

# Michael Pircher

## List of Publications by Year in descending order

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212  
papers

7,452  
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53660

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66788

78  
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213  
all docs

213  
docs citations

213  
times ranked

3369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic retinal nerve fiber bundle tracing based on large field of view polarization sensitive OCT data. Biomedical Optics Express, 2022, 13, 65.	1.5	2
2	Baseline predictors for subretinal fibrosis in neovascular age-related macular degeneration. Scientific Reports, 2022, 12, 88.	1.6	12
3	Multi-modal and multi-scale clinical retinal imaging system with pupil and retinal tracking. Scientific Reports, 2022, 12, .	1.6	7
4	Large field of view depolarization mapping in the human retina using polarization-sensitive OCT. , 2022, , .		0
5	Three-dimensional composition of the photoreceptor cone layers in healthy eyes using adaptive-optics optical coherence tomography (AO-OCT). PLoS ONE, 2021, 16, e0245293.	1.1	8
6	Early Identification of Retinal Neuropathy in Subclinical Diabetic Eyes by Reduced Birefringence of the Peripapillary Retinal Nerve Fiber Layer. , 2021, 62, 24.		3
7	Identification and quantification of fibrotic areas in the human retina using polarization-sensitive OCT. Biomedical Optics Express, 2021, 12, 4380.	1.5	15
8	Retinal adaptive optics imaging with a pyramid wavefront sensor. Biomedical Optics Express, 2021, 12, 5969.	1.5	8
9	Temporal phase evolution OCT for measurement of tissue deformation in the human retina in-vivo. Biomedical Optics Express, 2021, 12, 7092.	1.5	3
10	Assessment of Detailed Photoreceptor Structure and Retinal Sensitivity in Diabetic Macular Ischemia Using Adaptive Optics-OCT and Microperimetry. , 2021, 62, 1.		4
11	Morphologic and Microvascular Differences Between Macular Neovascularization With and Without Subretinal Fibrosis. Translational Vision Science and Technology, 2021, 10, 1.	1.1	11
12	Title is missing!. , 2021, 16, e0245293.		0
13	Title is missing!. , 2021, 16, e0245293.		0
14	Title is missing!. , 2021, 16, e0245293.		0
15	Title is missing!. , 2021, 16, e0245293.		0
16	Large Field of View Corneal Epithelium and Bowman's Layer Thickness Maps in Keratoconic and Healthy Eyes. American Journal of Ophthalmology, 2020, 209, 168-177.	1.7	13
17	Morphologic and Functional Assessment of Photoreceptors After Macula-Off Retinal Detachment With Adaptive-Optics OCT and Microperimetry. American Journal of Ophthalmology, 2020, 214, 72-85.	1.7	22
18	OCTA Multilayer and Multisector Peripapillary Microvascular Modeling for Diagnosing and Staging of Glaucoma. Translational Vision Science and Technology, 2020, 9, 58.	1.1	16

