# Michael Pircher

List of Publications by Year
in descending order



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|---|---|---|---|
| 212 papers | 7,452 citations | 53794 45 h-index | 66911 78 g-index |
| 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. | 2.9 | 2 |
| 2 | Baseline predictors for subretinal fibrosis in neovascular age-related macular degeneration. Scientific Reports, 2022, 12, 88. | 3.3 | 12 |
| 3 | Multi-modal and multi-scale clinical retinal imaging system with pupil and retinal tracking. Scientific Reports, 2022, 12, . | 3.3 | 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. | 2.5 | 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. | 2.9 | 15 |
| 8 | Retinal adaptive optics imaging with a pyramid wavefront sensor. Biomedical Optics Express, 2021, 12, 5969. | 2.9 | 8 |
| 9 | Temporal phase evolution OCT for measurement of tissue deformation in the human retina in-vivo. Biomedical Optics Express, 2021, 12, 7092. | 2.9 | 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. | 2.2 | 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. | 3.3 | 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. | 3.3 | 22 |
| 18 | OCTA Multilayer and Multisector Peripapillary Microvascular Modeling for Diagnosing and Staging of Glaucoma. Translational Vision Science and Technology, 2020, 9, 58. | 2.2 | 16 |

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| 19 | Relationship between morphological and vascular alterations in geographic atrophy using a multimodal imaging approach. Acta Ophthalmologica, 2020, 98, e700-e708. | 1.1 | 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. Biomedical Optics Express, 2020, 11, 1772. | 2.9 | 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. Biomedical Optics Express, 2020, 11, 4520. | 2.9 | 21 |
| 23 | 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 |
| 24 | 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 |
| 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). Optics Express, 2020, 28, 36723. | 3.4 | 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. Applied Sciences (Switzerland), 2019, 9, 2700. | 2.5 | 19 |
| 28 | Identification and Quantification of the Angiofibrotic Switch in Neovascular AMD. , 2019, 60, 304. | | 24 |
| 29 | Three-Dimensional Adaptive Opticsâ€“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. Scientific Reports, 2019, 9, 4237. | 3.3 | 10 |
| 31 | 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 |
| 32 | IMAGING OF VITELLIFORM MACULAR LESIONS USING POLARIZATION-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 558-569. | 1.7 | 7 |
| 33 | THREE-DIMENSIONAL ANALYSIS OF RETINAL MICROANEURYSMS WITH ADAPTIVE OPTICS OPTICAL COHERENCE TOMOGRAPHY. Retina, 2019, 39, 465-472. | 1.7 | 28 |
| 34 | Impact of drusen and drusenoid retinal pigmentÂepithelium elevation size and structure on the integrity of the retinal pigment epithelium layer. British Journal of Ophthalmology, 2019, 103, 227-232. | 3.9 | 16 |
| 35 | Progress in Multimodal En Face Imaging: feature introduction. Biomedical Optics Express, 2019, 10, 2135. | 2.9 | 3 |
| 36 | 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 |

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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. | 2.9 | 22 |
| 42 | Adaptable switching schemes for time-encoded multichannel optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1. | 2.6 | 6 |
| 43 | Polarization-sensitive optical coherence tomography imaging of the anterior mouse eye. Journal of Biomedical Optics, 2018, 23, 1. | 2.6 | 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. | 3.9 | 105 |
| 45 | Retinal pigment epithelial features indicative of neovascular progression in age-related macular degeneration. British Journal of Ophthalmology, 2017, 101, 1361-1366. | 3.9 | 16 |
| 46 | Visualization of neuritic plaques in Alzheimerâ€™s disease by polarization-sensitive optical coherence microscopy. Scientific Reports, 2017, 7, 43477. | 3.3 | 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. | 2.9 | 64 |
| 49 | Review of adaptive optics OCT (AO-OCT): principles and applications for retinal imaging [Invited]. Biomedical Optics Express, 2017, 8, 2536. | 2.9 | 142 |
| 50 | Conical scan pattern for enhanced visualization of the human cornea using polarization-sensitive OCT. Biomedical Optics Express, 2017, 8, 2906. | 2.9 | 28 |
| 51 | Increasing the field of view of adaptive optics scanning laser ophthalmoscopy. Biomedical Optics Express, 2017, 8, 4811. | 2.9 | 26 |
| 52 | Multi-directional optical coherence tomography for retinal imaging. Biomedical Optics Express, 2017, 8, 5560. | 2.9 | 24 |
| 53 | Noniterative digital aberration correction for cellular resolution retinal optical coherence tomography in vivo. Optica, 2017, 4, 924. | 9.3 | 73 |
| 54 | Posterior rat eye during acute intraocular pressure elevation studied using polarization sensitive optical coherence tomography. Biomedical Optics Express, 2017, 8, 298. | 2.9 | 14 |

