

Maciej Wojtkowski

List of Publications by Year in descending order

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229
papers

12,288
citations

57758

44
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27406

106
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all docs

230
docs citations

230
times ranked

5877
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo imaging of the human eye using a 2-photon-excited fluorescence scanning laser ophthalmoscope. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	18
2	Multimode fiber as a tool to reduce cross talk in Fourier-domain full-field optical coherence tomography. <i>Optics Letters</i> , 2022, 47, 838.	3.3	14
3	Light-adapted flicker optoretinograms captured with a spatio-temporal optical coherence-tomography (STOC-T) system. <i>Biomedical Optics Express</i> , 2022, 13, 2186.	2.9	14
4	Femtosecond Er-doped fiber laser source tunable from 872 to 1075â€¦nm for two-photon vision studies in humans. <i>Biomedical Optics Express</i> , 2022, 13, 1899.	2.9	3
5	Optical coherence tomography reveals heterogeneity of the brain tissue and vasculature in the ischemic region after photothrombotic stroke in mice.. <i>Acta Neurobiologiae Experimentalis</i> , 2022, 82, 106-119.	0.7	0
6	Simultaneous multi-spot OCT measurements of air induced corneal deformations. , 2022, , .		0
7	Spatio-temporal optical coherence tomography (STOC-T) for high-resolution, wide-field structural and blood flow imaging of the human retina in vivo. , 2022, , .		0
8	In-vivo imaging of choroid and choriocapillaris by Spatio-Temporal Optical Coherence Tomography. , 2022, , .		0
9	Two-photon excited fluorescence scanning laser ophthalmoscope for in vivo imaging of the human eye. , 2022, , .		0
10	Role of multimode fibers in structural imaging of the choroidal and retinal tissue with Spatio-Temporal Optical Coherence Tomography (STOC-T). , 2022, , .		0
11	High-Throughput Monitoring of Bacterial Cell Density in Nanoliter Droplets: Label-Free Detection of Unmodified Gram-Positive and Gram-Negative Bacteria. <i>Analytical Chemistry</i> , 2021, 93, 843-850.	6.5	15
12	Multimode fiber enables control of spatial coherence in Fourier-domain full-field optical coherence tomography for in vivo corneal imaging. <i>Optics Letters</i> , 2021, 46, 1413.	3.3	22
13	Two-photon microperimetry with picosecond pulses. <i>Biomedical Optics Express</i> , 2021, 12, 462.	2.9	8
14	Spatiotemporal optical coherence (STOC) manipulation for blood flow imaging of the human retina in vivo. , 2021, , .		0
15	Two-photon visual sensitivity of cataract patients. , 2021, , .		0
16	In vivo imaging of human cornea with Fourier-domain full-field optical coherence tomography equipped with a fast preview mode and a multimode fiber for spatial coherence reduction. , 2021, , .		0
17	Corrections of motion artifacts in dynamic low-cost, swept-source optical coherence tomography. , 2021, , .		0
18	Spectral laser doppler holography (SLDH) for human retinal blood flow visualization and quantification in vivo. , 2021, , .		0