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19	Relationship between morphological and vascular alterations in geographic atrophy using a multimodal imaging approach. <i>Acta Ophthalmologica</i> , 2020, 98, e700-e708.	0.6	3
20	Atlas of Human Retinal Pigment Epithelium Organelles Significant for Clinical Imaging. , 2020, 61, 13.		44
21	Analysis of longitudinal sections of retinal vessels using Doppler OCT. <i>Biomedical Optics Express</i> , 2020, 11, 1772.	1.5	6
22	Visualizing human photoreceptor and retinal pigment epithelium cell mosaics in a single volume scan over an extended field of view with adaptive optics optical coherence tomography. <i>Biomedical Optics Express</i> , 2020, 11, 4520.	1.5	21
23	Analysis of retinal nerve fiber layer birefringence in patients with glaucoma and diabetic retinopathy by polarization sensitive OCT. <i>Biomedical Optics Express</i> , 2020, 11, 5488.	1.5	12
24	Generating large field of view en-face projection images from intra-acquisition motion compensated volumetric optical coherence tomography data. <i>Biomedical Optics Express</i> , 2020, 11, 6881.	1.5	15
25	Three-dimensional assessment of para- and perifoveal photoreceptor densities and the impact of meridians and age in healthy eyes with adaptive-optics optical coherence tomography (AO-OCT). <i>Optics Express</i> , 2020, 28, 36723.	1.7	7
26	Cellular resolution AO-OCT imaging of the retina with an extended field of view. , 2020, , .		0
27	Review on Retrospective Procedures to Correct Retinal Motion Artefacts in OCT Imaging. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2700.	1.3	19
28	Identification and Quantification of the Angiofibrotic Switch in Neovascular AMD. , 2019, 60, 304.		24
29	Three-Dimensional Adaptive Optics-Assisted Visualization of Photoreceptors in Healthy and Pathologically Aged Eyes. , 2019, 60, 1144.		15
30	Investigating spontaneous retinal venous pulsation using Doppler optical coherence tomography. <i>Scientific Reports</i> , 2019, 9, 4237.	1.6	10
31	Ultrahigh Resolution Polarization Sensitive Optical Coherence Tomography of the Human Cornea with Conical Scanning Pattern and Variable Dispersion Compensation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4245.	1.3	10
32	IMAGING OF VITELLIFORM MACULAR LESIONS USING POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2019, 39, 558-569.	1.0	7
33	THREE-DIMENSIONAL ANALYSIS OF RETINAL MICROANEURYSMS WITH ADAPTIVE OPTICS OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2019, 39, 465-472.	1.0	28
34	Impact of drusen and drusenoid retinal pigment epithelium elevation size and structure on the integrity of the retinal pigment epithelium layer. <i>British Journal of Ophthalmology</i> , 2019, 103, 227-232.	2.1	16
35	Progress in Multimodal En Face Imaging: feature introduction. <i>Biomedical Optics Express</i> , 2019, 10, 2135.	1.5	3
36	Signal averaging improves signal-to-noise in OCT images: But which approach works best, and when?. <i>Biomedical Optics Express</i> , 2019, 10, 5755.	1.5	41

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37	Adaptive optics optical coherence tomography in clinical settings. , 2019, , .		0
38	Dynamic Changes of Retinal Microaneurysms in Diabetes Imaged With In Vivo Adaptive Optics Optical Coherence Tomography. , 2018, 59, 5932.		11
39	Mapping of Corneal Layer Thicknesses With Polarization-Sensitive Optical Coherence Tomography Using a Conical Scan Pattern. , 2018, 59, 5579.		15
40	Optical Coherence Tomography and Its Application to Imaging of Skin and Retina. , 2018, , 155-167.		0
41	Compact akinetic swept source optical coherence tomography angiography at 1060 nm supporting a wide field of view and adaptive optics imaging modes of the posterior eye. Biomedical Optics Express, 2018, 9, 1871.	1.5	22
42	Adaptable switching schemes for time-encoded multichannel optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1.	1.4	6
43	Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. Journal of Biomedical Optics, 2018, 23, 1.	1.4	18
44	Drusen volume development over time and its relevance to the course of age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 198-203.	2.1	105
45	Retinal pigment epithelial features indicative of neovascular progression in age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 1361-1366.	2.1	16
46	Visualization of neuritic plaques in Alzheimer's disease by polarization-sensitive optical coherence microscopy. Scientific Reports, 2017, 7, 43477.	1.6	41
47	Optimizing the sampling density of a wave-front sensor in adaptive optics systems: application to scanning laser ophthalmoscopy. Proceedings of SPIE, 2017, , .	0.8	0
48	Visualization of micro-capillaries using optical coherence tomography angiography with and without adaptive optics. Biomedical Optics Express, 2017, 8, 207.	1.5	64
49	Review of adaptive optics OCT (AO-OCT): principles and applications for retinal imaging [Invited]. Biomedical Optics Express, 2017, 8, 2536.	1.5	142
50	Conical scan pattern for enhanced visualization of the human cornea using polarization-sensitive OCT. Biomedical Optics Express, 2017, 8, 2906.	1.5	28
51	Increasing the field of view of adaptive optics scanning laser ophthalmoscopy. Biomedical Optics Express, 2017, 8, 4811.	1.5	26
52	Multi-directional optical coherence tomography for retinal imaging. Biomedical Optics Express, 2017, 8, 5560.	1.5	24
53	Noniterative digital aberration correction for cellular resolution retinal optical coherence tomography in vivo. Optica, 2017, 4, 924.	4.8	73
54	Posterior rat eye during acute intraocular pressure elevation studied using polarization sensitive optical coherence tomography. Biomedical Optics Express, 2017, 8, 298.	1.5	14

