James G Fujimoto

List of Publications by Year in Descending Order

201 papers	24,275 citations	72 h-index	155 g-index
217 ext. papers	29,335 ext. citations	6.6 avg, IF	6.87 L-index

#	Paper	IF	Citations
201	High speed, long range, deep penetration swept source OCT for structural and angiographic imaging of the anterior eye.. *Scientific Reports*, **2022**, 12, 992	4.9	0
200	Local Geographic Atrophy Growth Rates Not Influenced by Close Proximity to Non-Exudative Type 1 Macular Neovascularization. **2022**, 63, 20		4
199	Rapid histological imaging of bone without microtome sectioning using nonlinear microscopy. *Bone* , **2022**, 154, 116254	4.7	0
198	Form Follows Function. *Informatik Aktuell*, **2022**, 121-126	0.3	
197	Comparing Accuracies of Length-Type Geography Atrophy Growth Rate Metrics using Atrophy-Front Growth Modeling. *Ophthalmology Science*, **2022**, 100156		
196	Author Response: Local Geographic Atrophy Growth Rates Not Influenced by Close Proximity to Non-Exudative Type 1 Macular Neovascularization. **2022**, 63, 11		
195	Maximum a posteriori signal recovery for optical coherence tomography angiography image generation and denoising. *Biomedical Optics Express*, **2021**, 12, 55-68	3.5	1
194	Efficient and high accuracy 3-D OCT angiography motion correction in pathology. *Biomedical Optics Express*, **2021**, 12, 125-146	3.5	3
193	Functional imaging of human retina using integrated multispectral and laser speckle contrast imaging. *Journal of Biophotonics*, **2021**, e202100285	3.1	3
192	OCT-OCTA segmentation: combining structural and blood flow information to segment Bruch's membrane. *Biomedical Optics Express*, **2021**, 12, 84-99	3.5	3
191	Correction of circumferential and longitudinal motion distortion in high-speed catheter/endoscope-based optical coherence tomography. *Biomedical Optics Express*, **2021**, 12, 226-246	3.5	4
190	Multi-MHz MEMS-VCSEL swept-source optical coherence tomography for endoscopic structural and angiographic imaging with miniaturized brushless motor probes. *Biomedical Optics Express*, **2021**, 12, 2384-2403	3.5	5
189	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. *Biomedical Optics Express*, **2021**, 12, 4573-4595	3.5	3
188	Growth Modeling for Quantitative, Spatially Resolved Geographic Atrophy Lesion Kinetics. *Translational Vision Science and Technology*, **2021**, 10, 26	3.3	3
187	Geometric Perfusion Deficits: A Novel OCT Angiography Biomarker for Diabetic Retinopathy Based on Oxygen Diffusion. *American Journal of Ophthalmology*, **2021**, 222, 256-270	4.9	6
186	A microneedle platform for buccal macromolecule delivery. *Science Advances*, **2021**, 7,	14.3	21
185	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. *Ophthalmology*, **2021**, 128, 1109-1112	7.3	7

184	Multiscale correlation of microvascular changes on optical coherence tomography angiography with retinal sensitivity in diabetic retinopathy. *Retina*, **2021**,	3.6	1
183	FULL-THICKNESS MACULAR HOLE SIZE BY HYPERTRANSMISSION SIGNAL ON SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY. *Retina*, **2021**, 41, 2059-2065	3.6	0
182	Analyzing Relative Flow Speeds in Diabetic Retinopathy Using Variable Interscan Time Analysis OCT Angiography. *Ophthalmology Retina*, **2021**, 5, 49-59	3.8	3
181	Topographic analysis of macular choriocapillaris flow deficits in diabetic retinopathy using swept-source optical coherence tomography angiography. *International Journal of Retina and Vitreous*, **2020**, 6, 6	2.9	9