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19	Optoretinography with use of spatio-temporal optical coherence tomography STOC-T. , 2021, , .		0
20	Spatiotemporal optical coherence (STOC) manipulation for blood flow imaging of the human retina in vivo. , 2021, , .		0
21	Spatial coherence control facilitates high quality in-vivo imaging of retinal and choroidal microstructure with spatio-temporal optical coherence tomography (STOC-T). , 2021, , .		0
22	Spatio-temporal optical coherence tomography STOC-T for in-vivo retinal imaging. , 2021, , .		0
23	Noninvasive two-photon optical biopsy of retinal fluorophores. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22532-22543.	7.1	25
24	Keratoconus Detection Based on a Single Scheimpflug Image. Translational Vision Science and Technology, 2020, 9, 36.	2.2	18
25	Corneal tissue properties following scleral lens wear using Scheimpflug imaging. Ophthalmic and Physiological Optics, 2020, 40, 595-606.	2.0	13
26	In vivo brain imaging with multimodal optical coherence microscopy in a mouse model of thromboembolic photochemical stroke. Neurophotonics, 2020, 7, 1.	3.3	6
27	In vivo imaging of the human cornea with high-speed and high-resolution Fourier-domain full-field optical coherence tomography. Biomedical Optics Express, 2020, 11, 2849.	2.9	43
28	Multi-meridian corneal imaging of air-puff induced deformation for improved detection of biomechanical abnormalities. Biomedical Optics Express, 2020, 11, 6337.	2.9	28
29	Computational aberration correction in spatiotemporal optical coherence (STOC) imaging. Optics Letters, 2020, 45, 1293.	3.3	25
30	In vivo human retina and cornea imaging with spatiotemporal optical coherence (STOC) manipulation and digital aberration correction. , 2020, , .		0
31	Longitudinal in-vivo OCM imaging of glioblastoma development in the mouse brain. Biomedical Optics Express, 2020, 11, 5003.	2.9	2
32	Digital aberration correction in spatiotemporal optical coherence (STOC) imaging with coherent averaging. , 2020, , .		0
33	Crosstalk-free in vivo imaging of a human retina with Fourier-domain full-field optical coherence tomography. , 2020, , .		0
34	In vivo imaging of human retina and cornea with spatially incoherent Fourier-domain full-field optical coherence tomography. , 2020, , .		0
35	Frequency-doubled femtosecond Er-doped fiber laser for two-photon excited fluorescence imaging. Biomedical Optics Express, 2020, 11, 4431.	2.9	19
36	Corneal Properties of Keratoconus Based on Scheimpflug Light Intensity Distribution. , 2019, 60, 3197.		18

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37	Air-Puff-Induced Dynamics of Ocular Components Measured with Optical Biometry. , 2019, 60, 1979.		14
38	Label-Free Optical Readout of Bacteria Density in Nanoliter Droplets. , 2019, , .		0
39	Sensitivity of Mammalian Cone Photoreceptors to Infrared Light. Neuroscience, 2019, 416, 100-108.	2.3	9
40	High-speed OCT-based ocular biometer combined with an air-puff system for determination of induced retraction-free eye dynamics. Biomedical Optics Express, 2019, 10, 3663.	2.9	22
41	Pupil detection supported by Haar feature based cascade classifier for two-photon vision examinations. , 2019, , .		0
42	Spatiotemporal Optical Coherence (STOC) Manipulation Improves Imaging with Full-Field Swept-Source OCT. , 2019, , .		0
43	Assessment of the influence of viscoelasticity of cornea in animal ex vivo model using air-puff optical coherence tomography and corneal hysteresis. Journal of Biophotonics, 2019, 12, e201800154.	2.3	24
44	Application of single-pixel camera for imaging in turbid media. , 2019, , .		1
45	Two-photon microperimetry: sensitivity of human photoreceptors to infrared light. Biomedical Optics Express, 2019, 10, 4551.	2.9	21
46	Crosstalk-free volumetric in vivo imaging of a human retina with Fourier-domain full-field optical coherence tomography. Biomedical Optics Express, 2019, 10, 6390.	2.9	49
47	In vivo volumetric imaging by crosstalk-free full-field OCT. Optica, 2019, 6, 608.	9.3	50
48	Optofluidic Platform for Bacteria Screening in Nanoliter Droplets. , 2019, , .		0
49	Shedding Light onto Two Spatiotemporal Optical Coherence Manipulation (STOC) Implementations. , 2019, , .		0
50	Speckle-free and cross-talk-free imaging in Fourier domain full-field optical coherence tomography. , 2019, , .		0
51	Spatiotemporal optical coherence (STOC) manipulation suppresses coherent cross-talk in full-field swept-source optical coherence tomography. Biomedical Optics Express, 2019, 10, 2032.	2.9	27
52	System for psychophysical measurements of two-photon vision. Photonics Letters of Poland, 2019, 11, 1.	0.4	5
53	Solid state versus fiber picosecond infrared lasers applied to two-photon vision tests. , 2019, , .		0
54	Spatio-Temporal Optical Coherence Imaging – a new tool for in vivo microscopy. Photonics Letters of Poland, 2019, 11, 44.	0.4	6