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55	Influence of wave-front sampling in adaptive optics retinal imaging. Biomedical Optics Express, 2017, 8, 1083.	1.5	5
56	Special Feature Development and Application of Optical Coherence Tomography (OCT). Applied Sciences (Switzerland), 2017, 7, 1507.	1.3	0
57	Polarization-sensitive optical coherence microscopy of human brain samples. , 2017, , .		2
58	Multi-channel OCT enabling multi-directional in vivo imaging in the human retina. , 2017, , .		0
59	Sequential multi-channel OCT in the retina using high-speed fiber optic switches. , 2017, , .		1
60	Automated Identification and Quantification of Subretinal Fibrosis in Neovascular Age-Related Macular Degeneration Using Polarization-Sensitive OCT. , 2016, 57, 1699.		39
61	Retinal Pigment Epithelial Features in Central Serous Chorioretinopathy Identified by Polarization-Sensitive Optical Coherence Tomography. , 2016, 57, 1595.		23
62	Multi-Functional OCT Image Processing for Rodent Eyes. , 2016, , .		0
63	Multi-Functional OCT Enables Longitudinal Study of Retinal Changes in a VLDLR Knockout Mouse Model. PLoS ONE, 2016, 11, e0164419.	1.1	31
64	Polarization properties of single layers in the posterior eyes of mice and rats investigated using high resolution polarization sensitive optical coherence tomography. Biomedical Optics Express, 2016, 7, 1479.	1.5	27
65	Active-passive path-length encoded (APPLE) Doppler OCT. Biomedical Optics Express, 2016, 7, 5233.	1.5	21
66	Multi-modal adaptive optics system including fundus photography and optical coherence tomography for the clinical setting. Biomedical Optics Express, 2016, 7, 1783.	1.5	25
67	Total retinal blood flow measurement by three beam Doppler optical coherence tomography. Biomedical Optics Express, 2016, 7, 287.	1.5	69
68	Current Status on Adaptive Optics for Retinal Imaging. , 2016, , .		0
69	Polarisation-sensitive OCT is useful for evaluating retinal pigment epithelial lesions in patients with neovascular AMD. British Journal of Ophthalmology, 2016, 100, 371-377.	2.1	11
70	Depth encoded three-beam swept source Doppler optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
71	Total retinal blood flow and reproducibility evaluation by three beam optical Doppler tomography. , 2016, , .		0
72	Multi-channel depth encoded swept source joint aperture Doppler optical coherence tomography. , 2016, , .		1

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73	Total retinal blood flow in healthy and glaucomatous human eyes measured with three beam Doppler optical coherence tomography. , 2016, , .		2
74	Melanin Pigmentation in Rat Eyes: In Vivo Imaging by Polarization-Sensitive Optical Coherence Tomography and Comparison to Histology. , 2015, 56, 7462.		44
75	Polarization-Sensitive Optical Coherence Tomography and Conventional Retinal Imaging Strategies in Assessing Foveal Integrity in Geographic Atrophy. , 2015, 56, 5246.		19
76	Spectral degree of polarization uniformity for polarization-sensitive OCT. Journal of Modern Optics, 2015, 62, 1758-1763.	0.6	7
77	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0
78	In vivo imaging of retinal and choroidal vasculature in the rodent eye using optical coherence tomography. Proceedings of SPIE, 2015, , .	0.8	0
79	Three-beam Doppler optical coherence tomography using a facet prism telescope and MEMS mirror for improved transversal resolution. Journal of Modern Optics, 2015, 62, 1781-1788.	0.6	30
80	Identification of Drusen Characteristics in Age-Related Macular Degeneration by Polarization-Sensitive Optical Coherence Tomography. American Journal of Ophthalmology, 2015, 160, 335-344.e1.	1.7	47
81	Analysis of optimum conditions of depolarization imaging by polarization-sensitive optical coherence tomography in the human retina. Journal of Biomedical Optics, 2015, 20, 016011.	1.4	20
82	Progression of Retinal Pigment Epithelial Atrophy in Antiangiogenic Therapy of Neovascular Age-Related Macular Degeneration. American Journal of Ophthalmology, 2015, 159, 1100-1114.e1.	1.7	70
83	High-resolution polarization sensitive OCT for ocular imaging in rodents. Proceedings of SPIE, 2015, , .	0.8	1
84	Retinal nerve fiber bundle tracing and analysis in human eye by polarization sensitive OCT. Biomedical Optics Express, 2015, 6, 1030.	1.5	34
85	Imaging of retinal vasculature using adaptive optics SLO/OCT. Biomedical Optics Express, 2015, 6, 1407.	1.5	32
86	In Vivo Imaging of Retinal and Choroidal Vasculature in the Rodent Eye using Optical Coherence Tomography. , 2015, , .		0
87	MUW Approach of PS OCT. , 2015, , 1103-1136.		0
88	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0
89	Acousto Optic Modulation Based En face AO SLO OCT. , 2015, , 1921-1939.		1
90	Motion artifact and speckle noise reduction in polarization sensitive optical coherence tomography by retinal tracking. Biomedical Optics Express, 2014, 5, 106.	1.5	44

