

# Christoph K Hitzemberger

## List of Publications by Year in descending order

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Version: 2024-02-01

280  
papers

13,876  
citations

22153

59  
h-index

23533

111  
g-index

283  
all docs

283  
docs citations

283  
times ranked

5960  
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.	2.9	2
2	Baseline predictors for subretinal fibrosis in neovascular age-related macular degeneration. Scientific Reports, 2022, 12, 88.	3.3	12
3	Farewell editorial. Biomedical Optics Express, 2022, 13, 408.	2.9	0
4	Large field of view depolarization mapping in the human retina using polarization-sensitive OCT. , 2022, , .		0
5	Early Identification of Retinal Neuropathy in Subclinical Diabetic Eyes by Reduced Birefringence of the Peripapillary Retinal Nerve Fiber Layer. , 2021, 62, 24.		3
6	Identification and quantification of fibrotic areas in the human retina using polarization-sensitive OCT. Biomedical Optics Express, 2021, 12, 4380.	2.9	15
7	Retinal adaptive optics imaging with a pyramid wavefront sensor. Biomedical Optics Express, 2021, 12, 5969.	2.9	8
8	Temporal phase evolution OCT for measurement of tissue deformation in the human retina in-vivo. Biomedical Optics Express, 2021, 12, 7092.	2.9	3
9	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
10	Optical Coherence Tomography Findings in the Retinas of SOD1 Knockout Mice. Translational Vision Science and Technology, 2020, 9, 15.	2.2	4
11	Relationship between morphological and vascular alterations in geographic atrophy using a multimodal imaging approach. Acta Ophthalmologica, 2020, 98, e700-e708.	1.1	3
12	Analysis of longitudinal sections of retinal vessels using Doppler OCT. Biomedical Optics Express, 2020, 11, 1772.	2.9	6
13	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
14	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
15	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
16	10th Anniversary of Biomedical Optics Express: editorial. Biomedical Optics Express, 2020, 11, 267.	2.9	0
17	Cellular resolution AO-OCT imaging of the retina with an extended field of view. , 2020, , .		0
18	Hyperspectral optical coherence tomography for in vivo visualization of melanin in the retinal pigment epithelium. Journal of Biophotonics, 2019, 12, e201900153.	2.3	21

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19	Identification and Quantification of the Angiofibrotic Switch in Neovascular AMD. , 2019, 60, 304.		24
20	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
21	Investigating spontaneous retinal venous pulsation using Doppler optical coherence tomography. Scientific Reports, 2019, 9, 4237.	3.3	10
22	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
23	IMAGING OF VITELLIFORM MACULAR LESIONS USING POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 558-569.	1.7	7
24	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
25	Revealing brain pathologies with multimodal visible light optical coherence microscopy and fluorescence imaging. Journal of Biomedical Optics, 2019, 24, 1.	2.6	16
26	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
27	Polarization-sensitive imaging with simultaneous bright- and dark-field optical coherence tomography. Optics Letters, 2019, 44, 4040.	3.3	5
28	Hyperspectral optical coherence tomography: a tool for in vivo visualization of melanin in the retinal pigment epithelium. , 2019, , .		1
29	Combined visible light optical coherence microscopy and fluorescence imaging setup to investigate 5-aminolevulinic acid postive glioma samples. , 2019, , .		0
30	Mapping of Corneal Layer Thicknesses With Polarization-Sensitive Optical Coherence Tomography Using a Conical Scan Pattern. , 2018, 59, 5579.		15
31	Segmentation of Retinal Layers in OCT Images of the Mouse Eye Utilizing Polarization Contrast. Lecture Notes in Computer Science, 2018, , 310-318.	1.3	1
32	Optical coherence tomography in Optics Express [Invited]. Optics Express, 2018, 26, 24240.	3.4	16
33	In Vivo Characterization of Spontaneous Retinal Neovascularization in the Mouse Eye by Multifunctional Optical Coherence Tomography. , 2018, 59, 2054.		15
34	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
35	Beyond backscattering: optical neuroimaging by BRAD. Biomedical Optics Express, 2018, 9, 2476.	2.9	25
36	Adaptable switching schemes for time-encoded multichannel optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1.	2.6	6

