

# Michael Pircher

## List of Publications by Year in descending order

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212  
papers

7,452  
citations

53794  
45  
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66911  
78  
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213  
all docs

213  
docs citations

213  
times ranked

3369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement and imaging of birefringence and optic axis orientation by phase resolved polarization sensitive optical coherence tomography. Optics Express, 2001, 9, 780.	3.4	436
2	Retinal pigment epithelium segmentation by polarization sensitive optical coherence tomography. Optics Express, 2008, 16, 16410.	3.4	289
3	High speed spectral domain polarization sensitive optical coherence tomography of the human retina. Optics Express, 2005, 13, 10217.	3.4	265
4	Speckle reduction in optical coherence tomography by frequency compounding. Journal of Biomedical Optics, 2003, 8, 565.	2.6	251
5	Polarization sensitive optical coherence tomography in the human eye. Progress in Retinal and Eye Research, 2011, 30, 431-451.	15.5	228
6	Bidirectional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities in human retinal vessels. Optics Letters, 2008, 33, 2967.	3.3	203
7	Human Macula Investigated In Vivo with Polarization-Sensitive Optical Coherence Tomography. , 2006, 47, 5487.		181
8	Imaging of polarization properties of human retina in vivo with phase resolved transversal PS-OCT. Optics Express, 2004, 12, 5940.	3.4	164
9	Full range complex spectral domain optical coherence tomography without additional phase shifters. Optics Express, 2007, 15, 13375.	3.4	155
10	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.	2.6	150
11	Parallel Fourier domain optical coherence tomography for in vivo measurement of the human eye. Optics Express, 2005, 13, 1131.	3.4	145
12	Visualization of microvasculature by dual-beam phase-resolved Doppler optical coherence tomography. Optics Express, 2011, 19, 1217.	3.4	142
13	Review of adaptive optics OCT (AO-OCT): principles and applications for retinal imaging [Invited]. Biomedical Optics Express, 2017, 8, 2536.	2.9	142
14	Transversal phase resolved polarization sensitive optical coherence tomography. Physics in Medicine and Biology, 2004, 49, 1257-1263.	3.0	135
15	High speed full range complex spectral domain optical coherence tomography. Optics Express, 2005, 13, 583.	3.4	135
16	Polarization sensitive optical coherence tomography of melanin provides intrinsic contrast based on depolarization. Biomedical Optics Express, 2012, 3, 1670.	2.9	134
17	Imaging of the Retinal Pigment Epithelium in Age-Related Macular Degeneration Using Polarization-Sensitive Optical Coherence Tomography. , 2010, 51, 2149.		120
18	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.	3.3	119

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19	Retinal cone mosaic imaged with transverse scanning optical coherence tomography. Optics Letters, 2006, 31, 1821.	3.3	110
20	En-face scanning optical coherence tomography with ultra-high resolution for material investigation. Optics Express, 2005, 13, 1015.	3.4	107
21	Drusen volume development over time and its relevance to the course of age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 198-203.	3.9	105
22	Three dimensional polarization sensitive OCT of human skin in vivo. Optics Express, 2004, 12, 3236.	3.4	101
23	Segmentation and quantification of retinal lesions in age-related macular degeneration using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 061704.	2.6	98
24	Polarization maintaining fiber based ultra-high resolution spectral domain polarization sensitive optical coherence tomography. Optics Express, 2009, 17, 22704.	3.4	96
25	Adaptive optics SLO/OCT for 3D imaging of human photoreceptors in vivo. Biomedical Optics Express, 2014, 5, 439.	2.9	95
26	Simultaneous SLO/OCT imaging of the human retina with axial eye motion correction. Optics Express, 2007, 15, 16922.	3.4	86
27	Single camera based spectral domain polarization sensitive optical coherence tomography. Optics Express, 2007, 15, 1054.	3.4	83
28	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.	2.3	73
29	Speckle noise reduction in high speed polarization sensitive spectral domain optical coherence tomography. Optics Express, 2011, 19, 14568.	3.4	73
30	Noniterative digital aberration correction for cellular resolution retinal optical coherence tomography in vivo. Optica, 2017, 4, 924.	9.3	73
31	In vivo investigation of human cone photoreceptors with SLO/OCT in combination with 3D motion correction on a cellular level. Optics Express, 2010, 18, 13935.	3.4	72
32	Progression of Retinal Pigment Epithelial Atrophy in Antiangiogenic Therapy of Neovascular Age-Related Macular Degeneration. American Journal of Ophthalmology, 2015, 159, 1100-1114.e1.	3.3	70
33	Imaging of Birefringent Properties of Keratoconus Corneas by Polarization-Sensitive Optical Coherence Tomography. , 2007, 48, 3551.		69
34	Total retinal blood flow measurement by three beam Doppler optical coherence tomography. Biomedical Optics Express, 2016, 7, 287.	2.9	69
35	Measurement and imaging of water concentration in human cornea with differential absorption optical coherence tomography. Optics Express, 2003, 11, 2190.	3.4	68
36	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.	7.8	67