180	Macular and Peripapillary Optical Coherence Tomography Angiography Metrics Predict Progression in Diabetic Retinopathy: A Sub-analysis of TIME-2b Study Data. *American Journal of Ophthalmology*, **2020**, 219, 66-76	4.9	11
179	Developing a potential retinal OCT biomarker for local growth of geographic atrophy. *Biomedical Optics Express*, **2020**, 11, 5181-5196	3.5	3
178	Modularization of Deep Networks Allows Cross-Modality Reuse. *Informatik Aktuell*, **2020**, 274-279	0.3	
177	Compressed Sensing for Optical Coherence Tomography Angiography Volume Generation. *Informatik Aktuell*, **2020**, 82-87	0.3	
176	Correction propagation for user-assisted optical coherence tomography segmentation: general framework and application to Bruch's membrane segmentation. *Biomedical Optics Express*, **2020**, 11, 2830-2848	3.5	0
175	Consensus Nomenclature for Reporting Neovascular Age-Related Macular Degeneration Data: Consensus on Neovascular Age-Related Macular Degeneration Nomenclature Study Group. *Ophthalmology*, **2020**, 127, 616-636	7.3	154
174	Nonlinear microscopy for detection of prostate cancer: analysis of sensitivity and specificity in radical prostatectomies. *Modern Pathology*, **2020**, 33, 916-923	9.8	7
173	Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. *Cornea*, **2020**, 39, 598-604	3.1	2
172	QUANTIFICATION OF RETINAL CAPILLARY NONPERFUSION IN DIABETICS USING WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. *Retina*, **2020**, 40, 412-420	3.6	36
171	SPATIAL DISTRIBUTION OF CHORIOCAPILLARIS IMPAIRMENT IN EYES WITH CHOROIDAL NEOVASCULARIZATION SECONDARY TO AGE-RELATED MACULAR DEGENERATION: A Quantitative OCT Angiography Study. *Retina*, **2020**, 40, 428-445	3.6	17
170	A Framework for Multiscale Quantitation of Relationships Between Choriocapillaris Flow Impairment and Geographic Atrophy Growth. *American Journal of Ophthalmology*, **2020**, 214, 172-187	4.9	14
169	Tethered capsule en face optical coherence tomography for imaging Barrett's oesophagus in unsedated patients. *BMJ Open Gastroenterology*, **2020**, 7,	3.9	6
168	High-Speed, Ultrahigh-Resolution Spectral-Domain OCT with Extended Imaging Range Using Reference Arm Length Matching. *Translational Vision Science and Technology*, **2020**, 9, 12	3.3	10
167	The long-term effects of anti-vascular endothelial growth factor therapy on the optical coherence tomography angiographic appearance of neovascularization in age-related macular degeneration. *International Journal of Retina and Vitreous*, **2020**, 6, 39	2.9	4

166	Vascularized drusen: a cross-sectional study. *International Journal of Retina and Vitreous*, **2019**, 5, 36	2.9	2
165	A luminal unfolding microneedle injector for oral delivery of macromolecules. *Nature Medicine*, **2019**, 25, 1512-1518	50.5	88
164	Healed Culprit Plaques in Patients With Acute Coronary Syndromes. *Journal of the American College of Cardiology*, **2019**, 73, 2253-2263	15.1	58
163	Three-Dimensional Fibrous Cap Structure of Coronary Lipid Plaque - ST-Elevation Myocardial Infarction vs. Stable Angina. *Circulation Journal*, **2019**, 83, 1214-1219	2.9	1
162	Calcified Plaques in Patients With Acute Coronary Syndromes. *JACC: Cardiovascular Interventions*, **2019**, 12, 531-540	5	42
161	Comparing histologic evaluation of prostate tissue using nonlinear microscopy and paraffin H&E: a pilot study. *Modern Pathology*, **2019**, 32, 1158-1167	9.8	19
160	Controlling for Artifacts in Widefield Optical Coherence Tomography Angiography Measurements of Non-Perfusion Area. *Scientific Reports*, **2019**, 9, 9096	4.9	21
