

# Johannes F De Boer

## List of Publications by Year in descending order

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248  
papers

19,973  
citations

13865

67  
h-index

11052

137  
g-index

250  
all docs

250  
docs citations

250  
times ranked

8964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Disc Hemorrhages Are Associated With Localized Three-Dimensional Neuroretinal Rim Thickness Progression in Open-Angle Glaucoma. <i>American Journal of Ophthalmology</i> , 2022, 234, 188-198.	3.3	3
2	Label-free Raman and fluorescence imaging of amyloid plaques in human Alzheimer's disease brain tissue reveal carotenoid accumulations. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 054005.	2.2	8
3	Pupil apodization in digital holographic microscopy for reduction of coherent imaging effects. , 2022, 1, 1202.		4
4	Detailed optical coherence tomography angiographic short-term response of type 3 neovascularization to combined treatment with photodynamic therapy and intravitreal bevacizumab. <i>Acta Ophthalmologica</i> , 2021, 99, 207-214.	1.1	3
5	Ultimate resolution limits of speckle-based compressive imaging. <i>Optics Express</i> , 2021, 29, 3943.	3.4	16
6	Earlier Detection of Glaucoma Progression Using High-Density 3-Dimensional Spectral-Domain OCT Optic Nerve Volume Scans. <i>Ophthalmology Glaucoma</i> , 2021, 4, 604-616.	1.9	8
7	Multimodal, label-free fluorescence and Raman imaging of amyloid deposits in snap-frozen Alzheimer's disease human brain tissue. <i>Communications Biology</i> , 2021, 4, 474.	4.4	24
8	Attenuation coefficient estimation in Fourier-domain OCT of multi-layered phantoms. <i>Biomedical Optics Express</i> , 2021, 12, 2744.	2.9	5
9	Structure-Function Mapping Using a Three-Dimensional Neuroretinal Rim Parameter Derived From Spectral Domain Optical Coherence Tomography Volume Scans. <i>Translational Vision Science and Technology</i> , 2021, 10, 28.	2.2	1
10	Stimulated Raman scattering simulation for imaging optimization. <i>Journal of the European Optical Society-Rapid Publications</i> , 2021, 17, .	1.9	6
11	Polarization Sensitive Optical Coherence Tomography for Bronchoscopic Airway Smooth Muscle Detection in Bronchial Thermoplasty-Treated Patients With Asthma. <i>Chest</i> , 2021, 160, 432-435.	0.8	18
12	Investigation of methods to extract confocal function parameters for the depth resolved determination of attenuation coefficients using OCT in intralipid samples, titanium oxide phantoms, and in vivo human retinas. <i>Biomedical Optics Express</i> , 2021, 12, 6814.	2.9	7
13	Polarization-sensitive optical coherence tomography in end-stage lung diseases: an ex vivo pilot study. <i>Biomedical Optics Express</i> , 2021, 12, 6796.	2.9	4
14	Aberration calibration and correction with nano-scatterers in digital holographic microscopy for semiconductor metrology. <i>Optics Express</i> , 2021, 29, 38237.	3.4	9
15	Optical coherence tomography ( OCT ) to image active and inactive retinoblastomas as well as retinomas. <i>Acta Ophthalmologica</i> , 2020, 98, 158-165.	1.1	5
16	The search for a unique Raman signature of amyloid-beta plaques in human brain tissue from Alzheimer's disease patients. <i>Analyst, The</i> , 2020, 145, 1724-1736.	3.5	27
17	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Neuroretinal Rim Thickness Using Spectral-Domain Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2020, 9, 10.	2.2	10
18	Artifact Rates for 2D Retinal Nerve Fiber Layer Thickness Versus 3D Retinal Nerve Fiber Layer Volume. <i>Translational Vision Science and Technology</i> , 2020, 9, 12.	2.2	26