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55	Spatiotemporal optical coherence (STOC) manipulation suppresses coherent cross-talk and low-order geometrical aberrations in full-field swept-source optical coherence tomography. , 2019, , .		0
56	Two-photon imaging of the mammalian retina with ultrafast pulsing laser. JCI Insight, 2018, 3, .	5.0	24
57	Non invasive optical cellular imaging in humans. Photonics Letters of Poland, 2018, 10, 60.	0.4	1
58	Imaging through turbid media with wavefront modulated illumination full-field optical coherence microscopy. , 2018, , .		0
59	Impact of diurnal IOP variations on the dynamic corneal hysteresis measured with air-puff swept-source OCT. Photonics Letters of Poland, 2018, 10, 64.	0.4	0
60	Enhancing microvasculature maps for Optical Coherence Tomography Angiography (OCT-A). Photonics Letters of Poland, 2018, 10, 61.	0.4	1
61	Fast method of speckle suppression for reflection phase microscopy. Photonics Letters of Poland, 2018, 10, 118.	0.4	0
62	Bessel beam OCM for analysis of global ischemia in mouse brain. , 2017, , .		0
63	Optical coherence microscopy as a novel, non-invasive method for the 4D live imaging of early mammalian embryos. Scientific Reports, 2017, 7, 4165.	3.3	42
64	Classification of biological micro-objects using optical coherence tomography: in silico study. Biomedical Optics Express, 2017, 8, 3606.	2.9	4
65	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
66	Visual acuity in two-photon infrared vision. Optica, 2017, 4, 1488.	9.3	19
67	Tissue thickness calculation in ocular optical coherence tomography. Biomedical Optics Express, 2016, 7, 629.	2.9	38
68	Image registration and averaging of low laser power two-photon fluorescence images of mouse retina. Biomedical Optics Express, 2016, 7, 2671.	2.9	19
69	Extended-focus optical coherence microscopy for high-resolution imaging of the murine brain. Biomedical Optics Express, 2016, 7, 4400.	2.9	24
70	Spectrometer calibration for spectroscopic Fourier domain optical coherence tomography. Biomedical Optics Express, 2016, 7, 5042.	2.9	27
71	Fast method of cross-talk effect reduction in biomedical imaging (Conference Presentation). , 2016, , .		0
72	Non-contact investigation of the corneal biomechanics with air-puff swept source optical coherence tomography. , 2016, , .		0

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73	Imaging of the stroke-related changes in the vascular system of the mouse brain with the use of extended focus optical coherence microscopy. Proceedings of SPIE, 2016, , .	0.8	0
74	Coherence properties of fast frequency swept lasers revealed via full electric field reconstruction. Proceedings of SPIE, 2016, , .	0.8	0
75	Dual Optical Lock-In for Ultrasensitive Photothermal Effect Detection. , 2016, , .		0
76	Air-puff Swept-Source Optical Coherence Tomography. , 2016, , .		0
77	Optical Coherence Tomography of the Labial Salivary Glands Reveals Age-Related Differences in Women. Clinical and Translational Science, 2015, 8, 717-721.	3.1	2
78	Tunable semiconductor laser at 1025-1095 nm range for OCT applications with an extended imaging depth. , 2015, , .		4
79	Detection of small biological objects by phase-sensitive optical coherence tomography. , 2015, , .		0
80	Wavelength to pixel calibration for FdOCT. Proceedings of SPIE, 2015, , .	0.8	1
81	Spectroscopy by joint spectral and time domain optical coherence tomography. , 2015, , .		1
82	OCT angiography by absolute intensity difference applied to normal and diseased human retinas. Biomedical Optics Express, 2015, 6, 2738.	2.9	29
83	Periscope for noninvasive two-photon imaging of murine retina in vivo. Biomedical Optics Express, 2015, 6, 3352.	2.9	23
84	Blue-light Fourier-domain optical-coherence microscopy with linear k-sampling using second-harmonic generation. Optics Letters, 2015, 40, 3540.	3.3	2
85	Single shot, time-resolved measurement of the coherence properties of OCT swept source lasers. Optics Letters, 2015, 40, 2277.	3.3	38
86	Single-shot real-time electric-field reconstruction of a swept source laser. , 2015, , .		0
87	Differentiation of morphotic elements in human blood using optical coherence tomography and a microfluidic setup. Optics Express, 2015, 23, 27724.	3.4	11
88	Application of Fourier Domain OCT Imaging Technology to the Anterior Segment of the Human Eye. , 2015, , 1617-1648.		3
89	Optical Coherence Tomography Identifies Lower Labial Salivary Gland Surface Density in Cystic Fibrosis. PLoS ONE, 2015, 10, e0117517.	2.5	3
90	Doppler Fourier Domain Optical Coherence Tomography for Label-Free Tissue Angiography. , 2015, , 1321-1352.		0