159	Retinal Nonperfusion Relationship to Arteries or Veins Observed on Widefield Optical Coherence Tomography Angiography in Diabetic Retinopathy **2019**, 60, 4310-4318		8
158	Comparison of nonlinear microscopy and frozen section histology for imaging of Mohs surgical margins. *Biomedical Optics Express*, **2019**, 10, 4249-4260	3.5	7
157	Assessment of chronic radiation proctopathy and radiofrequency ablation treatment follow-up with optical coherence tomography angiography: A pilot study. *World Journal of Gastroenterology*, **2019**, 25, 1997-2009	5.6	6
156	Fully automated analysis of OCT imaging of human kidneys for prediction of post-transplant function. *Biomedical Optics Express*, **2019**, 10, 1794-1821	3.5	3
155	Global Analysis of Macular Choriocapillaris Perfusion in Dry Age-Related Macular Degeneration using Swept-Source Optical Coherence Tomography Angiography **2019**, 60, 4985-4990		9
154	Assessment of Barrett's esophagus and dysplasia with ultrahigh-speed volumetric en face and cross-sectional optical coherence tomography. *Endoscopy*, **2019**, 51, 355-359	3.4	9
153	Rapid histopathological imaging of skin and breast cancer surgical specimens using immersion microscopy with ultraviolet surface excitation. *Scientific Reports*, **2018**, 8, 4476	4.9	36
152	Analyzing Relative Blood Flow Speeds in Choroidal Neovascularization Using Variable Interscan Time Analysis OCT Angiography. *Ophthalmology Retina*, **2018**, 2, 306-319	3.8	11
151	Multiscale nonlinear microscopy and widefield white light imaging enables rapid histological imaging of surgical specimen margins. *Biomedical Optics Express*, **2018**, 9, 2457-2475	3.5	19
150	Cycloid scanning for wide field optical coherence tomography endomicroscopy and angiography. *Optica*, **2018**, 5, 36-43	8.6	20
149	Tortuous Pore Path Through the Glaucomatous Lamina Cribrosa. *Scientific Reports*, **2018**, 8, 7281	4.9	11

148	Temporal and volumetric denoising via quantile sparse image prior. *Medical Image Analysis*, **2018**, 48, 131-146	15.4	9
147	A Joint Probabilistic Model for Speckle Variance, Amplitude Decorrelation and Interframe Variance (IFV) Optical Coherence Tomography Angiography. *Informatik Aktuell*, **2018**, 98-102	0.3	2
146	Quantifying Microvascular Changes Using OCT Angiography in Diabetic Eyes without Clinical Evidence of Retinopathy. *Ophthalmology Retina*, **2018**, 2, 418-427	3.8	41
145	Optical coherence tomography angiography. *Progress in Retinal and Eye Research*, **2018**, 64, 1-55	20.5	659
144	Rapid virtual hematoxylin and eosin histology of breast tissue specimens using a compact fluorescence nonlinear microscope. *Laboratory Investigation*, **2018**, 98, 150-160	5.9	33
143	Computer-Aided Analysis of Gland-Like Subsurface Hyposcattering Structures in Barrett Esophagus Using Optical Coherence Tomography. *Applied Sciences (Switzerland)*, **2018**, 8, 2420	2.6	4
142	Optical coherence tomography angiography (OCTA) flow speed mapping technology for retinal diseases. *Expert Review of Medical Devices*, **2018**, 15, 875-882	3.5	17
141	Choriocapillaris Loss in Advanced Age-Related Macular Degeneration. *Journal of Ophthalmology*, **2018**, 2018, 8125267	2	35
140	Endoscopic optical coherence tomography angiography microvascular features associated with dysplasia in Barrett's esophagus (with video). *Gastrointestinal Endoscopy*, **2017**, 86, 476-484.e3	5.2	25
139	Integrated local binary pattern texture features for classification of breast tissue imaged by optical coherence microscopy. *Medical Image Analysis*, **2017**, 38, 104-116	15.4	27