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19	In Vivo 3D Determination of Peripapillary Scleral and Retinal Layer Architecture Using Polarization-Sensitive Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2020, 9, 21.	2.2	23
20	Endo-microscopy beyond the Abbe and Nyquist limits. <i>Light: Science and Applications</i> , 2020, 9, 81.	16.6	54
21	Subretinal Fibrosis Detection Using Polarization Sensitive Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2020, 9, 13.	2.2	12
22	Toward clinical elastography of dermal tissues: A medical device to probe skin's elasticity through suction, with subsurface imaging via optical coherence tomography. <i>Review of Scientific Instruments</i> , 2020, 91, 074101.	1.3	4
23	Label-free stimulated Raman scattering imaging reveals silicone breast implant material in tissue. <i>Journal of Biophotonics</i> , 2020, 13, e201960197.	2.3	13
24	Analysis of attenuation coefficient estimation in Fourier-domain OCT of semi-infinite media. <i>Biomedical Optics Express</i> , 2020, 11, 6093.	2.9	10
25	In vivo endoscopic multifunctional optical coherence tomography imaging of lungs periphery before and after bronchial thermoplasty. <i>EPJ Web of Conferences</i> , 2020, 238, 04002.	0.3	2
26	Sensitivity analysis of Raman endoscopy with and without wavefront shaping. <i>Optics Express</i> , 2020, 28, 3779.	3.4	3
27	Impact of coherence length on the field of view in dark-field holographic microscopy for semiconductor metrology: theoretical and experimental comparisons. <i>Applied Optics</i> , 2020, 59, 3498.	1.8	4
28	Classification and treatment follow-up of a juxtapapillary retinal hemangioblastoma with optical coherence tomography angiography. <i>American Journal of Ophthalmology Case Reports</i> , 2019, 15, 100472.	0.7	7
29	Optical coherence tomography to detect acute esophageal radiation-induced damage in mice: A validation study. <i>Journal of Biophotonics</i> , 2019, 12, e201800440.	2.3	5
30	Analysis of Neuroretinal Rim by Age, Race, and Sex Using High-Density 3-Dimensional Spectral-Domain Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2019, 28, 979-988.	1.6	6
31	Diagnostic Capability of 3D Peripapillary Retinal Volume for Glaucoma Using Optical Coherence Tomography Customized Software. <i>Journal of Glaucoma</i> , 2019, 28, 708-717.	1.6	5
32	Three-Dimensional Optical Coherence Tomography Imaging For Glaucoma Associated With Boston Keratoprosthesis Type I and II. <i>Journal of Glaucoma</i> , 2019, 28, 718-726.	1.6	10
33	Treatment Effects in Retinal Angiomatous Proliferation Imaged with OCT Angiography. <i>Ophthalmologica</i> , 2019, 241, 143-153.	1.9	7
34	Stimulated Raman scattering microscopy with long wavelengths for improved imaging depth. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1321-1328.	2.5	23
35	In vivo subdiffuse scanning laser oximetry of the human retina. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	3
36	Precision analysis and optimization in phase decorrelation OCT velocimetry. <i>Biomedical Optics Express</i> , 2019, 10, 1297.	2.9	15

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37	Phase-based OCT angiography in diagnostic imaging of pediatric retinoblastoma patients: abnormal blood vessels in post-treatment regression patterns. <i>Biomedical Optics Express</i> , 2019, 10, 2213.	2.9	18
38	In vivo multifunctional optical coherence tomography at the periphery of the lungs. <i>Biomedical Optics Express</i> , 2019, 10, 3070.	2.9	23
39	Optical coherence tomography velocimetry based on decorrelation estimation of phasor pair ratios (DEPPAIR). <i>Biomedical Optics Express</i> , 2019, 10, 5470.	2.9	9
40	Optic axis uniformity as a metric to improve the contrast of birefringent structures and analyze the retinal nerve fiber layer in polarization-sensitive optical coherence tomography. <i>Optics Letters</i> , 2019, 44, 3893.	3.3	19
41	In vivo exploration of retinal nerve fiber layer morphology in Parkinson's disease patients. <i>Journal of Neural Transmission</i> , 2018, 125, 931-936.	2.8	11
42	Fast microplastics identification with stimulated Raman scattering microscopy. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1136-1144.	2.5	100
43	Amyloid-beta and phosphorylated tau in post-mortem Alzheimer's disease retinas. <i>Acta Neuropathologica Communications</i> , 2018, 6, 147.	5.2	138
44	Effects of Age, Race, and Ethnicity on the Optic Nerve and Peripapillary Region Using Spectral-Domain OCT 3D Volume Scans. <i>Translational Vision Science and Technology</i> , 2018, 7, 12.	2.2	25
45	Diagnostic Capability of Three-Dimensional Macular Parameters for Glaucoma Using Optical Coherence Tomography Volume Scans. , 2018, 59, 4998.		14
46	In vivo retinal imaging for fixational eye motion detection using a high-speed digital micromirror device (DMD)-based ophthalmoscope. <i>Biomedical Optics Express</i> , 2018, 9, 591.	2.9	5
47	Feasibility of using optical coherence tomography to detect radiation-induced fibrosis and residual cancer extent after neoadjuvant chemo-radiation therapy: an ex vivo study. <i>Biomedical Optics Express</i> , 2018, 9, 4196.	2.9	4
48	Robustness of Light-Transport Processes to Bending Deformations in Graded-Index Multimode Waveguides. <i>Physical Review Letters</i> , 2018, 120, 233901.	7.8	86
49	Feasibility of using optical coherence tomography to detect acute radiation-induced esophageal damage in small animal models. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	5
50	High resolution combined molecular and structural optical imaging of colorectal cancer in a xenograft mouse model. <i>Biomedical Optics Express</i> , 2018, 9, 6186.	2.9	19
51	Compressive imaging through a multimode fiber. <i>Optics Letters</i> , 2018, 43, 5427.	3.3	68
52	Accurate estimation of the attenuation coefficient from axial point spread function corrected OCT scans of a single layer phantom. , 2018, , .		1
53	Optimal wavelengths for subdiffuse scanning laser oximetry of the human retina. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	2
54	Automatic estimation of retinal nerve fiber bundle orientation in SD-OCT images using a structure-oriented smoothing filter. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2