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37	Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. Journal of Biomedical Optics, 2018, 23, 1.	2.6	18
38	Assessment of pathological features in Alzheimer's disease brain tissue with a large field-of-view visible-light optical coherence microscope. Neurophotonics, 2018, 5, 1.	3.3	20
39	Imaging Brain Pathology in Alzheimer's Disease by Contrast-Enhanced Optical Coherence Tomography. , 2018, , .		0
40	Visible light spectral domain optical coherence microscopy system for ex vivo imaging. Proceedings of SPIE, 2017, , .	0.8	2
41	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
42	Retinal pigment epithelial features indicative of neovascular progression in age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 1361-1366.	3.9	16
43	Visualization of neuritic plaques in Alzheimer's disease by polarization-sensitive optical coherence microscopy. Scientific Reports, 2017, 7, 43477.	3.3	41
44	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
45	Ocular fundus pulsations within the posterior rat eye: Choroidal motion and response to elevated intraocular pressure. Scientific Reports, 2017, 7, 8780.	3.3	10
46	Spectroscopic imaging with spectral domain visible light optical coherence microscopy in Alzheimer's disease brain samples. Biomedical Optics Express, 2017, 8, 4007.	2.9	51
47	Polarization sensitive optical coherence tomography "a review [Invited]. Biomedical Optics Express, 2017, 8, 1838.	2.9	299
48	Conical scan pattern for enhanced visualization of the human cornea using polarization-sensitive OCT. Biomedical Optics Express, 2017, 8, 2906.	2.9	28
49	Increasing the field of view of adaptive optics scanning laser ophthalmoscopy. Biomedical Optics Express, 2017, 8, 4811.	2.9	26
50	Multi-directional optical coherence tomography for retinal imaging. Biomedical Optics Express, 2017, 8, 5560.	2.9	24
51	Posterior rat eye during acute intraocular pressure elevation studied using polarization sensitive optical coherence tomography. Biomedical Optics Express, 2017, 8, 298.	2.9	14
52	Influence of wave-front sampling in adaptive optics retinal imaging. Biomedical Optics Express, 2017, 8, 1083.	2.9	5
53	Multi-functional optical coherence tomography imaging of spontaneous neovascularization in the mouse retina. , 2017, , .		0
54	Adolf Friedrich Fercher: a pioneer of biomedical optics. Journal of Biomedical Optics, 2017, 22, 1.	2.6	6

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55	Visible light spectral domain optical coherence microscopy system for ex vivo brain imaging. , 2017, , .		1
56	Polarization-sensitive optical coherence microscopy of human brain samples. , 2017, , .		2
57	Multimode fiber for angle-resolved optical coherence tomography. , 2017, , .		0
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	Few-mode fiber detection for tissue characterization in optical coherence tomography. , 2017, , .		1
61	Automated Identification and Quantification of Subretinal Fibrosis in Neovascular Age-Related Macular Degeneration Using Polarization-Sensitive OCT. , 2016, 57, 1699.		39
62	Retinal Pigment Epithelial Features in Central Serous Chorioretinopathy Identified by Polarization-Sensitive Optical Coherence Tomography. , 2016, 57, 1595.		23
63	Multi-Functional OCT Image Processing for Rodent Eyes. , 2016, , .		0
64	Multi-Functional OCT Enables Longitudinal Study of Retinal Changes in a VLDLR Knockout Mouse Model. PLoS ONE, 2016, 11, e0164419.	2.5	31
65	Continuing the success of Biomedical Optics Express: editorial. Biomedical Optics Express, 2016, 7, 420.	2.9	1
66	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
67	OSA introduces a new conflicts of interest policy with Biomedical Optics Express: editorial. Biomedical Optics Express, 2016, 7, 3139.	2.9	1
68	Active-passive path-length encoded (APPLE) Doppler OCT. Biomedical Optics Express, 2016, 7, 5233.	2.9	21
69	Key Developments for Partial Coherence Biometry and Optical Coherence Tomography in the Human Eye Made in Vienna. , 2016, 57, OCT460.		16
70	Total retinal blood flow measurement by three beam Doppler optical coherence tomography. Biomedical Optics Express, 2016, 7, 287.	2.9	69
71	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
72	Depth encoded three-beam swept source Doppler optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0

