

Tilman Schmoll

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

806
citations

516710

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752698

20
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29
all docs

29
docs citations

29
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Miniaturizing optical coherence tomography. Translational Biophotonics, 2022, 4, .	2.7	8
2	Optical coherence tomography: From technology to applications in ophthalmology. Translational Biophotonics, 2021, 3, e202000012.	2.7	20
3	Enhanced medical diagnosis for dOCTors: a perspective of optical coherence tomography. Journal of Biomedical Optics, 2021, 26, .	2.6	34
4	Holographic line field en-face OCT with digital adaptive optics in the retina in vivo. Biomedical Optics Express, 2018, 9, 472.	2.9	26
5	Line-field parallel swept source MHz OCT for structural and functional retinal imaging. Biomedical Optics Express, 2015, 6, 716.	2.9	75
6	Line-field parallel swept source interferometric imaging at up to 1â€‰MHz. Optics Letters, 2014, 39, 5333.	3.3	41
7	Heartâ€‰beatâ€‰phaseâ€‰coherent Doppler optical coherence tomography for measuring pulsatile ocular blood flow. Journal of Biophotonics, 2013, 6, 275-282.	2.3	21
8	Ocular Imaging Combining Ultrahigh Resolution and High Speed OCT. , 2013, , 977-998.		0
9	Natural motion of the optic nerve head revealed by high speed phase-sensitive OCT. , 2013, , .		1
10	Measuring pulse-induced natural relative motions within human ocular tissue<i>in vivo</i> using phase-sensitive optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 121506.	2.6	18
11	Ultrahigh-speed non-invasive widefield angiography. Journal of Biomedical Optics, 2012, 17, 0705051.	2.6	99
12	Precise Thickness Measurements of Bowman's Layer, Epithelium, and Tear Film. Optometry and Vision Science, 2012, 89, E795-E802.	1.2	67
13	Imaging of the parafoveal capillary network and its integrity analysis using fractal dimension. Biomedical Optics Express, 2011, 2, 1159.	2.9	71
14	Segmentation of Doppler optical coherence tomography signatures using a support-vector machine. Biomedical Optics Express, 2011, 2, 1328.	2.9	16
15	Ultra-high-speed polarization sensitive OCT in the human retina using a single spectrometer. , 2011, , .		1
16	Automated extraction of 3D Doppler OCT signatures using a support vector machine. , 2011, , .		0
17	Stable absolute flow estimation with Doppler OCT based on virtual circumpapillary scans. Proceedings of SPIE, 2011, , .	0.8	1
18	Imaging of the parafoveal capillary network and its integrity analysis using fractal dimension. Biomedical Optics Express, 2011, 2, 1159-68.	2.9	36

#	ARTICLE	IF	CITATIONS
19	Flicker stimulated retinal perfusion changes assessed with high-speed Doppler tomography. Proceedings of SPIE, 2010, , .	0.8	0
20	High Speed Polarization Sensitive Spectral Domain OCT by Spatial Heterodyning. , 2010, , .		0
21	In vivo functional retinal optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 041513.	2.6	30
22	Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. Proceedings of SPIE, 2010, , .	0.8	0
23	Stable absolute flow estimation with Doppler OCT based on virtual circumpapillary scans. Biomedical Optics Express, 2010, 1, 1047.	2.9	51
24	Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. Optics Letters, 2010, 35, 241.	3.3	21
25	Dynamic retinal optical coherence microscopy without adaptive optics. , 2009, , .		3
26	Quantitative volume angiograms of human retinal blood flow using histogram-based filtering. , 2009, , .		0
27	Histogram-based filtering for quantitative 3D retinal angiography. Journal of Biophotonics, 2009, 2, 416-425.	2.3	24
28	Ultra-high-speed volumetric tomography of human retinal blood flow. Optics Express, 2009, 17, 4166.	3.4	140
29	Ultra-high speed volumetric tomography of human retinal blood flow: erratum. Optics Express, 2009, 17, 6025.	3.4	2