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55	Diagnostic Capability of Peripapillary Retinal Volume Measurements in Glaucoma. Journal of Glaucoma, 2017, 26, 592-601.	1.6	12
56	Enhanced Diagnostic Capability for Glaucoma of 3-Dimensional Versus 2-Dimensional Neuroretinal Rim Parameters Using Spectral Domain Optical Coherence Tomography. Journal of Glaucoma, 2017, 26, 450-458.	1.6	26
57	Visibility of fiducial markers used for image-guided radiation therapy on optical coherence tomography for registration with <sc>CT</sc>: An esophageal phantom study. Medical Physics, 2017, 44, 6570-6582.	3.0	10
58	Diagnostic Capability of Peripapillary Three-dimensional Retinal Nerve Fiber Layer Volume for Glaucoma Using Optical Coherence Tomography Volume Scans. American Journal of Ophthalmology, 2017, 182, 180-193.	3.3	15
59	Polarization sensitive optical coherence tomography – a review [Invited]. Biomedical Optics Express, 2017, 8, 1838.	2.9	299
60	Digital micromirror device based ophthalmoscope with concentric circle scanning. Biomedical Optics Express, 2017, 8, 2766.	2.9	9
61	Twenty-five years of optical coherence tomography: the paradigm shift in sensitivity and speed provided by Fourier domain OCT [Invited]. Biomedical Optics Express, 2017, 8, 3248.	2.9	168
62	Self-interference fluorescence microscopy with three-phase detection for depth-resolved confocal epi-fluorescence imaging. Optics Express, 2017, 25, 6475.	3.4	0
63	Altered Adipogenesis in Zebrafish Larvae Following High Fat Diet and Chemical Exposure Is Visualised by Stimulated Raman Scattering Microscopy. International Journal of Molecular Sciences, 2017, 18, 894.	4.1	44
64	In vivo polarization-sensitive optical coherence tomography of human burn scars: birefringence quantification and correspondence with histologically determined collagen density. Journal of Biomedical Optics, 2017, 22, 1.	2.6	18
65	Noise-adaptive attenuation coefficient estimation in spectral domain optical coherence tomography data. , 2016, , .		1
66	Feasibility of OCT to detect radiation-induced esophageal damage in small animal models (Conference) Tj ETQq0 0 0 rgBT /Overlock 10		
67	A novel 1050nm handheld OCT imaging system for pediatric retinoblastoma patients: technology development and clinical study (Conference Presentation). , 2016, , .		0
68	Direct Blood Flow Measurements in a Free RPE-Choroid Graft with Phase-Resolved Doppler OCT. Translational Vision Science and Technology, 2015, 4, 2.	2.2	4
69	Parallel line scanning ophthalmoscope for retinal imaging. Optics Letters, 2015, 40, 5335.	3.3	24
70	Optimized signal-to-noise ratio with shot noise limited detection in Stimulated Raman Scattering microscopy. Journal of the European Optical Society-Rapid Publications, 2015, 10, 15022.	1.9	21
71	Diagnostic Capability of Peripapillary Retinal Thickness in Glaucoma Using 3D Volume Scans. American Journal of Ophthalmology, 2015, 159, 545-556.e2.	3.3	31
72	Correlation of localized glaucomatous visual field defects and spectral domain optical coherence tomography retinal nerve fiber layer thinning using a modified structure-function map for OCT. Eye, 2015, 29, 525-533.	2.1	23

