes assessed with high-speed Doppler tomography. Proceedings of SPIE, 2010, , .	0.8	0
26	High Speed Polarization Sensitive Spectral Domain OCT by Spatial Heterodyning. , 2010, , .		0
27	Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. Proceedings of SPIE, 2010, , .	0.8	0
28	Automated extraction of 3D Doppler OCT signatures using a support vector machine. , 2011, , .		0
29	Ocular Imaging Combining Ultrahigh Resolution and High Speed OCT. , 2013, , 977-998.		0