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91	Adaptive optics SLO/OCT for 3D imaging of human photoreceptors in vivo. Biomedical Optics Express, 2014, 5, 439.	1.5	95
92	Single input state polarization sensitive swept source optical coherence tomography based on an all single mode fiber interferometer. Biomedical Optics Express, 2014, 5, 2798.	1.5	38
93	RETINAL PIGMENT EPITHELIUM FINDINGS IN PATIENTS WITH ALBINISM USING WIDE-FIELD POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2014, 34, 2208-2217.	1.0	18
94	Detection and Analysis of Hard Exudates by Polarization-Sensitive Optical Coherence Tomography in Patients With Diabetic Maculopathy. , 2014, 55, 1564.		49
95	Peripapillary Rat Sclera Investigated In Vivo With Polarization-Sensitive Optical Coherence Tomography. , 2014, 55, 7686.		32
96	Fibre based polarization sensitive optical coherence tomography using a swept source at 1040 nm. , 2014, , .		0
97	Imaging Retinal Pigment Epithelial Proliferation Secondary to PASCAL Photocoagulation In Vivo by Polarization-sensitive Optical Coherence Tomography. American Journal of Ophthalmology, 2013, 155, 1058-1067.e1.	1.7	22
98	Measuring Retinal Nerve Fiber Layer Birefringence, Retardation, and Thickness Using Wide-Field, High-Speed Polarization Sensitive Spectral Domain OCT. , 2013, 54, 72.		50
99	Retinal polarization-sensitive optical coherence tomography at 1060Ånm with 350ÅkHz A-scan rate using an Fourier domain mode locked laser. Journal of Biomedical Optics, 2013, 18, 026008.	1.4	29
100	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser: erratum. Biomedical Optics Express, 2013, 4, 241.	1.5	2
101	<i>In vitro</i> and <i>in vivo</i> three-dimensional velocity vector measurement by three-beam spectral-domain Doppler optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 116010.	1.4	54
102	Characterization of Stargardt Disease Using Polarization-Sensitive Optical Coherence Tomography and Fundus Autofluorescence Imaging. , 2013, 54, 6416.		33
103	Lesion Size Detection in Geographic Atrophy by Polarization-Sensitive Optical Coherence Tomography and Correlation to Conventional Imaging Techniques. , 2013, 54, 739.		31
104	Imaging Human Rod and Cone Photoreceptors with Adaptive Optics SLO/OCT. , 2013, , .		0
105	Automated measurement of choroidal thickness in the human eye by polarization sensitive optical coherence tomography. Optics Express, 2012, 20, 7564.	1.7	50
106	Polarization sensitive optical coherence tomography of melanin provides intrinsic contrast based on depolarization. Biomedical Optics Express, 2012, 3, 1670.	1.5	134
107	Large-field high-speed polarization sensitive spectral domain OCT and its applications in ophthalmology. Biomedical Optics Express, 2012, 3, 2720.	1.5	46
108	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser. Biomedical Optics Express, 2012, 3, 2987.	1.5	51