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73	In vivo optical microscopy of peripheral nerve myelination with polarization sensitive-optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 046002.	2.6	27
74	Depth-encoded synthetic aperture optical coherence tomography of biological tissues with extended focal depth. <i>Optics Express</i> , 2015, 23, 4935.	3.4	17
75	Polarization Sensitive Optical Coherence Tomography. , 2015, , 1055-1101.		4
76	Polarization sensitive optical frequency domain imaging system for endobronchial imaging. <i>Optics Express</i> , 2015, 23, 3390.	3.4	29
77	Phase-Resolved Doppler Optical Coherence Tomographic Features in Retinal Angiomatous Proliferation. <i>American Journal of Ophthalmology</i> , 2015, 160, 1044-1054.e1.	3.3	12
78	Loosely coupled level sets for simultaneous 3D retinal layer segmentation in optical coherence tomography. <i>Medical Image Analysis</i> , 2015, 26, 146-158.	11.6	49
79	Spectral/Fourier Domain Optical Coherence Tomography. , 2015, , 165-193.		3
80	Depth-resolved model-based reconstruction of attenuation coefficients in optical coherence tomography. <i>Biomedical Optics Express</i> , 2014, 5, 322.	2.9	275
81	Fiber-based polarization-sensitive OCT of the human retina with correction of system polarization distortions. <i>Biomedical Optics Express</i> , 2014, 5, 2736.	2.9	77
82	Coherent signal composition and global phase determination in signal multiplexed polarization sensitive optical coherence tomography. <i>Optics Express</i> , 2014, 22, 21382.	3.4	13
83	Correlation of Retinal Nerve Fiber Layer Thickness and Visual Fields in Glaucoma: A Broken Stick Model. <i>American Journal of Ophthalmology</i> , 2014, 157, 953-959.e2.	3.3	73
84	Polarization Sensitive Optical Coherence Tomography. , 2013, , 857-888.		4
85	High speed 3D endoscopic optical frequency domain imaging probe for lung cancer diagnosis. , 2013, , .		0
86	High speed miniature motorized endoscopic probe for 3D optical frequency domain imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
87	Collecting optical coherence elastography depth profiles with a micromachined cantilever probe. <i>Optics Letters</i> , 2013, 38, 1476.	3.3	13
88	Real-time eye motion correction in phase-resolved OCT angiography with tracking SLO. <i>Biomedical Optics Express</i> , 2013, 4, 51.	2.9	124
89	Three-dimensional intracellular optical coherence phase imaging. <i>Optics Letters</i> , 2013, 38, 431.	3.3	8
90	Analysis of Normal Retinal Nerve Fiber Layer Thickness by Age, Sex, and Race Using Spectral Domain Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2013, 22, 532-541.	1.6	231

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91	Focus-extension by depth-encoded synthetic aperture in Optical Coherence Tomography. Optics Express, 2013, 21, 10048.	3.4	62
92	Field-based dynamic light scattering microscopy: theory and numerical analysis. Applied Optics, 2013, 52, 7618.	1.8	11
93	High-speed, image-based eye tracking with a scanning laser ophthalmoscope. Biomedical Optics Express, 2012, 3, 2611.	2.9	127
94	High speed miniature motorized endoscopic probe for optical frequency domain imaging. Optics Express, 2012, 20, 24132.	3.4	52
95	Real-time eye motion compensation for OCT imaging with tracking SLO. Biomedical Optics Express, 2012, 3, 2950.	2.9	116
96	Self-interference fluorescence microscopy: three dimensional fluorescence imaging without depth scanning. Optics Express, 2012, 20, 15253.	3.4	13
97	Angiography of the retina and the choroid with phase-resolved OCT using interval-optimized backstitched B-scans. Optics Express, 2012, 20, 20516.	3.4	124
98	The Effect of Glaucoma on the Optical Attenuation Coefficient of the Retinal Nerve Fiber Layer in Spectral Domain Optical Coherence Tomography Images. , 2012, 53, 2424.		77
99	In vivo imaging of human burn injuries with polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 066012.	2.6	71
100	Extracting structural features of rat sciatic nerve using polarization-sensitive spectral domain optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 056012.	2.6	38
101	Correction of phase-error for phase-resolved k-clocked optical frequency domain imaging. , 2012, , .		2
102	Diagnostic Capability of Spectral-Domain Optical Coherence Tomography for Glaucoma. American Journal of Ophthalmology, 2012, 153, 815-826.e2.	3.3	90
103	RPE-Normalized RNFL Attenuation Coefficient Maps Derived from Volumetric OCT Imaging for Glaucoma Assessment. , 2012, 53, 6102.		73
104	Nanocolloidal albumin-IRDye 800CW: a near-infrared fluorescent tracer with optimal retention in the sentinel lymph node. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1161-1168.	6.4	44
105	Polarization-sensitive optical frequency domain imaging based on unpolarized light. Optics Express, 2011, 19, 552.	3.4	68
106	Phase-stabilized optical frequency domain imaging at 1- $\mu\text{m}$ for the measurement of blood flow in the human choroid. Optics Express, 2011, 19, 20886.	3.4	110
107	Reproducibility of Retinal Nerve Fiber Layer Thickness Measurements Using Spectral Domain Optical Coherence Tomography. Journal of Glaucoma, 2011, 20, 470-476.	1.6	140
108	Polarization-sensitive Optical Coherence Tomography Imaging of Benign and Malignant Laryngeal Lesions. Otolaryngology - Head and Neck Surgery, 2011, 145, 91-99.	1.9	40