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73	Total retinal blood flow and reproducibility evaluation by three beam optical Doppler tomography. , 2016, , .		0
74	Multi-channel depth encoded swept source joint aperture Doppler optical coherence tomography. , 2016, , .		1
75	Total retinal blood flow in healthy and glaucomatous human eyes measured with three beam Doppler optical coherence tomography. , 2016, , .		2
76	Melanin Pigmentation in Rat Eyes: In Vivo Imaging by Polarization-Sensitive Optical Coherence Tomography and Comparison to Histology. , 2015, 56, 7462.		44
77	Polarization-Sensitive Optical Coherence Tomography and Conventional Retinal Imaging Strategies in Assessing Foveal Integrity in Geographic Atrophy. , 2015, 56, 5246.		19
78	Spectral degree of polarization uniformity for polarization-sensitive OCT. Journal of Modern Optics, 2015, 62, 1758-1763.	1.3	7
79	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0
80	In vivo imaging of retinal and choroidal vasculature in the rodent eye using optical coherence tomography. Proceedings of SPIE, 2015, , .	0.8	0
81	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
82	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
83	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
84	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
85	High-resolution polarization sensitive OCT for ocular imaging in rodents. Proceedings of SPIE, 2015, , .	0.8	1
86	Retinal nerve fiber bundle tracing and analysis in human eye by polarization sensitive OCT. Biomedical Optics Express, 2015, 6, 1030.	2.9	34
87	Imaging of retinal vasculature using adaptive optics SLO/OCT. Biomedical Optics Express, 2015, 6, 1407.	2.9	32
88	In Vivo Imaging of Retinal and Choroidal Vasculature in the Rodent Eye using Optical Coherence Tomography. , 2015, , .		0
89	MUW Approach of PS OCT. , 2015, , 1103-1136.		0
90	Comparison of the polarization properties in the retinas of different rodents using high resolution polarization sensitive OCT. , 2015, , .		0

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91	Acousto Optic Modulation Based En face AO SLO OCT. , 2015, , 1921-1939.		1
92	Motion artifact and speckle noise reduction in polarization sensitive optical coherence tomography by retinal tracking. Biomedical Optics Express, 2014, 5, 106.	2.9	44
93	Adaptive optics SLO/OCT for 3D imaging of human photoreceptors in vivo. Biomedical Optics Express, 2014, 5, 439.	2.9	95
94	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
95	Introduction to the BIOMED 2014 feature issue. Biomedical Optics Express, 2014, 5, 4144.	2.9	0
96	RETINAL PIGMENT EPITHELIUM FINDINGS IN PATIENTS WITH ALBINISM USING WIDE-FIELD POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2014, 34, 2208-2217.	1.7	18
97	Detection and Analysis of Hard Exudates by Polarization-Sensitive Optical Coherence Tomography in Patients With Diabetic Maculopathy. , 2014, 55, 1564.		49
98	Peripapillary Rat Sclera Investigated In Vivo With Polarization-Sensitive Optical Coherence Tomography. , 2014, 55, 7686.		32
99	Fibre based polarization sensitive optical coherence tomography using a swept source at 1040 nm. , 2014, , .		0
100	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
101	Measuring Retinal Nerve Fiber Layer Birefringence, Retardation, and Thickness Using Wide-Field, High-Speed Polarization Sensitive Spectral Domain OCT. , 2013, 54, 72.		50
102	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.	2.6	29
103	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
104	Henle fiber layer phase retardation measured with polarization-sensitive optical coherence tomography. Biomedical Optics Express, 2013, 4, 2296.	2.9	36
105	<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
106	Characterization of Stargardt Disease Using Polarization-Sensitive Optical Coherence Tomography and Fundus Autofluorescence Imaging. , 2013, 54, 6416.		33
107	Lesion Size Detection in Geographic Atrophy by Polarization-Sensitive Optical Coherence Tomography and Correlation to Conventional Imaging Techniques. , 2013, 54, 739.		31
108	Imaging Human Rod and Cone Photoreceptors with Adaptive Optics SLO/OCT. , 2013, , .		0