138	En Face Doppler Optical Coherence Tomography Measurement of Total Retinal Blood Flow in Diabetic Retinopathy and Diabetic Macular Edema. *JAMA Ophthalmology*, **2017**, 135, 244-251	3.9	22
137	Evaluating anesthetic protocols for functional blood flow imaging in the rat eye. *Journal of Biomedical Optics*, **2017**, 22, 16005	3.5	16
136	Clinical Significance of Lipid-Rich Plaque Detected by Optical Coherence Tomography: A 4-Year Follow-Up Study. *Journal of the American College of Cardiology*, **2017**, 69, 2502-2513	15.1	82
135	Photoreceptor Layer Thickness Changes During Dark Adaptation Observed With Ultrahigh-Resolution Optical Coherence Tomography **2017**, 58, 4632-4643		42
134	Polypoidal Choroidal Vasculopathy on Swept-Source Optical Coherence Tomography Angiography with Variable Interscan Time Analysis. *Translational Vision Science and Technology*, **2017**, 6, 4	3.3	17
133	Thick Prelaminar Tissue Decreases Lamina Cribrosa Visibility **2017**, 58, 1751-1757		10
132	Location of the Central Retinal Vessel Trunk in the Laminar and Prelaminar Tissue of Healthy and Glaucomatous Eyes. *Scientific Reports*, **2017**, 7, 9930	4.9	8
131	The Definition, Rationale, and Effects of Thresholding in OCT Angiography. *Ophthalmology Retina*, **2017**, 1, 435-447	3.8	32

130	Clinical Predictors for Lack of Favorable Vascular Response to Statin Therapy in Patients With Coronary Artery Disease: A Serial Optical Coherence Tomography Study. *Journal of the American Heart Association*, **2017**, 6,	6	12
129	Assessment of the radiofrequency ablation dynamics of esophageal tissue with optical coherence tomography. *Journal of Biomedical Optics*, **2017**, 22, 76001	3.5	10
128	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. *Ophthalmology*, **2017**, 124, 197-204	7.3	51
127	Ultrahigh-speed endoscopic optical coherence tomography and angiography enables delineation of lateral margins of endoscopic mucosal resection: a case report. *Therapeutic Advances in Gastroenterology*, **2017**, 10, 931-936	4.7	8
126	The ecosystem that powered the translation of OCT from fundamental research to clinical and commercial impact [Invited]. *Biomedical Optics Express*, **2017**, 8, 1638-1664	3.5	63
125	Volumetric Mapping of Barrett's Esophagus and Dysplasia With en face Optical Coherence Tomography Tethered Capsule. *American Journal of Gastroenterology*, **2016**, 111, 1664-1666	0.7	24
124	SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY REVEALS CHORIOCAPILLARIS ALTERATIONS IN EYES WITH NASCENT GEOGRAPHIC ATROPHY AND DRUSEN-ASSOCIATED GEOGRAPHIC ATROPHY. *Retina*, **2016**, 36 Suppl 1, S2-S11	3.6	92
123	AN AUTOMATIC, INTERCAPILLARY AREA-BASED ALGORITHM FOR QUANTIFYING DIABETES-RELATED CAPILLARY DROPOUT USING OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. *Retina*, **2016**, 36 Suppl 1, S93-S101	3.6	61
122	Choroidal Neovascularization Analyzed on Ultrahigh-Speed Swept-Source Optical Coherence Tomography Angiography Compared to Spectral-Domain Optical Coherence Tomography Angiography. *American Journal of Ophthalmology*, **2016**, 164, 80-8	4.9	118
121	Three-Dimensional Enhanced Imaging of Vitreoretinal Interface in Diabetic Retinopathy Using Swept-Source Optical Coherence Tomography. *American Journal of Ophthalmology*, **2016**, 162, 140-149.e1	4.9	25
120	Virtual Hematoxylin and Eosin Transillumination Microscopy Using Epi-Fluorescence Imaging. *PLoS ONE*, **2016**, 11, e0159337	3.7	54
119	Foreword: 25 Years of Optical Coherence Tomography **2016**, 57, OCTi-OCTii		20
118	Visualizing the Choriocapillaris Under Drusen: Comparing 1050-nm Swept-Source Versus 840-nm Spectral-Domain Optical Coherence Tomography Angiography **2016**, 57, OCT585-90		80