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91	Differentiation of morphotic elements in the human blood using optical coherence tomography and microfluidic chip. , 2015, , .		0
92	SS-OCT based evaluation of possible impact on vision quality caused by long-term wear of soft contact lenses. , 2015, , .		0
93	Spatiotemporal optical coherence (STOC) manipulation and its possible applications. , 2014, , .		0
94	Dynamics of a short cavity swept source OCT laser. Optics Express, 2014, 22, 18177.	3.4	36
95	Quantitative optical inspection of contact lenses immersed in wet cell using swept source OCT. Optics Letters, 2014, 39, 4727.	3.3	19
96	Microscopic OCT imaging with focus extension by ultrahigh-speed acousto-optic tunable lens and stroboscopic illumination. Optics Express, 2014, 22, 31746.	3.4	26
97	Quantitative assessment of oral mucosa and labial minor salivary glands in patients with Sjögren's syndrome using swept source OCT. Biomedical Optics Express, 2014, 5, 259.	2.9	13
98	Spectral OCT with speckle contrast reduction for evaluation of the healing process after PRK and transepithelial PRK. Biomedical Optics Express, 2014, 5, 1089.	2.9	19
99	Human infrared vision is triggered by two-photon chromophore isomerization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5445-54.	7.1	80
100	Swept Source OCT of oral mucosa and labial salivary glands in cystic fibrosis. , 2014, , .		0
101	OCT detection of neural activity in American cockroach nervous system. Proceedings of SPIE, 2013, , .	0.8	0
102	Real time 3D structural and Doppler OCT imaging on graphics processing units. Proceedings of SPIE, 2013, , .	0.8	3
103	Averaging techniques for OCT imaging. Optics Express, 2013, 21, 9757.	3.4	57
104	Static and dynamic crystalline lens accommodation evaluated using quantitative 3-D OCT. Biomedical Optics Express, 2013, 4, 1595.	2.9	34
105	Multimodal instrument for high-sensitivity autofluorescence and spectral optical coherence tomography of the human eye fundus. Biomedical Optics Express, 2013, 4, 2683.	2.9	9
106	Assessment of the flow velocity of blood cells in a microfluidic device using joint spectral and time domain optical coherence tomography. Optics Express, 2013, 21, 24025.	3.4	28
107	Quantitative lateral and axial flow imaging with optical coherence microscopy and tomography. Optics Express, 2013, 21, 17711.	3.4	39
108	Control of the optical field coherence by spatiotemporal light modulation. Optics Letters, 2013, 38, 4817.	3.3	10