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109	Automated measurement of choroidal thickness in the human eye by polarization sensitive optical coherence tomography. Optics Express, 2012, 20, 7564.	3.4	50
110	Polarization sensitive optical coherence tomography of melanin provides intrinsic contrast based on depolarization. Biomedical Optics Express, 2012, 3, 1670.	2.9	134
111	Large-field high-speed polarization sensitive spectral domain OCT and its applications in ophthalmology. Biomedical Optics Express, 2012, 3, 2720.	2.9	46
112	Introduction to the BIOMED 2012 Feature Issue. Biomedical Optics Express, 2012, 3, 2771.	2.9	0
113	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
114	Lens based adaptive optics scanning laser ophthalmoscope. Optics Express, 2012, 20, 17297.	3.4	53
115	High-speed polarization-sensitive OCT at 1060 nm using a Fourier domain mode-locked swept source. Proceedings of SPIE, 2012, , .	0.8	1
116	Broadband Fourier domain mode-locked laser for optical coherence tomography at 1060 nm. Proceedings of SPIE, 2012, , .	0.8	8
117	MORPHOLOGIC CHARACTERISTICS OF IDIOPATHIC JUXTAFOVEAL TELANGIECTASIA USING SPECTRAL-DOMAIN AND POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2012, 32, 256-264.	1.7	8
118	High-Speed Retinal Imaging with Polarization-Sensitive OCT at 1040 nm. Optometry and Vision Science, 2012, 89, 585-592.	1.2	16
119	Imaging of retinal lesions in age related macula degeneration using wide field polarization sensitive optical coherence tomography. , 2012, , .		1
120	Wide-field, high-speed polarization sensitive spectral domain OCT for measuring retardation, birefringence and retinal nerve fiber layer thickness. , 2012, , .		0
121	High-speed polarization-sensitive optical coherence tomography (PS-OCT) at 1060 nm. , 2012, , .		0
122	Polarization Sensitive Spectral Domain Optical Coherence Tomography of Cataract Lenses. , 2012, , .		0
123	Quantitative principal component model for skin chromophore mapping using multi-spectral images and spatial priors. Biomedical Optics Express, 2011, 2, 1040.	2.9	17
124	Visualization of microvasculature by dual-beam phase-resolved Doppler optical coherence tomography. Optics Express, 2011, 19, 1217.	3.4	142
125	Speckle noise reduction in high speed polarization sensitive spectral domain optical coherence tomography. Optics Express, 2011, 19, 14568.	3.4	73
126	Speckle noise reduction by averaging in polarization sensitive spectral domain optical coherence tomography. , 2011, , .		0



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127	Performance of Automated Drusen Detection by Polarization-Sensitive Optical Coherence Tomography. , 2011, 52, 4571.		62
128	Ultra-high-speed polarization sensitive OCT in the human retina using a single spectrometer. , 2011, , .		1
129	Polarization sensitive optical coherence tomography in the human eye. Progress in Retinal and Eye Research, 2011, 30, 431-451.	15.5	228
130	Spectral domain polarization sensitive optical coherence tomography at 1.55 $\mu$ m: novel developments and applications for dynamic studies in materials science. , 2011, , .		4
131	Retinal optical coherence tomography: past, present and future perspectives. British Journal of Ophthalmology, 2011, 95, 171-177.	3.9	95
132	Imaging of the Human Retina by Polarization Sensitive and Cellular Resolution OCT. , 2011, , .		0
133	Quantification of retinal lesions by polarization sensitive optical coherence tomography. , 2010, , .		0
134	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
135	Dynamic testing: new insights with polarization-sensitive optical coherence tomography in the Fourier domain. EPJ Web of Conferences, 2010, 6, 10003.	0.3	1
136	Principal component model of multispectral data for near real-time skin chromophore mapping. Journal of Biomedical Optics, 2010, 15, 046007.	2.6	22
137	Imaging of the Retinal Pigment Epithelium in Age-Related Macular Degeneration Using Polarization-Sensitive Optical Coherence Tomography. , 2010, 51, 2149.		120
138	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
139	Polarimetric analysis of the human cornea measured by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 056004.	2.6	38
140	Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. Proceedings of SPIE, 2010, , .	0.8	0
141	Polarization sensitive optical coherence tomography of melanin provides tissue inherent contrast based on depolarization. , 2010, , .		5
142	Ultrahigh-resolution fiber-based polarization sensitive spectral domain optical coherence tomography. Proceedings of SPIE, 2010, , .	0.8	0
143	Direct curvature correction for noncontact imaging modalities applied to multispectral imaging. Journal of Biomedical Optics, 2010, 15, 046013.	2.6	38
144	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