117	Decreased Lamina Cribrosa Beam Thickness and Pore Diameter Relative to Distance From the Central Retinal Vessel Trunk **2016**, 57, 3088-92		8
116	The Development, Commercialization, and Impact of Optical Coherence Tomography **2016**, 57, OCT1-OCT13		209
115	Cubic meter volume optical coherence tomography. *Optica*, **2016**, 3, 1496-1503	8.6	81
114	Circumferential optical coherence tomography angiography imaging of the swine esophagus using a micromotor balloon catheter. *Biomedical Optics Express*, **2016**, 7, 2927-42	3.5	23
113	TOWARD QUANTITATIVE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY: Visualizing Blood Flow Speeds in Ocular Pathology Using Variable Interscan Time Analysis. *Retina*, **2016**, 36 Suppl 1, S118-S126	3.6	83

112	Direct comparison between confocal and multiphoton microscopy for rapid histopathological evaluation of unfixed human breast tissue. *Journal of Biomedical Optics*, **2016**, 21, 126021	3.5	19
111	Select Features of Diabetic Retinopathy on Swept-Source Optical Coherence Tomographic Angiography Compared With Fluorescein Angiography and Normal Eyes. *JAMA Ophthalmology*, **2016**, 134, 644-50	3.9	138
110	Optical Coherence Tomography Angiography of Dry Age-Related Macular Degeneration. *Developments in Ophthalmology*, **2016**, 56, 91-100		65
109	Design of a portable wide field of view GPU-accelerated multiphoton imaging system for real-time imaging of breast surgical specimens **2016**,		2
108	Quantitative optical coherence tomography angiography of vascular abnormalities in the living human eye. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2395-402	11.5	474
107	En face imaging of the choroid in polypoidal choroidal vasculopathy using swept-source optical coherence tomography. *American Journal of Ophthalmology*, **2015**, 159, 634-43	4.9	57
106	Ultrahigh speed en face OCT capsule for endoscopic imaging. *Biomedical Optics Express*, **2015**, 6, 1146-63	3.5	48
105	Silicon photonic integrated circuit swept-source optical coherence tomography receiver with dual polarization, dual balanced, in-phase and quadrature detection. *Biomedical Optics Express*, **2015**, 6, 2562-74	3.5	32
104	Multimodal optical imaging system for in vivo investigation of cerebral oxygen delivery and energy metabolism. *Biomedical Optics Express*, **2015**, 6, 4994-5007	3.5	25
103	Ultrahigh-Speed, Swept-Source Optical Coherence Tomography Angiography in Nonexudative Age-Related Macular Degeneration with Geographic Atrophy. *Ophthalmology*, **2015**, 122, 2532-44	7.3	196
102	Rapid imaging of surgical breast excisions using direct temporal sampling two photon fluorescent lifetime imaging. *Biomedical Optics Express*, **2015**, 6, 4317-25	3.5	26
101	IMAGE ARTIFACTS IN OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. *Retina*, **2015**, 35, 2163-80	3.6	684
100	Cardiac-Gated En Face Doppler Measurement of Retinal Blood Flow Using Swept-Source Optical Coherence Tomography at 100,000 Axial Scans per Second **2015**, 56, 2522-30		15
99	Characterization of Choroidal Layers in Normal Aging Eyes Using Enface Swept-Source Optical Coherence Tomography. *PLoS ONE*, **2015**, 10, e0133080	3.7	39
98	Combined 60□Wide-Field Choroidal Thickness Maps and High-Definition En Face Vasculature Visualization Using Swept-Source Megahertz OCT at 1050 nm **2015**, 56, 6284-93		42
97	Wideband Electrically-Pumped 1050 nm MEMS-Tunable VCSEL for Ophthalmic Imaging. *Journal of Lightwave Technology*, **2015**, 33, 3461-3468	4	49
96	Retinal Optical Coherence Tomography Imaging **2015**, 1685-1735		5