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37	Value of polarisation-sensitive optical coherence tomography in diseases affecting the retinal pigment epithelium. British Journal of Ophthalmology, 2008, 92, 204-209.	3.9	67
38	Transversal ultrahigh-resolution polarizationsensitive optical coherence tomography for strain mapping in materials. Optics Express, 2006, 14, 5945.	3.4	65
39	Visualization of micro-capillaries using optical coherence tomography angiography with and without adaptive optics. Biomedical Optics Express, 2017, 8, 207.	2.9	64
40	Three-dimensional polarization sensitive OCT imaging and interactive display of the human retina. Optics Express, 2009, 17, 4151.	3.4	63
41	Performance of Automated Drusen Detection by Polarization-Sensitive Optical Coherence Tomography. , 2011, 52, 4571.		62
42	Corneal birefringence compensation for polarization sensitive optical coherence tomography of the human retina. Journal of Biomedical Optics, 2007, 12, 041210.	2.6	58
43	<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.	2.6	54
44	Lens based adaptive optics scanning laser ophthalmoscope. Optics Express, 2012, 20, 17297.	3.4	53
45	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser. Biomedical Optics Express, 2012, 3, 2987.	2.9	51
46	Automated measurement of choroidal thickness in the human eye by polarization sensitive optical coherence tomography. Optics Express, 2012, 20, 7564.	3.4	50
47	Measuring Retinal Nerve Fiber Layer Birefringence, Retardation, and Thickness Using Wide-Field, High-Speed Polarization Sensitive Spectral Domain OCT. , 2013, 54, 72.		50
48	Detection and Analysis of Hard Exudates by Polarization-Sensitive Optical Coherence Tomography in Patients With Diabetic Maculopathy. , 2014, 55, 1564.		49
49	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.	0.6	47
50	Identification of Drusen Characteristics in Age-Related Macular Degeneration by Polarization-Sensitive Optical Coherence Tomography. American Journal of Ophthalmology, 2015, 160, 335-344.e1.	3.3	47
51	Large-field high-speed polarization sensitive spectral domain OCT and its applications in ophthalmology. Biomedical Optics Express, 2012, 3, 2720.	2.9	46
52	Dynamic optical studies in materials testing with spectral-domain polarization-sensitive optical coherence tomography. Optics Express, 2010, 18, 25712.	3.4	45
53	Motion artifact and speckle noise reduction in polarization sensitive optical coherence tomography by retinal tracking. Biomedical Optics Express, 2014, 5, 106.	2.9	44
54	Melanin Pigmentation in Rat Eyes: In Vivo Imaging by Polarization-Sensitive Optical Coherence Tomography and Comparison to Histology. , 2015, 56, 7462.		44