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109	High sensitive fundus autofluorescence imaging combined with speckle-free optical coherence tomography. Proceedings of SPIE, 2013, , .	0.8	0
110	Restoration of photoreceptor structure and function in nonischaemic central retinal vein occlusion. Acta Ophthalmologica, 2013, 91, e163-5.	1.1	0
111	Optical coherence tomography diagnostics for onco-urology. Review of clinical perspectives. Central European Journal of Urology, 2013, 66, 136-41.	0.3	9
112	Estimation of vibration amplitude in Fourier domain optical coherence tomography interferometric signals from Doppler spectrum. , 2013, , .		0
113	Blue light Spectral Optical Coherence Tomography. , 2013, , .		0
114	Efficient reduction of speckle noise in Optical Coherence Tomography. Optics Express, 2012, 20, 1337.	3.4	154
115	Microfluidics analysis of blood using joint spectral and time domain optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	0
116	Angiogram visualization and total velocity blood flow assessment based on intensity information analysis of OCT data. , 2012, , .		2
117	Multi-parametric imaging of murine brain using spectral and time domain optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 101515.	2.6	5
118	Improved measurement of vibration amplitude in dynamic optical coherence elastography. Biomedical Optics Express, 2012, 3, 3138.	2.9	30
119	Four-dimensional structural and Doppler optical coherence tomography imaging on graphics processing units. Journal of Biomedical Optics, 2012, 17, 1.	2.6	21
120	Swept source OCT with air puff chamber for corneal dynamics measurements. Proceedings of SPIE, 2012, , .	0.8	2
121	Spectral and time domain OCT: a tool for optimal imaging of biological samples. Proceedings of SPIE, 2012, , .	0.8	0
122	New Directions in Ophthalmic Optical Coherence Tomography. Optometry and Vision Science, 2012, 89, 524-542.	1.2	62
123	Imaging and Measurement in the Eye. Optometry and Vision Science, 2012, 89, 521-523.	1.2	2
124	Fourier domain OCT imaging of American cockroach nervous system. Proceedings of SPIE, 2012, , .	0.8	0
125	Corneal topography with high-speed swept source OCT in clinical examination. Biomedical Optics Express, 2011, 2, 2709.	2.9	83
126	Corneal topography from spectral optical coherence tomography (sOCT). Biomedical Optics Express, 2011, 2, 3232.	2.9	67

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127	Assessment of corneal dynamics with high-speed swept source Optical Coherence Tomography combined with an air puff system. Optics Express, 2011, 19, 14188.	3.4	92
128	Drusen with Accompanying Fluid underneath the Sensory Retina. Ophthalmology, 2011, 118, 82-92.	5.2	38
129	Segmented scanning protocols for speckle contrast reduction in Spectral OCT images. , 2011, , .		0
130	Cortical blood flow imaging of mouse stroke model by high-speed Spectral OCT. Proceedings of SPIE, 2011, , .	0.8	0
131	Volumetric Doppler imaging of small animal brain using spectral and time domain optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	0
132	High speed optical imaging for biomedical applications. , 2011, , .		0
133	Analysis of ocular hemodynamic using combined STdOCT and ultrasonic methods. Photonics Letters of Poland, 2011, 3, .	0.4	0
134	Broadband blue light for Optical Coherence Microscopy. Photonics Letters of Poland, 2011, 3, .	0.4	1
135	True velocity mapping using joint spectral and time domain optical coherence tomography. , 2010, , .		2
136	High-speed optical coherence imaging: towards the structure and the physiology of living tissue. , 2010, , .		0
137	Imaging of the lens capsule with an ultrahigh-resolution spectral optical coherence tomography prototype based on a femtosecond laser. British Journal of Ophthalmology, 2010, 94, 275-277.	3.9	10
138	Observation of blood optical inhomogeneity using joint spectral and time domain OCT. , 2010, , .		1
139	Real-time bulk motion insensitive flow segmentation algorithm for Doppler spectral optical coherence tomography. , 2010, , .		0
140	High-speed optical coherence tomography: basics and applications. Applied Optics, 2010, 49, D30.	2.1	292
141	Optical distortion correction in Optical Coherence Tomography for quantitative ocular anterior segment by three-dimensional imaging. Optics Express, 2010, 18, 2782.	3.4	159
142	Velocity resolution and minimum detectable velocity in joint Spectral and Time domain OCT. , 2010, , .		1
143	Comparison of sensitivity for high speed Fourier domain OCT systems. , 2010, , .		0
144	Projection OCT fundus imaging for visualising outer retinal pathology in non-exudative age-related macular degeneration. British Journal of Ophthalmology, 2009, 93, 603-609.	3.9	53