95	Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. *British Journal of Ophthalmology*, **2014**, 98, 1368-73	5.5	173

94	Assessment of breast pathologies using nonlinear microscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15304-9	11.5	119
93	Optical coherence tomography angiography of optic disc perfusion in glaucoma. *Ophthalmology*, **2014**, 121, 1322-32	7.3	498
92	En face enhanced-depth swept-source optical coherence tomography features of chronic central serous chorioretinopathy. *Ophthalmology*, **2014**, 121, 719-26	7.3	144
91	Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. *Ophthalmology*, **2014**, 121, 1435-44	7.3	550
90	Reproducibility of in-vivo OCT measured three-dimensional human lamina cribrosa microarchitecture. *PLoS ONE*, **2014**, 9, e95526	3.7	20
89	Enhanced vitreous imaging in healthy eyes using swept source optical coherence tomography. *PLoS ONE*, **2014**, 9, e102950	3.7	40
88	Choroid, Haller's, and Sattler's layer thickness in intermediate age-related macular degeneration with and without fellow neovascular eyes **2014**, 55, 5074-80		44
87	Endoscopic Optical Coherence Tomography for Clinical Gastroenterology. *Diagnostics*, **2014**, 4, 57-93	3.8	57
86	Computer-aided image analysis algorithm to enhance in vivo diagnosis of plaque erosion by intravascular optical coherence tomography. *Circulation: Cardiovascular Imaging*, **2014**, 7, 805-10	3.9	10
85	Depth-encoded all-fiber swept source polarization sensitive OCT. *Biomedical Optics Express*, **2014**, 5, 2931-49	3.5	43
84	Quantitative 3D-OCT motion correction with tilt and illumination correction, robust similarity measure and regularization. *Biomedical Optics Express*, **2014**, 5, 2591-613	3.5	128
83	Ultrahigh speed endoscopic optical coherence tomography for gastroenterology. *Biomedical Optics Express*, **2014**, 5, 4387-404	3.5	30
82	Correction of rotational distortion for catheter-based en face OCT and OCT angiography. *Optics Letters*, **2014**, 39, 5973-6	3	37
81	Endoscopic optical coherence angiography enables 3-dimensional visualization of subsurface microvasculature. *Gastroenterology*, **2014**, 147, 1219-21	13.3	43
80	Choroidal analysis in healthy eyes using swept-source optical coherence tomography compared to spectral domain optical coherence tomography. *American Journal of Ophthalmology*, **2014**, 157, 1272-1281.e1	4.9	84
79	Choroidal Haller's and Sattler's layer thickness measurement using 3-dimensional 1060-nm optical coherence tomography. *PLoS ONE*, **2014**, 9, e99690	3.7	48
78	Ultrahigh-speed swept-source OCT angiography in exudative AMD. *Ophthalmic Surgery Lasers and Imaging Retina*, **2014**, 45, 496-505	1.4	171
77	Handheld ultrahigh speed swept source optical coherence tomography instrument using a MEMS scanning mirror. *Biomedical Optics Express*, **2013**, 5, 293-311	3.5	126

76	Phase-sensitive swept-source optical coherence tomography imaging of the human retina with a vertical cavity surface-emitting laser light source. *Optics Letters*, **2013**, 38, 338-40	3	111
75	Ultrahigh speed endoscopic optical coherence tomography using micromotor imaging catheter and VCSEL technology. *Biomedical Optics Express*, **2013**, 4, 1119-32	3.5	92
74	Choriocapillaris and choroidal microvasculature imaging with ultrahigh speed OCT angiography. *PLoS ONE*, **2013**, 8, e81499	3.7	209
73	Optical flywheels with attosecond jitter. *Nature Photonics*, **2012**, 6, 97-100	33.9	92