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109	Lens based adaptive optics scanning laser ophthalmoscope. Optics Express, 2012, 20, 17297.	1.7	53
110	High-speed polarization-sensitive OCT at 1060 nm using a Fourier domain mode-locked swept source. Proceedings of SPIE, 2012, , .	0.8	1
111	Broadband Fourier domain mode-locked laser for optical coherence tomography at 1060 nm. Proceedings of SPIE, 2012, , .	0.8	8
112	MORPHOLOGIC CHARACTERISTICS OF IDIOPATHIC JUXTAFOVEAL TELANGIECTASIA USING SPECTRAL-DOMAIN AND POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2012, 32, 256-264.	1.0	8
113	High-Speed Retinal Imaging with Polarization-Sensitive OCT at 1040 nm. Optometry and Vision Science, 2012, 89, 585-592.	0.6	16
114	Imaging of retinal lesions in age related macula degeneration using wide field polarization sensitive optical coherence tomography. , 2012, , .		1
115	Wide-field, high-speed polarization sensitive spectral domain OCT for measuring retardation, birefringence and retinal nerve fiber layer thickness. , 2012, , .		0
116	High-speed polarization-sensitive optical coherence tomography (PS-OCT) at 1060 nm. , 2012, , .		0
117	Polarization Sensitive Spectral Domain Optical Coherence Tomography of Cataract Lenses. , 2012, , .		0
118	Quantitative principal component model for skin chromophore mapping using multi-spectral images and spatial priors. Biomedical Optics Express, 2011, 2, 1040.	1.5	17
119	Introduction: Feature Issue on Cellular Imaging of the Retina. Biomedical Optics Express, 2011, 2, 1778.	1.5	1
120	Visualization of microvasculature by dual-beam phase-resolved Doppler optical coherence tomography. Optics Express, 2011, 19, 1217.	1.7	142
121	Speckle noise reduction in high speed polarization sensitive spectral domain optical coherence tomography. Optics Express, 2011, 19, 14568.	1.7	73
122	Speckle noise reduction by averaging in polarization sensitive spectral domain optical coherence tomography. , 2011, , .		0
123	Performance of Automated Drusen Detection by Polarization-Sensitive Optical Coherence Tomography. , 2011, 52, 4571.		62
124	Polarization sensitive optical coherence tomography in the human eye. Progress in Retinal and Eye Research, 2011, 30, 431-451.	7.3	228
125	Spectral domain polarization sensitive optical coherence tomography at 1.55 $\mu$ m: novel developments and applications for dynamic studies in materials science. , 2011, , .		4
126	Quantification of retinal lesions by polarization sensitive optical coherence tomography. , 2010, , .		0

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127	Spatially Resolved Stress Measurements in Materials With Polarisation-Sensitive Optical Coherence Tomography: Image Acquisition and Processing Aspects. <i>Strain</i> , 2010, 46, 61-68.	1.4	24
128	Dynamic testing: new insights with polarization-sensitive optical coherence tomography in the Fourier domain. <i>EPJ Web of Conferences</i> , 2010, 6, 10003.	0.1	1
129	Imaging of the Retinal Pigment Epithelium in Age-Related Macular Degeneration Using Polarization-Sensitive Optical Coherence Tomography. , 2010, 51, 2149.		120
130	Segmentation and quantification of retinal lesions in age-related macular degeneration using polarization-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2010, 15, 061704.	1.4	98
131	Polarimetric analysis of the human cornea measured by polarization-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2010, 15, 056004.	1.4	38
132	Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
133	Polarization sensitive optical coherence tomography of melanin provides tissue inherent contrast based on depolarization. , 2010, , .		5
134	Ultrahigh-resolution fiber-based polarization sensitive spectral domain optical coherence tomography. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
135	In vivo investigation of human cone photoreceptors with SLO/OCT in combination with 3D motion correction on a cellular level. <i>Optics Express</i> , 2010, 18, 13935.	1.7	72
136	Dynamic optical studies in materials testing with spectral-domain polarization-sensitive optical coherence tomography. <i>Optics Express</i> , 2010, 18, 25712.	1.7	45
137	Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. <i>Optics Letters</i> , 2010, 35, 241.	1.7	21
138	Sample motion-insensitive, full-range, complex, spectral-domain optical-coherence tomography. <i>Optics Letters</i> , 2010, 35, 3913.	1.7	18
139	Extended in vivo anterior eye-segment imaging with full-range complex spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2009, 14, 1.	1.4	27
140	High speed, high resolution SLO/OCT for investigating temporal changes of single cone photoreceptors in vivo. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
141	Advanced image processing of retardation scans for polarization-sensitive optical coherence tomography. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
142	Imaging of the whole anterior eye segment with full-range complex spectral domain optical coherence tomography. , 2009, , .		0
143	Quantitative assessment of retinal disorders using polarization-sensitive optical coherence tomography. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
144	Measurements of depolarization distribution in the healthy human macula by polarization sensitive OCT. <i>Journal of Biophotonics</i> , 2009, 2, 426-434.	1.1	38