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145	Dynamic optical studies in materials testing with spectral-domain polarization-sensitive optical coherence tomography. Optics Express, 2010, 18, 25712.	3.4	45
146	Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. Optics Letters, 2010, 35, 241.	3.3	21
147	Sample motion-insensitive, full-range, complex, spectral-domain optical-coherence tomography. Optics Letters, 2010, 35, 3913.	3.3	18
148	New Developments in Optical Coherence Tomography Technology. Essentials in Ophthalmology, 2010, , 201-216.	0.1	2
149	Quantitative assessment of ischemia and reactive hyperemia of the dermal layers using multi - spectral imaging on the human arm. Proceedings of SPIE, 2009, , .	0.8	4
150	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
151	High speed, high resolution SLO/OCT for investigating temporal changes of single cone photoreceptors in vivo. Proceedings of SPIE, 2009, , .	0.8	0
152	Advanced image processing of retardation scans for polarization-sensitive optical coherence tomography. Proceedings of SPIE, 2009, , .	0.8	0
153	Imaging of the whole anterior eye segment with full-range complex spectral domain optical coherence tomography. , 2009, , .		0
154	Quantitative assessment of retinal disorders using polarization-sensitive optical coherence tomography. Proceedings of SPIE, 2009, , .	0.8	1
155	Measurements of depolarization distribution in the healthy human macula by polarization sensitive OCT. Journal of Biophotonics, 2009, 2, 426-434.	2.3	38
156	Phase contrast coherence microscopy based on transverse scanning. Optics Letters, 2009, 34, 1750.	3.3	14
157	Optical Coherence Tomography (OCT) in Ophthalmology: Introduction. Optics Express, 2009, 17, 3978.	3.4	81
158	Three-dimensional polarization sensitive OCT imaging and interactive display of the human retina. Optics Express, 2009, 17, 4151.	3.4	63
159	Polarization maintaining fiber based ultra-high resolution spectral domain polarization sensitive optical coherence tomography. Optics Express, 2009, 17, 22704.	3.4	96
160	Quantitative measurement of the degree of polarization uniformity of light backscattered by retinal layers by polarization sensitive OCT. , 2009, , .		0
161	In vivo bi-directional Doppler Fourier-domain optical coherence tomography for measurement of absolute flow velocities. Proceedings of SPIE, 2009, , .	0.8	0
162	Imaging the human retina in vivo with combined spectral-domain polarization-sensitive optical coherence tomography and scanning laser ophthalmoscopy. , 2009, , .		2