72	Structural markers observed with endoscopic 3-dimensional optical coherence tomography correlating with Barrett's esophagus radiofrequency ablation treatment response (with videos). *Gastrointestinal Endoscopy*, **2012**, 76, 1104-12	5.2	56
71	Three-dimensional endoscopic optical coherence tomography imaging of cervical inlet patch. *Gastrointestinal Endoscopy*, **2012**, 75, 675-7; discussion 677	5.2	9
70	Characterization of buried glands before and after radiofrequency ablation by using 3-dimensional optical coherence tomography (with videos). *Gastrointestinal Endoscopy*, **2012**, 76, 32-40	5.2	95
69	Motion correction in optical coherence tomography volumes on a per A-scan basis using orthogonal scan patterns. *Biomedical Optics Express*, **2012**, 3, 1182-99	3.5	288
68	Retinal, anterior segment and full eye imaging using ultrahigh speed swept source OCT with vertical-cavity surface emitting lasers. *Biomedical Optics Express*, **2012**, 3, 2733-51	3.5	227
67	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. *Optics Express*, **2012**, 20, 4710-25	3.3	1250
66	Swept source/Fourier domain polarization sensitive optical coherence tomography with a passive polarization delay unit. *Optics Express*, **2012**, 20, 10229-41	3.3	88
65	Comparison of Tissue Architectural Changes between Radiofrequency Ablation and Cryospray Ablation in Barrett's Esophagus Using Endoscopic Three-Dimensional Optical Coherence Tomography. *Gastroenterology Research and Practice*, **2012**, 2012, 684832	2	18
64	Cervical inlet patch-optical coherence tomography imaging and clinical significance. *World Journal of Gastroenterology*, **2012**, 18, 2502-10	5.6	10
63	Piezoelectric-transducer-based miniature catheter for ultrahigh-speed endoscopic optical coherence tomography. *Biomedical Optics Express*, **2011**, 2, 2438-48	3.5	25
62	Integrated optical coherence tomography and microscopy for ex vivo multiscale evaluation of human breast tissues. *Cancer Research*, **2010**, 70, 10071-9	10.1	76
61	High speed optical coherence microscopy with autofocus adjustment and a miniaturized endoscopic imaging probe. *Optics Express*, **2010**, 18, 4222-39	3.3	47
60	Ultrahigh speed 1050nm swept source/Fourier domain OCT retinal and anterior segment imaging at 100,000 to 400,000 axial scans per second. *Optics Express*, **2010**, 18, 20029-48	3.3	353
59	Photothermal optical coherence tomography in ex vivo human breast tissues using gold nanoshells. *Optics Letters*, **2010**, 35, 700-2	3	70

58	Effective treatment of chronic radiation proctitis using radiofrequency ablation. *Therapeutic Advances in Gastroenterology*, **2009**, 2, 149-156	4.7	70
57	Three-dimensional endomicroscopy of the human colon using optical coherence tomography. *Optics Express*, **2009**, 17, 784-96	3.3	98
56	Three-dimensional ultrahigh resolution optical coherence tomography imaging of age-related macular degeneration. *Optics Express*, **2009**, 17, 4046-60	3.3	36
55	Future of Optical Coherence Tomography: Ultrahigh-Resolution Versus Standard-Resolution OCT **2009**, 431-437		
54	High-resolution optical coherence tomography imaging of the living kidney. *Laboratory Investigation*, **2008**, 88, 441-9	5.9	38
53	State-of-the-art retinal optical coherence tomography. *Progress in Retinal and Eye Research*, **2008**, 27, 45-88	20.5	589
52	Ultrahigh speed spectral / Fourier domain OCT ophthalmic imaging at 70,000 to 312,500 axial scans per second. *Optics Express*, **2008**, 16, 15149-69	3.3	302
51	Three-dimensional endomicroscopy using optical coherence tomography. *Nature Photonics*, **2007**, 1, 709-716	33.9	217