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| 55 | Influence of wave-front sampling in adaptive optics retinal imaging. Biomedical Optics Express, 2017, 8, 1083. | 2.9 | 5 |
| 56 | Special Feature Development and Application of Optical Coherence Tomography (OCT). Applied Sciences (Switzerland), 2017, 7, 1507. | 2.5 | 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. | 2.5 | 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. | 2.9 | 27 |
| 65 | Active-passive path-length encoded (APPLE) Doppler OCT. Biomedical Optics Express, 2016, 7, 5233. | 2.9 | 21 |
| 66 | 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 |
| 67 | Total retinal blood flow measurement by three beam Doppler optical coherence tomography. Biomedical Optics Express, 2016, 7, 287. | 2.9 | 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. | 3.9 | 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. | 1.3 | 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. | 1.3 | 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. | 3.3 | 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. | 2.6 | 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. | 3.3 | 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. | 2.9 | 34 |
| 85 | Imaging of retinal vasculature using adaptive optics SLO/OCT. Biomedical Optics Express, 2015, 6, 1407. | 2.9 | 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. | 2.9 | 44 |

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| 91 | Adaptive optics SLO/OCT for 3D imaging of human photoreceptors in vivo. Biomedical Optics Express, 2014, 5, 439. | 2.9 | 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. | 2.9 | 38 |
| 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 | 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. | 3.3 | 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 1060Ânm with 350ÂkHz A-scan rate using an Fourier domain mode locked laser. Journal of Biomedical Optics, 2013, 18, 026008. | 2.6 | 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. | 2.9 | 2 |
| 101 | In vitroandin vivothree-dimensional velocity vector measurement by three-beam spectral-domain Doppler optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 116010. | 2.6 | 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. | 3.4 | 50 |
| 106 | Polarization sensitive optical coherence tomography of melanin provides intrinsic contrast based on depolarization. Biomedical Optics Express, 2012, 3, 1670. | 2.9 | 134 |
| 107 | Large-field high-speed polarization sensitive spectral domain OCT and its applications in ophthalmology. Biomedical Optics Express, 2012, 3, 2720. | 2.9 | 46 |
| 108 | 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 |

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| 109 | Lens based adaptive optics scanning laser ophthalmoscope. Optics Express, 2012, 20, 17297. | 3.4 | 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. | 1.7 | 8 |
| 113 | High-Speed Retinal Imaging with Polarization-Sensitive OCT at 1040 nm. Optometry and Vision Science, 2012, 89, 585-592. | 1.2 | 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. | 2.9 | 17 |
| 119 | Introduction: Feature Issue on Cellular Imaging of the Retina. Biomedical Optics Express, 2011, 2, 1778. | 2.9 | 1 |
| 120 | Visualization of microvasculature by dual-beam phase-resolved Doppler optical coherence tomography. Optics Express, 2011, 19, 1217. | 3.4 | 142 |
| 121 | Speckle noise reduction in high speed polarization sensitive spectral domain optical coherence tomography. Optics Express, 2011, 19, 14568. | 3.4 | 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. | 15.5 | 228 |
| 125 | Spectral domain polarization sensitive optical coherence tomography at 1.55 Î¼m: 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. Strain, 2010, 46, 61-68. | 2.4 | 24 |
| 128 | Dynamic testing: new insights with polarization-sensitive optical coherence tomography in the Fourier domain. EPJ Web of Conferences, 2010, 6, 10003. | 0.3 | 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. Journal of Biomedical Optics, 2010, 15, 061704. | 2.6 | 98 |
| 131 | Polarimetric analysis of the human cornea measured by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2010, 15, 056004. | 2.6 | 38 |
| 132 | Single camera polarization sensitive spectral domain OCT by spatial frequency encoding. Proceedings of SPIE, 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. Proceedings of SPIE, 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. Optics Express, 2010, 18, 13935. | 3.4 | 72 |
| 136 | Dynamic optical studies in materials testing with spectral-domain polarization-sensitive optical coherence tomography. Optics Express, 2010, 18, 25712. | 3.4 | 45 |
| 137 | Single-camera polarization-sensitive spectral-domain OCT by spatial frequency encoding. Optics Letters, 2010, 35, 241. | 3.3 | 21 |
| 138 | Sample motion-insensitive, full-range, complex, spectral-domain optical-coherence tomography. Optics Letters, 2010, 35, 3913. | 3.3 | 18 |
| 139 | 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 |
| 140 | High speed, high resolution SLO/OCT for investigating temporal changes of single cone photoreceptors in vivo. Proceedings of SPIE, 2009, , . | 0.8 | 0 |
| 141 | Advanced image processing of retardation scans for polarization-sensitive optical coherence tomography. Proceedings of SPIE, 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. Proceedings of SPIE, 2009, , . | 0.8 | 1 |
| 144 | Measurements of depolarization distribution in the healthy human macula by polarization sensitive OCT. Journal of Biophotonics, 2009, 2, 426-434. | 2.3 | 38 |