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163	Modeling human corneal polarization properties and comparison with PS-OCT measurements. Proceedings of SPIE, 2009, , .	0.8	3
164	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
165	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
166	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
167	Retinal pigment epithelium segmentation by polarization sensitive optical coherence tomography. Optics Express, 2008, 16, 16410.	3.4	289
168	Improved sensitivity measurement of the human eye length in vivo with Fourier domain optical coherence tomography. , 2008, , .		0
169	Simultaneous SLO/OCT imaging of the human retina in vivo with high speed axial eye motion correction. , 2008, , .		0
170	Simple technique for full-range complex spectral domain optical coherence tomography. , 2008, , .		0
171	Segmentation of the retinal pigment epithelium by polarization sensitive optical coherence tomography. , 2008, , .		0
172	Analysis of the Origin of Atypical Scanning Laser Polarimetry Patterns by Polarization-Sensitive Optical Coherence Tomography. , 2008, 49, 5366.		34
173	HIGH SPEED SIMULTANEOUS SLO/OCT IMAGING OF THE HUMAN RETINA WITH ADAPTIVE OPTICS â€œ Oral Paper. , 2008, , .		0
174	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
175	Corneal birefringence compensation for polarization sensitive optical coherence tomography of the human retina. Journal of Biomedical Optics, 2007, 12, 041210.	2.6	58
176	Single- vs. two-camera based spectral-domain polarization-sensitive OCT systems. , 2007, , .		0
177	One-camera spectral-domain polarization-sensitive optical coherence tomography. , 2007, , .		0
178	Comparison of scanning laser polarimetry and polarization sensitive spectral domain optical coherence tomography. , 2007, , .		1
179	Dispersion-based optical coherence tomography OCT measurement of mixture concentrations. Optics Letters, 2007, 32, 2924.	3.3	9
180	Single camera based spectral domain polarization sensitive optical coherence tomography. Optics Express, 2007, 15, 1054.	3.4	83

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181	Full range complex spectral domain optical coherence tomography without additional phase shifters. Optics Express, 2007, 15, 13375.	3.4	155
182	Simultaneous SLO/OCT imaging of the human retina with axial eye motion correction. Optics Express, 2007, 15, 16922.	3.4	86
183	Imaging of Birefringent Properties of Keratoconus Corneas by Polarization-Sensitive Optical Coherence Tomography. , 2007, 48, 3551.		69
184	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
185	Retinal cone mosaic imaged with transverse scanning optical coherence tomography. Optics Letters, 2006, 31, 1821.	3.3	110
186	Transversal ultrahigh-resolution polarizationsensitive optical coherence tomography for strain mapping in materials. Optics Express, 2006, 14, 5945.	3.4	65
187	Optical Coherence Tomography for Examination of Parchment Degradation. Laser Chemistry, 2006, 2006, 1-6.	0.5	12
188	Optical coherence tomography of the human retina with dynamic focus. , 2006, 6079, 60.		0
189	Polarization properties of ocular tissue imaged with polarization sensitive spectral domain optical coherence tomography. , 2006, 6079, 399.		0
190	Ultra-high resolution, polarization sensitive transversal optical coherence tomography for structural analysis and strain mapping. , 2006, , .		0
191	Human Macula Investigated In Vivo with Polarization-Sensitive Optical Coherence Tomography. , 2006, 47, 5487.		181
192	In vivo imaging with high-speed full-range complex spectral domain optical coherence tomography. , 2005, 5690, 121.		0
193	Imaging of the polarizing properties of human retinal layers by polarization sensitive optical coherence tomography. , 2005, 5688, 120.		0
194	Three-dimensional polarization-sensitive imaging of human retina in vivo with phase-resolved transversal OCT. , 2005, , .		0
195	Non-destructive quantification of internal stress in polymer materials by polarisation sensitive optical coherence tomography. Acta Materialia, 2005, 53, 2785-2791.	7.9	41
196	Depolarization Effects in Human Tissue Investigated with Transversal PS-OCT. , 2005, , MF2.		0
197	Ultrahigh-resolution polarization-sensitive optical coherence tomography. , 2005, , .		9
198	Ultra-high resolution optical coherence tomography for material characterization and quality control. , 2005, 5714, 108.		4

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199	High speed full range complex spectral domain optical coherence tomography. Optics Express, 2005, 13, 583.	3.4	135
200	En-face scanning optical coherence tomography with ultra-high resolution for material investigation. Optics Express, 2005, 13, 1015.	3.4	107
201	High speed spectral domain polarization sensitive optical coherence tomography of the human retina. Optics Express, 2005, 13, 10217.	3.4	265
202	Transversal phase resolved polarization sensitive optical coherence tomography. Physics in Medicine and Biology, 2004, 49, 1257-1263.	3.0	135
203	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
204	Three dimensional polarization sensitive OCT of human skin in vivo. Optics Express, 2004, 12, 3236.	3.4	101
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