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109	Wide-Range Calibration of Corneal Backscatter Analysis by In Vivo Confocal Microscopy. , 2011, 52, 2136.		11
110	Peripapillary Retinal Thickness Maps in the Evaluation of Glaucoma Patients: A Novel Concept. ISRN Ophthalmology, 2011, 2011, 1-6.	1.7	7
111	Optical coherence tomography in multiple sclerosis: a systematic review and meta-analysis. Lancet Neurology, The, 2010, 9, 921-932.	10.2	503
112	Diffusive and directional intracellular dynamics measured by field-based dynamic light scattering. Optics Express, 2010, 18, 2858.	3.4	43
113	In vivo 3D human vocal fold imaging with polarization sensitive optical coherence tomography and a MEMS scanning catheter. Optics Express, 2010, 18, 14644.	3.4	44
114	Abstract 3261: Visualizing treatment response dynamics of an in vitro three-dimensional ovarian cancer model. , 2010, , .		0
115	Spectral domain optical coherence tomography for quantitative evaluation of drusen and associated structural changes in non-neovascular age-related macular degeneration. British Journal of Ophthalmology, 2009, 93, 176-181.	3.9	82
116	Real-time tracking of vocal fold injections with optical coherence tomography. Laryngoscope, 2009, 119, 2182-2186.	2.0	25
117	Evaluation of collagen in atherosclerotic plaques: the use of two coherent laser-based imaging methods. Lasers in Medical Science, 2009, 24, 439-445.	2.1	56
118	Spectral-domain optical coherence phase microscopy for label-free multiplexed protein microarray assay. Biosensors and Bioelectronics, 2009, 25, 275-281.	10.1	19
119	In vitro ovarian tumor growth and treatment response dynamics visualized with time-lapse OCT imaging. Optics Express, 2009, 17, 8892.	3.4	31
120	Retinal imaging with polarization-sensitive optical coherence tomography and adaptive optics. Optics Express, 2009, 17, 21634.	3.4	74
121	Three-dimensional pointwise comparison of human retinal optical property at 845 and 1060nm using optical frequency domain imaging. Journal of Biomedical Optics, 2009, 14, 024016.	2.6	35
122	Imaging of Optic Nerve Head Drusen. Journal of Glaucoma, 2009, 18, 373-378.	1.6	50
123	Advances in Optical Coherence Tomography for Biological Imaging. , 2009, , .		0
124	High-speed polarization sensitive optical frequency domain imaging with frequency multiplexing. Optics Express, 2008, 16, 1096.	3.4	160
125	Spectrally balanced detection for OFDI. , 2008, , .		0
126	Spectral Domain Optical Coherence Tomography and Glaucoma. International Ophthalmology Clinics, 2008, 48, 29-45.	0.7	49



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127	Monitoring mouse retinal degeneration with high-resolution spectral-domain optical coherence tomography. <i>Journal of Vision</i> , 2008, 8, 17.	0.3	77
128	In Vivo Three-Dimensional Imaging of Neovascular Age-Related Macular Degeneration Using Optical Frequency Domain Imaging at 1050 nm. , 2008, 49, 4545.		95
129	Non-invasive optical detection of functionally-stimulated neural activity in the limulus compound eye. , 2008, , .		0
130	Autocalibration of spectral-domain optical coherence tomography spectrometers for in vivo quantitative retinal nerve fiber layer birefringence determination. <i>Journal of Biomedical Optics</i> , 2007, 12, 041205.	2.6	99
131	Hybrid LSLO/SDOCT retinal imager. , 2007, , .		0
132	In-vivo human retinal imaging with pulsed illumination spectral-domain optical coherence tomography. , 2007, , .		2
133	Spectral-domain optical coherence phase and multiphoton microscopy. <i>Optics Letters</i> , 2007, 32, 623.	3.3	43
134	Spectral-domain optical coherence reflectometric sensor for highly sensitive molecular detection. <i>Optics Letters</i> , 2007, 32, 2426.	3.3	11
135	Polarization-sensitive spectral-domain optical coherence tomography using a single line scan camera. <i>Optics Express</i> , 2007, 15, 2421.	3.4	99
136	Large depth-high resolution full 3D imaging of the anterior segments of the eye using high speed Optical Frequency Domain Imaging. <i>Optics Express</i> , 2007, 15, 7117.	3.4	51
137	Spectrally balanced detection for optical frequency domain imaging. <i>Optics Express</i> , 2007, 15, 16390.	3.4	67
138	Three dimensional tracking for volumetric spectral-domain optical coherence tomography. <i>Optics Express</i> , 2007, 15, 16808.	3.4	32
139	Two-axis magnetically-driven MEMS scanning catheter for endoscopic high-speed optical coherence tomography. <i>Optics Express</i> , 2007, 15, 18130.	3.4	174
140	Depth-Resolved Measurement of Transient Structural Changes during Action Potential Propagation. <i>Biophysical Journal</i> , 2007, 93, 1347-1353.	0.5	64
141	Measurement of Collagen and Smooth Muscle Cell Content in Atherosclerotic Plaques Using Polarization-Sensitive Optical Coherence Tomography. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1474-1481.	2.8	224
142	Histologic Correlation of In Vivo Optical Coherence Tomography Images of the Human Retina. <i>American Journal of Ophthalmology</i> , 2006, 141, 1165-1168.	3.3	77
143	In vivo optical frequency domain imaging of human retina and choroid. <i>Optics Express</i> , 2006, 14, 4403.	3.4	222
144	Optical frequency domain imaging with a rapidly swept laser in the 815–870 nm range. <i>Optics Express</i> , 2006, 14, 5937.	3.4	107