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| 145 | Phase contrast coherence microscopy based on transverse scanning. Optics Letters, 2009, 34, 1750. | 3.3 | 14 |
| 146 | Three-dimensional polarization sensitive OCT imaging and interactive display of the human retina. Optics Express, 2009, 17, 4151. | 3.4 | 63 |
| 147 | Polarization maintaining fiber based ultra-high resolution spectral domain polarization sensitive optical coherence tomography. Optics Express, 2009, 17, 22704. | 3.4 | 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. | 2.3 | 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. | 3.3 | 119 |
| 154 | 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 |
| 155 | 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 |
| 156 | Retinal pigment epithelium segmentation by polarization sensitive optical coherence tomography. Optics Express, 2008, 16, 16410. | 3.4 | 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. | 3.9 | 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 â€“ Oral Paper. , 2008, , . | | 0 |
| 164 | Combining adaptive optics with optical coherence tomography: unveiling the cellular structure of the human retinain vivo. Expert Review of Ophthalmology, 2007, 2, 1019-1035. | 0.6 | 47 |
| 165 | Optische KohÃrenztomografie als neues Werkzeug fÃ¼r die zerstÃ¶rungsfreie WerkstoffprÃ¼fung (Optical Coherence Tomography as a Novel Tool for Non-Destructive Material Characterization). TM Technisches Messen, 2007, 74, 51-56. | 0.7 | 2 |
| 166 | Corneal birefringence compensation for polarization sensitive optical coherence tomography of the human retina. Journal of Biomedical Optics, 2007, 12, 041210. | 2.6 | 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. | 3.3 | 9 |
| 171 | Single camera based spectral domain polarization sensitive optical coherence tomography. Optics Express, 2007, 15, 1054. | 3.4 | 83 |
| 172 | Full range complex spectral domain optical coherence tomography without additional phase shifters. Optics Express, 2007, 15, 13375. | 3.4 | 155 |
| 173 | Simultaneous SLO/OCT imaging of the human retina with axial eye motion correction. Optics Express, 2007, 15, 16922. | 3.4 | 86 |
| 174 | Imaging of Birefringent Properties of Keratoconus Corneas by Polarization-Sensitive Optical Coherence Tomography. , 2007, 48, 3551. | | 69 |
| 175 | Investigation of glassâ€“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 |
| 176 | Retinal cone mosaic imaged with transverse scanning optical coherence tomography. Optics Letters, 2006, 31, 1821. | 3.3 | 110 |
| 177 | Transversal ultrahigh-resolution polarizationsensitive optical coherence tomography for strain mapping in materials. Optics Express, 2006, 14, 5945. | 3.4 | 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. | 7.9 | 41 |
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| 190 | Ultrahigh-resolution polarization-sensitive optical coherence tomography. , 2005, , . | | 9 |
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