50	Submicron-Period Waveguide Bragg Gratings Direct Written by an 800-nm Femtosecond Oscillator **2007**,		1
49	Benign and malignant lesions in the human breast depicted with ultrahigh resolution and three-dimensional optical coherence tomography. *Radiology*, **2007**, 244, 865-74	20.5	77
48	High-resolution three-dimensional optical coherence tomography imaging of kidney microanatomy ex vivo. *Journal of Biomedical Optics*, **2007**, 12, 034008	3.5	29
47	Phase-sensitive optical coherence tomography at up to 370,000 lines per second using buffered Fourier domain mode-locked lasers. *Optics Letters*, **2007**, 32, 626-8	3	104
46	Buffered Fourier domain mode locking: Unidirectional swept laser sources for optical coherence tomography imaging at 370,000 lines/s. *Optics Letters*, **2006**, 31, 2975-7	3	296
45	Continuum generation in a novel photonic crystal fiber for ultrahigh resolution optical coherence tomography at 800 nm and 1300 nm. *Optics Express*, **2006**, 14, 1145-60	3.3	76
44	High-definition and 3-dimensional imaging of macular pathologies with high-speed ultrahigh-resolution optical coherence tomography. *Ophthalmology*, **2006**, 113, 2054.e1-14	7.3	268
43	Three-dimensional retinal imaging with high-speed ultrahigh-resolution optical coherence tomography. *Ophthalmology*, **2005**, 112, 1734-46	7.3	532
42	Comparison of ultrahigh- and standard-resolution optical coherence tomography for imaging macular pathology. *Ophthalmology*, **2005**, 112, 1922.e1-15	7.3	146
41	Ultrahigh-resolution and 3-dimensional optical coherence tomography ex vivo imaging of the large and small intestines. *Gastrointestinal Endoscopy*, **2005**, 62, 561-74	5.2	47

40	Macular segmentation with optical coherence tomography. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2012-7		397
39	Ultrahigh-resolution endoscopic optical coherence tomography for gastrointestinal imaging **2005**,		1
38	High-speed frequency swept light source for Fourier domain OCT at 20 kHz A-scan rate **2005**,		3
37	Ultrahigh-resolution endoscopic optical coherence tomography **2005**, 5630, 265		
36	Ultrahigh resolution optical coherence tomography imaging with a broadband superluminescent diode light source. *Optics Express*, **2004**, 12, 2112-9	3.3	103
35	Ultrahigh-resolution, high-speed, Fourier domain optical coherence tomography and methods for dispersion compensation. *Optics Express*, **2004**, 12, 2404-22	3.3	775
34	Optical coherence tomography using a continuous-wave, high-power, Raman continuum light source. *Optics Express*, **2004**, 12, 5287-95	3.3	68
33	Optical coherence tomography for ultrahigh resolution in vivo imaging. *Nature Biotechnology*, **2003**, 21, 1361-7	44.5	743
32	Comparison of optic nerve head measurements obtained by optical coherence tomography and confocal scanning laser ophthalmoscopy. *American Journal of Ophthalmology*, **2003**, 135, 504-12	4.9	125
31	Analysis of macular volume in normal and glaucomatous eyes using optical coherence tomography. *American Journal of Ophthalmology*, **2003**, 135, 838-43	4.9	110
30	Enhanced visualization of macular pathology with the use of ultrahigh-resolution optical coherence tomography. *JAMA Ophthalmology*, **2003**, 121, 695-706		376
29	Optical coherence tomography measurement of nerve fiber layer thickness and the likelihood of a visual field defect. *American Journal of Ophthalmology*, **2002**, 134, 538-46	4.9	68
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27	Ultrahigh-resolution ophthalmic optical coherence tomography. *Nature Medicine*, **2001**, 7, 502-7	50.5	729
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