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145	Phase contrast coherence microscopy based on transverse scanning. Optics Letters, 2009, 34, 1750.	1.7	14
146	Three-dimensional polarization sensitive OCT imaging and interactive display of the human retina. Optics Express, 2009, 17, 4151.	1.7	63
147	Polarization maintaining fiber based ultra-high resolution spectral domain polarization sensitive optical coherence tomography. Optics Express, 2009, 17, 22704.	1.7	96
148	Quantitative measurement of the degree of polarization uniformity of light backscattered by retinal layers by polarization sensitive OCT. , 2009, , .		0
149	In vivo bi-directional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities. Proceedings of SPIE, 2009, , .	0.8	0
150	Imaging the human retina in vivo with combined spectral-domain polarization-sensitive optical coherence tomography and scanning laser ophthalmoscopy. , 2009, , .		2
151	Modeling human corneal polarization properties and comparison with PS-OCT measurements. Proceedings of SPIE, 2009, , .	0.8	3
152	Retinal nerve fiber layer birefringence evaluated with polarization sensitive spectral domain OCT and scanning laser polarimetry: A comparison. Journal of Biophotonics, 2008, 1, 129-139.	1.1	73
153	Simultaneous imaging of human cone mosaic with adaptive optics enhanced scanning laser ophthalmoscopy and high-speed transversal scanning optical coherence tomography. Optics Letters, 2008, 33, 22.	1.7	119
154	Bidirectional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities in human retinal vessels. Optics Letters, 2008, 33, 2967.	1.7	203
155	High sensitive measurement of the human axial eye length in vivo with Fourier domain low coherence interferometry. Optics Express, 2008, 16, 2405.	1.7	12
156	Retinal pigment epithelium segmentation by polarization sensitive optical coherence tomography. Optics Express, 2008, 16, 16410.	1.7	289
157	Improved sensitivity measurement of the human eye length in vivo with Fourier domain optical coherence tomography. , 2008, , .		0
158	Simultaneous SLO/OCT imaging of the human retina in vivo with high speed axial eye motion correction. , 2008, , .		0
159	Value of polarisation-sensitive optical coherence tomography in diseases affecting the retinal pigment epithelium. British Journal of Ophthalmology, 2008, 92, 204-209.	2.1	67
160	Simple technique for full-range complex spectral domain optical coherence tomography. , 2008, , .		0
161	Segmentation of the retinal pigment epithelium by polarization sensitive optical coherence tomography. , 2008, , .		0
162	Analysis of the Origin of Atypical Scanning Laser Polarimetry Patterns by Polarization-Sensitive Optical Coherence Tomography. , 2008, 49, 5366.		34