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145	A study of macular hole formation by serial spectral optical coherence tomography. <i>Clinical and Experimental Ophthalmology</i> , 2009, 37, 373-383.	2.6	31
146	Comparison of reflectivity maps and outer retinal topography in retinal disease by 3-D Fourier domain optical coherence tomography. <i>Optics Express</i> , 2009, 17, 4189.	3.4	30
147	Anterior segment imaging with Spectral OCT system using a high-speed CMOS camera. <i>Optics Express</i> , 2009, 17, 4842.	3.4	193
148	Three-dimensional quantitative imaging of retinal and choroidal blood flow velocity using joint Spectral and Time domain Optical Coherence Tomography. <i>Optics Express</i> , 2009, 17, 10584.	3.4	96
149	Flow velocity estimation by complex ambiguity free joint Spectral and Time domain Optical Coherence Tomography. <i>Optics Express</i> , 2009, 17, 14281.	3.4	39
150	Ultra high-speed swept source OCT imaging of the anterior segment of human eye at 200 kHz with adjustable imaging range. <i>Optics Express</i> , 2009, 17, 14880.	3.4	214
151	Scanning protocols dedicated to smart velocity ranging in Spectral OCT. <i>Optics Express</i> , 2009, 17, 23736.	3.4	118
152	Segmentation of flowing particles using joint spectral and time domain optical coherence tomography. , 2009, , .		0
153	Three-dimensional retinal blood flow analysis using joint spectral and time domain optical coherence tomography. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
154	Simultaneous complex ambiguity removal and quantitative flow velocity estimation with joint spectral and time domain OCT. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
155	Swept source OCT imaging of human anterior segment at 200 kHz. , 2009, , .		1
156	Analysis of the Outer Retina Reconstructed by High-Resolution, Three-Dimensional Spectral Domain Optical Coherence Tomography. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2009, 40, 102-108.	0.7	18
157	Fuchs' Endothelial Dystrophy in 830-nm Spectral Domain Optical Coherence Tomography. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2009, 40, 198-200.	0.7	17
158	High speed optical coherence imaging - towards the structure and the function of the human eye. , 2009, , .		0
159	Improved Visualization of Glaucomatous Retinal Damage Using High-speed Ultrahigh-Resolution Optical Coherence Tomography. <i>Ophthalmology</i> , 2008, 115, 782-789.e2.	5.2	31
160	Phase-resolved Doppler optical coherence tomographyâ€™limitations and improvements. <i>Optics Letters</i> , 2008, 33, 1425.	3.3	90
161	Improved spectral optical coherence tomography using optical frequency comb. <i>Optics Express</i> , 2008, 16, 4163.	3.4	121
162	Flow velocity estimation using joint Spectral and Time domain Optical Coherence Tomography. <i>Optics Express</i> , 2008, 16, 6008.	3.4	192