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145	Pulsed illumination spectral-domain optical coherence tomography for human retinal imaging. Optics Express, 2006, 14, 6739.	3.4	35
146	High-speed imaging of human retina in vivo with swept-source optical coherence tomography. Optics Express, 2006, 14, 12902.	3.4	76
147	Hybrid retinal imager using line-scanning laser ophthalmoscopy and spectral domain optical coherence tomography. Optics Express, 2006, 14, 12909.	3.4	22
148	Retinal nerve fiber layer thickness map. , 2006, , .		0
149	Retinal nerve fiber layer thickness map and blood flow pulsation measured with SDOCT. , 2006, , .		0
150	Endoscopic polarization-sensitive optical coherence tomography. , 2006, 6079, 402.		0
151	Spectral Domain Optical Coherence Tomography. Techniques in Ophthalmology, 2006, 4, 170-174.	0.1	15
152	Comprehensive volumetric optical microscopy in vivo. Nature Medicine, 2006, 12, 1429-1433.	30.7	413
153	Imaging the Human Vocal Folds in Vivo with Optical Coherence Tomography: A Preliminary Experience. Annals of Otology, Rhinology and Laryngology, 2006, 115, 277-284.	1.1	49
154	Fluid flow analysis in microfluidic devices by spectral-domain optical Doppler tomography. , 2005, , .		0
155	Fluid flow analysis in microfluidic devices by spectral-domain optical Doppler tomography. , 2005, 5692, 174.		0
156	Endoscopic imaging of the human vocal cords using polarization-sensitive optical coherence tomography. , 2005, 5686, 307.		0
157	Imaging the Mucosa of the Human Vocal Fold with Optical Coherence Tomography. Annals of Otology, Rhinology and Laryngology, 2005, 114, 671-676.	1.1	57
158	Spectral domain polarization-sensitive optical coherence tomography at 850 nm. , 2005, , .		5
159	Spectral Domain Optical Coherence Tomography. JAMA Ophthalmology, 2005, 123, 1715.	2.4	340
160	Real-time fiber-based multi-functional spectral-domain optical coherence tomography at 13 Åµm. Optics Express, 2005, 13, 3931.	3.4	431
161	Phase-resolved optical frequency domain imaging. Optics Express, 2005, 13, 5483.	3.4	367
162	Effects of sample arm motion in endoscopic polarization-sensitive optical coherence tomography. Optics Express, 2005, 13, 5739.	3.4	69

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163	Retinal nerve fiber layer thickness map determined from optical coherence tomography images. Optics Express, 2005, 13, 9480.	3.4	198
164	Spectral-domain optical coherence phase microscopy for quantitative phase-contrast imaging. Optics Letters, 2005, 30, 2131.	3.3	258
165	Optic axis determination accuracy for fiber-based polarization-sensitive optical coherence tomography. Optics Letters, 2005, 30, 2587.	3.3	72
166	Measurement of Morphologic Changes Induced by Trauma with the Use of Coherence Tomography in Porcine Vocal Cords. Otolaryngology - Head and Neck Surgery, 2005, 133, 845-850.	1.9	19
167	Optical devices for biomedical applications. , 2005, , .		0
168	Thickness and Birefringence of Healthy Retinal Nerve Fiber Layer Tissue Measured with Polarization-Sensitive Optical Coherence Tomography. , 2004, 45, 2606.		261
169	Visualizing early frog development with motion-sensitive 3-D optical coherence microscopy. , 2004, 2004, 5296-9.		2
170	Birefringence measurements in human skin using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 287.	2.6	172
171	Determination of burn depth by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 207.	2.6	155
172	Polarization-sensitive optical coherence tomography of invasive basal cell carcinoma. Journal of Biomedical Optics, 2004, 9, 292.	2.6	173
173	In vivo birefringence and thickness measurements of the human retinal nerve fiber layer using polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 121.	2.6	139
174	Advances in Optical Coherence Tomography Imaging for Dermatology. Journal of Investigative Dermatology, 2004, 123, 458-463.	0.7	216
175	Extended-Cavity Semiconductor Wavelength-Swept Laser for Biomedical Imaging. IEEE Photonics Technology Letters, 2004, 16, 293-295.	2.5	79
176	Collagen denaturation can be quantified in burned human skin using polarization-sensitive optical coherence tomography. Burns, 2004, 30, 511-517.	1.9	153
177	Imaging the internal structure of the rat cochlea using optical coherence tomography at 0.827 $\mu$ m and 1.3 $\mu$ m. Otolaryngology - Head and Neck Surgery, 2004, 130, 334-338.	1.9	46
178	In vivo high-resolution video-rate spectral-domain optical coherence tomography of the human retina and optic nerve. Optics Express, 2004, 12, 367.	3.4	576
179	Ultrahigh-resolution high-speed retinal imaging using spectral-domain optical coherence tomography. Optics Express, 2004, 12, 2435.	3.4	516
180	Motion artifacts in optical coherence tomography with frequency-domain ranging. Optics Express, 2004, 12, 2977.	3.4	369