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55	Atlas of Human Retinal Pigment Epithelium Organelles Significant for Clinical Imaging. , 2020, 61, 13.		44
56	Non-destructive quantification of internal stress in polymer materials by polarisation sensitive optical coherence tomography. Acta Materialia, 2005, 53, 2785-2791.	7.9	41
57	Visualization of neuritic plaques in Alzheimer's disease by polarization-sensitive optical coherence microscopy. Scientific Reports, 2017, 7, 43477.	3.3	41
58	Signal averaging improves signal-to-noise in OCT images: But which approach works best, and when?. Biomedical Optics Express, 2019, 10, 5755.	2.9	41
59	Automated Identification and Quantification of Subretinal Fibrosis in Neovascular Age-Related Macular Degeneration Using Polarization-Sensitive OCT. , 2016, 57, 1699.		39
60	Measurements of depolarization distribution in the healthy human macula by polarization sensitive OCT. Journal of Biophotonics, 2009, 2, 426-434.	2.3	38
61	Polarimetric analysis of the human cornea measured by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 056004.	2.6	38
62	Single input state polarization sensitive swept source optical coherence tomography based on an all single mode fiber interferometer. Biomedical Optics Express, 2014, 5, 2798.	2.9	38
63	En face imaging of single cell layers by differential phase-contrast optical coherence microscopy. Optics Letters, 2002, 27, 1126.	3.3	34
64	Retinal nerve fiber bundle tracing and analysis in human eye by polarization sensitive OCT. Biomedical Optics Express, 2015, 6, 1030.	2.9	34
65	Analysis of the Origin of Atypical Scanning Laser Polarimetry Patterns by Polarization-Sensitive Optical Coherence Tomography. , 2008, 49, 5366.		34
66	Characterization of Stargardt Disease Using Polarization-Sensitive Optical Coherence Tomography and Fundus Autofluorescence Imaging. , 2013, 54, 6416.		33
67	Peripapillary Rat Sclera Investigated In Vivo With Polarization-Sensitive Optical Coherence Tomography. , 2014, 55, 7686.		32
68	Imaging of retinal vasculature using adaptive optics SLO/OCT. Biomedical Optics Express, 2015, 6, 1407.	2.9	32
69	Lesion Size Detection in Geographic Atrophy by Polarization-Sensitive Optical Coherence Tomography and Correlation to Conventional Imaging Techniques. , 2013, 54, 739.		31
70	Multi-Functional OCT Enables Longitudinal Study of Retinal Changes in a VLDLR Knockout Mouse Model. PLoS ONE, 2016, 11, e0164419.	2.5	31
71	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.	1.3	30
72	Retinal polarization-sensitive optical coherence tomography at 1060nm with 350kHz A-scan rate using an Fourier domain mode locked laser. Journal of Biomedical Optics, 2013, 18, 026008.	2.6	29

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73	Conical scan pattern for enhanced visualization of the human cornea using polarization-sensitive OCT. Biomedical Optics Express, 2017, 8, 2906.	2.9	28
74	THREE-DIMENSIONAL ANALYSIS OF RETINAL MICROANEURYSMS WITH ADAPTIVE OPTICS OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 465-472.	1.7	28
75	Extended in vivo anterior eye-segment imaging with full-range complex spectral domain optical coherence tomography. Journal of Biomedical Optics, 2009, 14, 1.	2.6	27
76	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.	2.9	27
77	Increasing the field of view of adaptive optics scanning laser ophthalmoscopy. Biomedical Optics Express, 2017, 8, 4811.	2.9	26
78	Multi-modal adaptive optics system including fundus photography and optical coherence tomography for the clinical setting. Biomedical Optics Express, 2016, 7, 1783.	2.9	25
79	Spatially Resolved Stress Measurements in Materials With Polarisation-Sensitive Optical Coherence Tomography: Image Acquisition and Processing Aspects. Strain, 2010, 46, 61-68.	2.4	24
80	Multi-directional optical coherence tomography for retinal imaging. Biomedical Optics Express, 2017, 8, 5560.	2.9	24
81	Identification and Quantification of the Angiofibrotic Switch in Neovascular AMD. , 2019, 60, 304.		24
82	Retinal Pigment Epithelial Features in Central Serous Chorioretinopathy Identified by Polarization-Sensitive Optical Coherence Tomography. , 2016, 57, 1595.		23
83	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.	3.3	22
84	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.	2.9	22
85	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.	3.3	22
86	Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. Optics Letters, 2010, 35, 241.	3.3	21
87	Active-passive path-length encoded (APPLE) Doppler OCT. Biomedical Optics Express, 2016, 7, 5233.	2.9	21
88	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. Biomedical Optics Express, 2020, 11, 4520.	2.9	21
89	Analysis of optimum conditions of depolarization imaging by polarization-sensitive optical coherence tomography in the human retina. Journal of Biomedical Optics, 2015, 20, 016011.	2.6	20
90	Polarization-Sensitive Optical Coherence Tomography and Conventional Retinal Imaging Strategies in Assessing Foveal Integrity in Geographic Atrophy. , 2015, 56, 5246.		19