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163	Correlation of spectral optical coherence tomography with fluorescein and indocyanine green angiography in multiple evanescent white dot syndrome. <i>British Journal of Ophthalmology</i> , 2008, 92, 1552-1557.	3.9	59
164	Optical Coherence Tomography Scan Circle Location and Mean Retinal Nerve Fiber Layer Measurement Variability. , 2008, 49, 2315.		94
165	Characterization of Outer Retinal Morphology with High-Speed, Ultrahigh-Resolution Optical Coherence Tomography. , 2008, 49, 1571.		261
166	Simultaneous analysis of extinction and flow velocity with joint spectral and time domain OCT. , 2008, , .		0
167	Flow velocity analysis with joint spectral and time domain OCT. , 2008, , .		0
168	Retinal blood flow analysis using joint spectral and time domain optical coherence tomography. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
169	Granular Corneal Dystrophy in 830-nm Spectral Optical Coherence Tomography. <i>Cornea</i> , 2008, 27, 830-832.	1.7	24
170	Spectral Optical Coherence Tomography using scanning optical frequency comb generator. , 2008, , .		0
171	Analysis of posterior retinal layers in spectral optical coherence tomography images of the normal retina and retinal pathologies. <i>Journal of Biomedical Optics</i> , 2007, 12, 041207.	2.6	36
172	Peripapillary Nerve Fiber Layer Thickness Profile Determined with High Speed, Ultrahigh Resolution Optical Coherence Tomography High-Density Scanning. , 2007, 48, 3154.		68
173	Spectral oximetry assessed with high-speed ultra-high-resolution optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2007, 12, 041212.	2.6	64
174	High-Speed Ultra-Resolution Optical Coherence Tomography Findings in Hydroxychloroquine Retinopathy. <i>JAMA Ophthalmology</i> , 2007, 125, 775.	2.4	131
175	In Vivo Corneal High-Speed, Ultra-Resolution Optical Coherence Tomography. <i>JAMA Ophthalmology</i> , 2007, 125, 1027.	2.4	75
176	Spectral Optical Coherence Tomography in Video-Rate and 3D Imaging of Contact Lens Wear. <i>Optometry and Vision Science</i> , 2007, 84, E1104-E1109.	1.2	23
177	Peripapillary Schisis in Glaucoma Patients With Narrow Angles and Increased Intraocular Pressure. <i>American Journal of Ophthalmology</i> , 2007, 143, 697-699.e1.	3.3	51
178	Photoreceptor Disruption Secondary to Posterior Vitreous Detachment as Visualized Using High-Speed Ultrahigh-Resolution Optical Coherence Tomography. <i>JAMA Ophthalmology</i> , 2007, 125, 1579.	2.4	8
179	Extracellular carbonic anhydrase mediates hemorrhagic retinal and cerebral vascular permeability through prekallikrein activation. <i>Nature Medicine</i> , 2007, 13, 181-188.	30.7	304
180	Spontaneous closure of stage III and IV idiopathic full-thickness macular holes—a two-case report. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 246, 99-104.	1.9	27

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181	High-speed, Ultrahigh Resolution Optical Coherence Tomography of the Retina in Hunter Syndrome. Ophthalmic Surgery Lasers and Imaging Retina, 2007, 38, 423-428.	0.7	18
182	Persistence of Cloquet's Canal in Normal Healthy Eyes. American Journal of Ophthalmology, 2006, 142, 862-864.	3.3	17
183	In vivo measurement of retinal physiology with high-speed ultrahigh-resolution optical coherence tomography. Optics Letters, 2006, 31, 2308.	3.3	171
184	Fourier Domain Mode Locking (FDML): A new laser operating regime and applications for optical coherence tomography. Optics Express, 2006, 14, 3225.	3.4	1,007
185	In vivo imaging of posterior capsule opacification using Spectral Optical Coherence Tomography. Journal of Cataract and Refractive Surgery, 2006, 32, 1892-1895.	1.5	6
186	High-Definition and 3-dimensional Imaging of Macular Pathologies with High-speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2006, 113, 2054-2065.e3.	5.2	310
187	Optical Coherence Tomography for Artwork Diagnostics. Laser Chemistry, 2006, 2006, 1-11.	0.5	41
188	Spectral optical coherence tomography for ophthalmologic applications. , 2006, , .		0
189	Spectral Optical Coherence Tomography. Cornea, 2006, 25, 960-965.	1.7	100
190	Retinal assessment using optical coherence tomography. Progress in Retinal and Eye Research, 2006, 25, 325-353.	15.5	199
191	Noninvasive Volumetric Imaging and Morphometry of the Rodent Retina with High-Speed, Ultrahigh-Resolution Optical Coherence Tomography. , 2006, 47, 5522.		177
192	The applicability of standard resolution spectral optical coherence tomography for examination of the eye pathologies. , 2005, , .		0
193	Three-dimensional retinal imaging with ultrahigh resolution Fourier/spectral domain optical coherence tomography. , 2005, 5688, 90.		0
194	High-speed imaging of retinal pathology using ultrahigh-resolution spectral/Fourier domain optical coherence tomography in the ophthalmology clinic. , 2005, 5690, 72.		7
195	Standard resolution spectral domain optical coherence tomography in clinical ophthalmic imaging. , 2005, , .		1
196	Clinical studies using ultrahigh resolution and high-speed optical coherence tomography. , 2005, , .		0
197	Improved complex spectral domain OCT for in vivo eye imaging. Optics Communications, 2005, 249, 357-362.	2.1	38
198	Quality improvement for high resolution in vivo images by spectral domain optical coherence tomography with supercontinuum source. Optics Communications, 2005, 246, 569-578.	2.1	48