#	ARTICLE	IF	CITATIONS
181	Adaptive ranging for optical coherence tomography. Optics Express, 2004, 12, 4025.	3.4	42
182	Removing the depth-degeneracy in optical frequency domain imaging with frequency shifting. Optics Express, 2004, 12, 4822.	3.4	204
183	Pulsed-source and swept-source spectral-domain optical coherence tomography with reduced motion artifacts. Optics Express, 2004, 12, 5614.	3.4	63
184	In vivo human retinal imaging by ultrahigh-speed spectral domain optical coherence tomography. Optics Letters, 2004, 29, 480.	3.3	571
185	Jones matrix analysis for a polarization-sensitive optical coherence tomography system using fiber-optic components. Optics Letters, 2004, 29, 2512.	3.3	238
186	Comment on "Optical-fiber-based Mueller optical coherence tomography" Optics Letters, 2004, 29, 2873.	3.3	13
187	Ultrahigh-speed spectral domain optical coherence tomography of the human retina. , 2004, 5316, 233.		0
188	Birefringence measurements in human skin using polarization-sensitive optical coherence tomography. , 2004, , .		0
189	Thickness and birefringence of retinal nerve fiber layer of healthy and glaucomatous subjects measured with polarization-sensitive optical coherence tomography. , 2004, 5314, 179.		0
190	Vector-based analysis for polarization-sensitive optical coherence tomography. , 2004, 5316, 397.		1
191	Speckle averaging for optical coherence tomography by vibration of a thin water film. , 2004, 5316, 391.		2
192	Polarization-sensitive optical coherence tomography with a scanning fiber optic probe. , 2004, , .		0
193	In vivo depth-resolved birefringence measurements of the human retinal nerve fiber layer using polarization sensitive optical coherence tomography. , 2004, , .		1
194	Evaluation of osteoarthritis progression using polarization-sensitive optical coherence tomography. , 2004, 5318, 170.		4
195	Polarization Sensitive Optical Coherence Tomography. , 2004, , 803-846.		0
196	Ultra-high resolution video rate in vivo retinal imaging with Spectral Domain Optical Coherence Tomography. , 2004, , .		0
197	Video-Rate Spectral Domain Optical Coherence Tomography enabling 3D Reconstruction of the Retina. , 2004, , .		0
198	Vector-based polarization analysis for optical coherence tomography. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
199	Human retinal blood flow imaging with video-rate spectral domain optical Doppler tomography. , 2004, , .		0
200	Improved signal-to-noise ratio in spectral-domain compared with time-domain optical coherence tomography. Optics Letters, 2003, 28, 2067.	3.3	1,463
201	Real-time multi-functional optical coherence tomography. Optics Express, 2003, 11, 782.	3.4	191
202	In vivo dynamic human retinal blood flow imaging using ultra-high-speed spectral domain optical Doppler tomography. Optics Express, 2003, 11, 3490.	3.4	559
203	Burn depth determination in human skin using polarization-sensitive optical coherence tomography. , 2003, , .		1
204	Real-time multifunctional optical coherence tomography. , 2003, , .		1
205	In vivo depth-resolved birefringence measurements of the human retinal nerve fiber layer using polarization-sensitive optical coherence tomography. , 2003, , .		0
206	Simultaneous intensity, birefringence, and flow measurements using high-speed fiber-based optical coherence tomography. , 2002, , .		0
207	<title>In-vivo depth-resolved birefringence measurements of the human retina</title>. , 2002, 4611, 20.		0
208	Spectral shaping for non-Gaussian source spectra in optical coherence tomography. Optics Letters, 2002, 27, 406.	3.3	124
209	Simultaneous intensity, birefringence, and flow measurements with high-speed fiber-based optical coherence tomography. Optics Letters, 2002, 27, 1534.	3.3	105
210	In vivo depth-resolved birefringence measurements of the human retinal nerve fiber layer by polarization-sensitive optical coherence tomography. Optics Letters, 2002, 27, 1610.	3.3	215
211	Review of polarization sensitive optical coherence tomography and Stokes vector determination. Journal of Biomedical Optics, 2002, 7, 359.	2.6	455
212	Burn Depth Determination by High-Speed Fiber-Based Polarization Sensitive Optical Coherence Tomography at 1.3 micrometers. , 2002, , .		0
213	Phase resolved digital signal processing in optical coherence tomography. , 2002, , .		0
214	In vivo burn depth determination by high-speed fiber-based polarization sensitive optical coherence tomography. Journal of Biomedical Optics, 2001, 6, 474.	2.6	331
215	Stable carrier generation and phase-resolved digital data processing in optical coherence tomography. Applied Optics, 2001, 40, 5787.	2.1	65
216	Imaging the internal structure of the guinea pig cochlea using optical coherence tomography at 1310 nm. , 2001, 4244, 372.		1