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91	Review on Retrospective Procedures to Correct Retinal Motion Artefacts in OCT Imaging. Applied Sciences (Switzerland), 2019, 9, 2700.	2.5	19
92	Sample motion-insensitive, full-range, complex, spectral-domain optical-coherence tomography. Optics Letters, 2010, 35, 3913.	3.3	18
93	RETINAL PIGMENT EPITHELIUM FINDINGS IN PATIENTS WITH ALBINISM USING WIDE-FIELD POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2014, 34, 2208-2217.	1.7	18
94	Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. Journal of Biomedical Optics, 2018, 23, 1.	2.6	18
95	Quantitative principal component model for skin chromophore mapping using multi-spectral images and spatial priors. Biomedical Optics Express, 2011, 2, 1040.	2.9	17
96	High-Speed Retinal Imaging with Polarization-Sensitive OCT at 1040 nm. Optometry and Vision Science, 2012, 89, 585-592.	1.2	16
97	Retinal pigment epithelial features indicative of neovascular progression in age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 1361-1366.	3.9	16
98	Impact of drusen and drusenoid retinal pigment epithelium elevation size and structure on the integrity of the retinal pigment epithelium layer. British Journal of Ophthalmology, 2019, 103, 227-232.	3.9	16
99	OCTA Multilayer and Multisector Peripapillary Microvascular Modeling for Diagnosing and Staging of Glaucoma. Translational Vision Science and Technology, 2020, 9, 58.	2.2	16
100	Mapping of Corneal Layer Thicknesses With Polarization-Sensitive Optical Coherence Tomography Using a Conical Scan Pattern. , 2018, 59, 5579.		15
101	Three-Dimensional Adaptive Optics-Assisted Visualization of Photoreceptors in Healthy and Pathologically Aged Eyes. , 2019, 60, 1144.		15
102	Identification and quantification of fibrotic areas in the human retina using polarization-sensitive OCT. Biomedical Optics Express, 2021, 12, 4380.	2.9	15
103	Generating large field of view en-face projection images from intra-acquisition motion compensated volumetric optical coherence tomography data. Biomedical Optics Express, 2020, 11, 6881.	2.9	15
104	Phase contrast coherence microscopy based on transverse scanning. Optics Letters, 2009, 34, 1750.	3.3	14
105	Posterior rat eye during acute intraocular pressure elevation studied using polarization sensitive optical coherence tomography. Biomedical Optics Express, 2017, 8, 298.	2.9	14
106	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.	3.3	13
107	Optical Coherence Tomography for Examination of Parchment Degradation. Laser Chemistry, 2006, 2006, 1-6.	0.5	12
108	High sensitive measurement of the human axial eye length in vivo with Fourier domain low coherence interferometry. Optics Express, 2008, 16, 2405.	3.4	12