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199	Coherent noise-free ophthalmic imaging by spectral optical coherence tomography. Journal Physics D: Applied Physics, 2005, 38, 2606-2611.	2.8	14
200	High-speed frequency swept light source for Fourier domain OCT at 20 kHz A-scan rate. , 2005, , .		8
201	Amplified, frequency swept lasers for frequency domain reflectometry and OCT imaging: design and scaling principles. Optics Express, 2005, 13, 3513.	3.4	479
202	Three-dimensional and C-mode OCT imaging with a compact, frequency swept laser source at 1300 nm. Optics Express, 2005, 13, 10523.	3.4	231
203	Three-dimensional Retinal Imaging with High-Speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2005, 112, 1734-1746.	5.2	633
204	Complex spectral OCT in human eye imaging in vivo. Optics Communications, 2004, 229, 79-84.	2.1	55
205	Ophthalmic imaging by spectral optical coherence tomography. American Journal of Ophthalmology, 2004, 138, 412-419.	3.3	287
206	Ultrahigh-resolution, high-speed, Fourier domain optical coherence tomography and methods for dispersion compensation. Optics Express, 2004, 12, 2404.	3.4	1,095
207	Real-time measurement of in vitro flow by Fourier-domain color Doppler optical coherence tomography. Optics Letters, 2004, 29, 171.	3.3	192
208	Real-time and static in vivo ophthalmic imaging by spectral optical coherence tomography. , 2004, 5314, 126.		1
209	Three-dimensional in vivo imaging by spectral OCT. , 2004, , .		6
210	Spectral shaping and least square iterative deconvolution in spectral OCT. , 2004, , .		2
211	<title>Ultrahigh-sensitivity imaging of the eye by spectral optical coherence tomography</title>. , 2004, , .		0
212	Static and dynamic spectral OCT imaging of human corneo-scleral junction in-vivo. , 2004, , .		0
213	Numerical estimation of the total phase shift in complex spectral OCT in vivo imaging. , 2004, 5316, 248.		1
214	The Application of Optical Coherence Tomography to Non-Destructive Examination of Museum Objects. Studies in Conservation, 2004, 49, 107-114.	1.1	87
215	Real-time measurement of in-vitro and in-vivo blood flow with Fourier domain optical coherence tomography. , 2004, , .		0
216	Real-time in vivo imaging by high-speed spectral optical coherence tomography. Optics Letters, 2003, 28, 1745.	3.3	323

#	ARTICLE	IF	CITATIONS
217	Complex spectral OCT in human eye imaging in vivo. , 2003, 5140, 28.		5
218	Real-time in vivo ophthalmic imaging by ultrafast spectral optical coherence tomography. , 2003, 4956, 50.		6
219	Fourier domain OCT imaging of the human eye in vivo. , 2002, 4619, 230.		10
220	Flow velocity measurements by frequency domain short coherence interferometry. , 2002, 4619, 16.		33
221	<title>Spectral OCT techniques in eye imaging</title>. , 2002, , .		1
222	Full range complex spectral optical coherence tomography technique in eye imaging. Optics Letters, 2002, 27, 1415.	3.3	421
223	In vivo human retinal imaging by Fourier domain optical coherence tomography. Journal of Biomedical Optics, 2002, 7, 457.	2.6	1,014
224	Spectroscopic analysis of substances by frequency domain optical coherence tomography. , 2001, 4251, 123.		1
225	<title>Autocorrelation free spectral OCT techniques in eye imaging</title>. , 2001, , .		2
226	Phase-sensitive interferometry in optical coherence tomography. , 2001, , .		4
227	<title>Depth-resolved spectroscopy by frequency-domain optical coherence tomography</title>. , 2000, 4160, 57.		2
228	Spectral measurement of absorption by spectroscopic frequency-domain optical coherence tomography. Optics Letters, 2000, 25, 820.	3.3	304
229	<title>Complex spectral interferometry OCT</title>. , 1998, 3564, 173.		49