#	ARTICLE	IF	CITATIONS
217	Fiber-based polarization-sensitive optical coherence tomography. , 2000, 3915, 68.		0
218	Burn depth determination by high-speed fiber-based polarization-sensitive optical coherence tomography at 1.3 $\mu$ m. , 2000, 3915, 243.		1
219	Monitoring laser treatment of port wine stains using phase-resolved optical Doppler tomography. , 2000, 3915, 237.		0
220	Phase-resolved OCT/ODT for imaging tissue microcirculation. , 2000, , .		0
221	Optical coherence tomography of the rat cochlea. Journal of Biomedical Optics, 2000, 5, 367.	2.6	53
222	Phase-resolved optical coherence tomography and optical Doppler tomography for imaging blood flow in human skin with fast scanning speed and high velocity sensitivity. Optics Letters, 2000, 25, 114.	3.3	664
223	High-speed fiber-based polarization-sensitive optical coherence tomography of in vivo human skin. Optics Letters, 2000, 25, 1355.	3.3	352
224	Doppler standard deviation imaging for clinical monitoring of in vivo human skin blood flow. Optics Letters, 2000, 25, 1358.	3.3	242
225	Polarization sensitive optical coherence tomography of the rabbit eye. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1159-1167.	2.9	58
226	Polarization effects in optical coherence tomography of various biological tissues. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1200-1204.	2.9	88
227	Characterization of dentin and enamel by use of optical coherence tomography. Applied Optics, 1999, 38, 2092.	2.1	140
228	Determination of the depth-resolved Stokes parameters of light backscattered from turbid media by use of polarization-sensitive optical coherence tomography. Optics Letters, 1999, 24, 300.	3.3	367
229	Optical coherence tomography of the rat cochlea: preliminary investigations. , 1999, , .		1
230	<title>Optical frequency-domain reflectometry (OFDR) using an integrated fiber tunable filter</title>. , 1999, 3598, 56.		1
231	<title>Determination of burn depth by polarization-sensitive optical coherence tomography</title>. , 1999, , .		1
232	<title>Stokes parameters imaging of light reflected from biological tissue using polarization-sensitive optical coherence tomography</title>. , 1999, , .		1
233	Optical Birefringence Imaging of Dentin and Enamel. , 1998, , AMC6.		0
234	<title>Two-dimensional birefringence imaging in biological tissue using polarization-sensitive optical coherence tomography</title>. , 1998, , .		11

#	ARTICLE	IF	CITATIONS
235	Two-Dimensional birefringence imaging in biological tissue using phase and polarization sensitive optical coherence tomography.. , 1998, , .		7
236	Non-invasive determination of port wine stain anatomy and physiology for optimal laser treatment strategies. Physics in Medicine and Biology, 1997, 42, 937-950.	3.0	55
237	Modelling light distributions of homogeneous versus discrete absorbers in light irradiated turbid media. Physics in Medicine and Biology, 1997, 42, 51-65.	3.0	118
238	Two-dimensional birefringence imaging in biological tissue by polarization-sensitive optical coherence tomography. Optics Letters, 1997, 22, 934.	3.3	1,032
239	Third cumulant of the total transmission of diffuse waves. Physical Review E, 1995, 52, 2053-2065.	2.1	3
240	Probability Distribution of Multiple Scattered Light Measured in Total Transmission. Physical Review Letters, 1994, 73, 2567-2570.	7.8	47
241	Transmission and reflection correlations of second harmonic waves in nonlinear random media. Physical Review Letters, 1993, 71, 3947-3950.	7.8	27
242	Transmission and intensity correlations in wave propagation through random media. Physical Review B, 1992, 45, 658-666.	3.2	100
243	Intensity and field correlations in multiple scattered light. Physica B: Condensed Matter, 1991, 175, 17-24.	2.7	3
244	Observation of long-range intensity correlation in the transport of coherent light through a random medium. Physical Review Letters, 1990, 64, 2787-2790.	7.8	152
245	Determination of the depth resolved Stokes parameters of light backscattered from turbid media using polarization sensitive optical coherence tomography. , 0, , .		4
246	Polarization sensitive optical coherence tomography of the rabbit eye. , 0, , .		0
247	Functional optical coherence tomography: technology and applications. , 0, , .		0
248	Latest developments in optical coherence tomography. , 0, , .		3