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109	Analysis of retinal nerve fiber layer birefringence in patients with glaucoma and diabetic retinopathy by polarization sensitive OCT. Biomedical Optics Express, 2020, 11, 5488.	2.9	12
110	Baseline predictors for subretinal fibrosis in neovascular age-related macular degeneration. Scientific Reports, 2022, 12, 88.	3.3	12
111	Polarisation-sensitive OCT is useful for evaluating retinal pigment epithelial lesions in patients with neovascular AMD. British Journal of Ophthalmology, 2016, 100, 371-377.	3.9	11
112	Dynamic Changes of Retinal Microaneurysms in Diabetes Imaged With In Vivo Adaptive Optics Optical Coherence Tomography. , 2018, 59, 5932.		11
113	Morphologic and Microvascular Differences Between Macular Neovascularization With and Without Subretinal Fibrosis. Translational Vision Science and Technology, 2021, 10, 1.	2.2	11
114	Investigating spontaneous retinal venous pulsation using Doppler optical coherence tomography. Scientific Reports, 2019, 9, 4237.	3.3	10
115	Ultrahigh Resolution Polarization Sensitive Optical Coherence Tomography of the Human Cornea with Conical Scanning Pattern and Variable Dispersion Compensation. Applied Sciences (Switzerland), 2019, 9, 4245.	2.5	10
116	Ultrahigh-resolution polarization-sensitive optical coherence tomography. , 2005, , .		9
117	Dispersion-based optical coherence tomography OCT measurement of mixture concentrations. Optics Letters, 2007, 32, 2924.	3.3	9
118	Broadband Fourier domain mode-locked laser for optical coherence tomography at 1060 nm. Proceedings of SPIE, 2012, , .	0.8	8
119	MORPHOLOGIC CHARACTERISTICS OF IDIOPATHIC JUXTAFOVEAL TELANGIECTASIA USING SPECTRAL-DOMAIN AND POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2012, 32, 256-264.	1.7	8
120	Three-dimensional composition of the photoreceptor cone layers in healthy eyes using adaptive-optics optical coherence tomography (AO-OCT). PLoS ONE, 2021, 16, e0245293.	2.5	8
121	Retinal adaptive optics imaging with a pyramid wavefront sensor. Biomedical Optics Express, 2021, 12, 5969.	2.9	8
122	Spectral degree of polarization uniformity for polarization-sensitive OCT. Journal of Modern Optics, 2015, 62, 1758-1763.	1.3	7
123	IMAGING OF VITELLIFORM MACULAR LESIONS USING POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 558-569.	1.7	7
124	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). Optics Express, 2020, 28, 36723.	3.4	7
125	Multi-modal and multi-scale clinical retinal imaging system with pupil and retinal tracking. Scientific Reports, 2022, 12, .	3.3	7
126	Three-dimensional polarization-sensitive optical coherence tomography of normal and pathologic human cornea. , 2003, , .		6



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127	Adaptable switching schemes for time-encoded multichannel optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1.	2.6	6
128	Analysis of longitudinal sections of retinal vessels using Doppler OCT. Biomedical Optics Express, 2020, 11, 1772.	2.9	6
129	Polarization sensitive optical coherence tomography of melanin provides tissue inherent contrast based on depolarization. , 2010, , .		5
130	Influence of wave-front sampling in adaptive optics retinal imaging. Biomedical Optics Express, 2017, 8, 1083.	2.9	5
131	Ultra-high resolution optical coherence tomography for material characterization and quality control. , 2005, 5714, 108.		4
132	Spectral domain polarization sensitive optical coherence tomography at 1.55 $\mu$ m: novel developments and applications for dynamic studies in materials science. , 2011, , .		4
133	Assessment of Detailed Photoreceptor Structure and Retinal Sensitivity in Diabetic Macular Ischemia Using Adaptive Optics-OCT and Microperimetry. , 2021, 62, 1.		4
134	Glucose dispersion measurement using white-light LCI. , 2003, 4956, 348.		3
135	Modeling human corneal polarization properties and comparison with PS-OCT measurements. Proceedings of SPIE, 2009, , .	0.8	3
136	Relationship between morphological and vascular alterations in geographic atrophy using a multimodal imaging approach. Acta Ophthalmologica, 2020, 98, e700-e708.	1.1	3
137	Early Identification of Retinal Neuropathy in Subclinical Diabetic Eyes by Reduced Birefringence of the Peripapillary Retinal Nerve Fiber Layer. , 2021, 62, 24.		3
138	Progress in Multimodal En Face Imaging: feature introduction. Biomedical Optics Express, 2019, 10, 2135.	2.9	3
139	Temporal phase evolution OCT for measurement of tissue deformation in the human retina in-vivo. Biomedical Optics Express, 2021, 12, 7092.	2.9	3
140	Polarization-sensitive optical coherence tomography: a comparison of methods. , 2004, , .		2
141	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.	0.7	2
142	Imaging the human retina in vivo with combined spectral-domain polarization-sensitive optical coherence tomography and scanning laser ophthalmoscopy. , 2009, , .		2
143	High-speed polarization sensitive optical coherence tomography scan engine based on Fourier domain mode locked laser: erratum. Biomedical Optics Express, 2013, 4, 241.	2.9	2
144	Polarization-sensitive optical coherence microscopy of human brain samples. , 2017, , .		2