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163	HIGH SPEED SIMULTANEOUS SLO/OCT IMAGING OF THE HUMAN RETINA WITH ADAPTIVE OPTICS – Oral Paper. , 2008, , .		0
164	Combining adaptive optics with optical coherence tomography: unveiling the cellular structure of the human retina <i>in vivo</i> . Expert Review of Ophthalmology, 2007, 2, 1019-1035.	0.3	47
165	Optische Kohärenztomografie als neues Werkzeug für die zerstörungsfreie Werkstoffprüfung (Optical Coherence Tomography as a Novel Tool for Non-Destructive Material Characterization). TM Technisches Messen, 2007, 74, 51-56.	0.3	2
166	Corneal birefringence compensation for polarization sensitive optical coherence tomography of the human retina. Journal of Biomedical Optics, 2007, 12, 041210.	1.4	58
167	Single- vs. two-camera based spectral-domain polarization-sensitive OCT systems. , 2007, , .		0
168	One-camera spectral-domain polarization-sensitive optical coherence tomography. , 2007, , .		0
169	Comparison of scanning laser polarimetry and polarization sensitive spectral domain optical coherence tomography. , 2007, , .		1
170	Dispersion-based optical coherence tomography OCT measurement of mixture concentrations. Optics Letters, 2007, 32, 2924.	1.7	9
171	Single camera based spectral domain polarization sensitive optical coherence tomography. Optics Express, 2007, 15, 1054.	1.7	83
172	Full range complex spectral domain optical coherence tomography without additional phase shifters. Optics Express, 2007, 15, 13375.	1.7	155
173	Simultaneous SLO/OCT imaging of the human retina with axial eye motion correction. Optics Express, 2007, 15, 16922.	1.7	86
174	Imaging of Birefringent Properties of Keratoconus Corneas by Polarization-Sensitive Optical Coherence Tomography. , 2007, 48, 3551.		69
175	Investigation of glass-fibre reinforced polymers by polarisation-sensitive, ultra-high resolution optical coherence tomography: Internal structures, defects and stress. Composites Science and Technology, 2007, 67, 3051-3058.	3.8	67
176	Retinal cone mosaic imaged with transverse scanning optical coherence tomography. Optics Letters, 2006, 31, 1821.	1.7	110
177	Transversal ultrahigh-resolution polarizationsensitive optical coherence tomography for strain mapping in materials. Optics Express, 2006, 14, 5945.	1.7	65
178	Optical Coherence Tomography for Examination of Parchment Degradation. Laser Chemistry, 2006, 2006, 1-6.	0.5	12
179	Optical coherence tomography of the human retina with dynamic focus. , 2006, 6079, 60.		0
180	Polarization properties of ocular tissue imaged with polarization sensitive spectral domain optical coherence tomography. , 2006, 6079, 399.		0

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181	Ultra-high resolution, polarization sensitive transversal optical coherence tomography for structural analysis and strain mapping. , 2006, , .		0
182	Human Macula Investigated In Vivo with Polarization-Sensitive Optical Coherence Tomography. , 2006, 47, 5487.		181
183	In vivo imaging with high-speed full-range complex spectral domain optical coherence tomography. , 2005, 5690, 121.		0
184	Imaging of the polarizing properties of human retinal layers by polarization sensitive optical coherence tomography. , 2005, 5688, 120.		0
185	Three-dimensional polarization-sensitive imaging of human retina in vivo with phase-resolved transversal OCT. , 2005, , .		0
186	Resonant Doppler imaging with Fourier domain optical coherence tomography. , 2005, , .		0
187	Parallel Fourier domain optical coherence tomography: measurement of the human eye in vivo. , 2005, , .		1
188	Non-destructive quantification of internal stress in polymer materials by polarisation sensitive optical coherence tomography. Acta Materialia, 2005, 53, 2785-2791.	3.8	41
189	Depolarization Effects in Human Tissue Investigated with Transversal PS-OCT. , 2005, , MF2.		0
190	Ultrahigh-resolution polarization-sensitive optical coherence tomography. , 2005, , .		9
191	Ultra-high resolution optical coherence tomography for material characterization and quality control. , 2005, 5714, 108.		4
192	High speed full range complex spectral domain optical coherence tomography. Optics Express, 2005, 13, 583.	1.7	135
193	En-face scanning optical coherence tomography with ultra-high resolution for material investigation. Optics Express, 2005, 13, 1015.	1.7	107
194	Parallel Fourier domain optical coherence tomography for in vivo measurement of the human eye. Optics Express, 2005, 13, 1131.	1.7	145
195	High speed spectral domain polarization sensitive optical coherence tomography of the human retina. Optics Express, 2005, 13, 10217.	1.7	265
196	Transversal phase resolved polarization sensitive optical coherence tomography. Physics in Medicine and Biology, 2004, 49, 1257-1263.	1.6	135
197	Measurement and imaging of birefringent properties of the human cornea with phase-resolved, polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 94.	1.4	150
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