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145	Total retinal blood flow in healthy and glaucomatous human eyes measured with three beam Doppler optical coherence tomography. , 2016, , .		2
146	Automatic retinal nerve fiber bundle tracing based on large field of view polarization sensitive OCT data. Biomedical Optics Express, 2022, 13, 65.	2.9	2
147	Imaging of polarization properties of the human cornea with phase resolved polarization sensitive optical coherence tomography. , 2003, , .		1
148	Measurement of water absorption in human cornea with differential absorption optical coherence tomography. , 2003, 4956, 290.		1
149	Imaging of human tissue with phase-resolved polarization-sensitive optical coherence tomography based on transversal scanning. , 2004, , .		1
150	Parallel Fourier domain optical coherence tomography: measurement of the human eye in vivo. , 2005, , .		1
151	Comparison of scanning laser polarimetry and polarization sensitive spectral domain optical coherence tomography. , 2007, , .		1
152	Quantitative assessment of retinal disorders using polarization-sensitive optical coherence tomography. Proceedings of SPIE, 2009, , .	0.8	1
153	Dynamic testing: new insights with polarization-sensitive optical coherence tomography in the Fourier domain. EPJ Web of Conferences, 2010, 6, 10003.	0.3	1
154	Introduction: Feature Issue on Cellular Imaging of the Retina. Biomedical Optics Express, 2011, 2, 1778.	2.9	1
155	High-speed polarization-sensitive OCT at 1060 nm using a Fourier domain mode-locked swept source. Proceedings of SPIE, 2012, , .	0.8	1
156	High-resolution polarization sensitive OCT for ocular imaging in rodents. Proceedings of SPIE, 2015, , .	0.8	1
157	Imaging of retinal lesions in age related macula degeneration using wide field polarization sensitive optical coherence tomography. , 2012, , .		1
158	Acousto Optic Modulation Based En face AO SLO OCT. , 2015, , 1921-1939.		1
159	Multi-channel depth encoded swept source joint aperture Doppler optical coherence tomography. , 2016, , .		1
160	Sequential multi-channel OCT in the retina using high-speed fiber optic switches. , 2017, , .		1
161	Absorption and dispersion measurements of water, D <sub>2</sub> O, and acetone by phase resolved PCI and OCT in the mid-infrared range 1.3¼ m to 2.0¼m. , 2002, 4619, 82.		0
162	<title>Imaging of polarization properties of transparent and scattering structures by phase-resolved polarization-sensitive optical-coherence tomography</title>. , 2002, 4707, 120.		0

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163	Imaging of cell layers by differential phase contrast optical coherence microscopy. , 2003, , .		0
164	In vivo imaging with high-speed full-range complex spectral domain optical coherence tomography. , 2005, 5690, 121.		0
165	Imaging of the polarizing properties of human retinal layers by polarization sensitive optical coherence tomography. , 2005, 5688, 120.		0
166	Three-dimensional polarization-sensitive imaging of human retina in vivo with phase-resolved transversal OCT. , 2005, , .		0
167	Resonant Doppler imaging with Fourier domain optical coherence tomography. , 2005, , .		0
168	Depolarization Effects in Human Tissue Investigated with Transversal PS-OCT. , 2005, , MF2.		0
169	Optical coherence tomography of the human retina with dynamic focus. , 2006, 6079, 60.		0
170	Polarization properties of ocular tissue imaged with polarization sensitive spectral domain optical coherence tomography. , 2006, 6079, 399.		0
171	Ultra-high resolution, polarization sensitive transversal optical coherence tomography for structural analysis and strain mapping. , 2006, , .		0
172	Single- vs. two-camera based spectral-domain polarization-sensitive OCT systems. , 2007, , .		0
173	One-camera spectral-domain polarization-sensitive optical coherence tomography. , 2007, , .		0
174	Improved sensitivity measurement of the human eye length in vivo with Fourier domain optical coherence tomography. , 2008, , .		0
175	Simultaneous SLO/OCT imaging of the human retina in vivo with high speed axial eye motion correction. , 2008, , .		0
176	Simple technique for full-range complex spectral domain optical coherence tomography. , 2008, , .		0
177	Segmentation of the retinal pigment epithelium by polarization sensitive optical coherence tomography. , 2008, , .		0
178	High speed, high resolution SLO/OCT for investigating temporal changes of single cone photoreceptors in vivo. Proceedings of SPIE, 2009, , .	0.8	0
179	Advanced image processing of retardation scans for polarization-sensitive optical coherence tomography. Proceedings of SPIE, 2009, , .	0.8	0
180	Imaging of the whole anterior eye segment with full-range complex spectral domain optical coherence tomography. , 2009, , .		0

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181	Quantitative measurement of the degree of polarization uniformity of light backscattered by retinal layers by polarization sensitive OCT. , 2009, , .		0
182	In vivo bi-directional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities. Proceedings of SPIE, 2009, , .	0.8	0
183	Quantification of retinal lesions by polarization sensitive optical coherence tomography. , 2010, , .		0
184	Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. Proceedings of SPIE, 2010, , .	0.8	0
185	Ultrahigh-resolution fiber-based polarization sensitive spectral domain optical coherence tomography. Proceedings of SPIE, 2010, , .	0.8	0
186	Speckle noise reduction by averaging in polarization sensitive spectral domain optical coherence tomography. , 2011, , .		0
187	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0
188	In vivo imaging of retinal and choroidal vasculature in the rodent eye using optical coherence tomography. Proceedings of SPIE, 2015, , .	0.8	0
189	Multi-Functional OCT Image Processing for Rodent Eyes. , 2016, , .		0
190	Current Status on Adaptive Optics for Retinal Imaging. , 2016, , .		0
191	Depth encoded three-beam swept source Doppler optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
192	Total retinal blood flow and reproducibility evaluation by three beam optical Doppler tomography. , 2016, , .		0
193	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
194	Special Feature Development and Application of Optical Coherence Tomography (OCT). Applied Sciences (Switzerland), 2017, 7, 1507.	2.5	0
195	Optical Coherence Tomography and Its Application to Imaging of Skin and Retina. , 2018, , 155-167.		0
196	HIGH SPEED SIMULTANEOUS SLO/OCT IMAGING OF THE HUMAN RETINA WITH ADAPTIVE OPTICS â€œ Oral Paper. , 2008, , .		0
197	Wide-field, high-speed polarization sensitive spectral domain OCT for measuring retardation, birefringence and retinal nerve fiber layer thickness. , 2012, , .		0
198	High-speed polarization-sensitive optical coherence tomography (PS-OCT) at 1060 nm. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
199	Polarization Sensitive Spectral Domain Optical Coherence Tomography of Cataract Lenses. , 2012, , .		0
200	Imaging Human Rod and Cone Photoreceptors with Adaptive Optics SLO/OCT. , 2013, , .		0
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204	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0
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