

James G Fujimoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2791451/publications.pdf>

Version: 2024-02-01

214
papers

32,061
citations

7087

78
h-index

4338

173
g-index

217
all docs

217
docs citations

217
times ranked

14325
citing authors

#	ARTICLE	IF	CITATIONS
1	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Optics Express</i> , 2012, 20, 4710.	1.7	1,574
2	In Vivo Endoscopic Optical Biopsy with Optical Coherence Tomography. <i>Science</i> , 1997, 276, 2037-2039.	6.0	1,365
3	Imaging of Macular Diseases with Optical Coherence Tomography. <i>Ophthalmology</i> , 1995, 102, 217-229.	2.5	1,222
4	Optical coherence tomography angiography. <i>Progress in Retinal and Eye Research</i> , 2018, 64, 1-55.	7.3	1,112
5	Ultrahigh-resolution, high-speed, Fourier domain optical coherence tomography and methods for dispersion compensation. <i>Optics Express</i> , 2004, 12, 2404.	1.7	1,095
6	Optical coherence tomography for ultrahigh resolution in vivo imaging. <i>Nature Biotechnology</i> , 2003, 21, 1361-1367.	9.4	975
7	Ultrahigh-resolution ophthalmic optical coherence tomography. <i>Nature Medicine</i> , 2001, 7, 502-507.	15.2	954
8	IMAGE ARTIFACTS IN OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2015, 35, 2163-2180.	1.0	879
9	Optical biopsy and imaging using optical coherence tomography. <i>Nature Medicine</i> , 1995, 1, 970-972.	15.2	844
10	Optical Coherence Tomography: An Emerging Technology for Biomedical Imaging and Optical Biopsy. <i>Neoplasia</i> , 2000, 2, 9-25.	2.3	817
11	State-of-the-art retinal optical coherence tomography. <i>Progress in Retinal and Eye Research</i> , 2008, 27, 45-88.	7.3	734
12	Reproducibility of Nerve Fiber Layer Thickness Measurements Using Optical Coherence Tomography. <i>Ophthalmology</i> , 1996, 103, 1889-1898.	2.5	660
13	Optical coherence microscopy in scattering media. <i>Optics Letters</i> , 1994, 19, 590.	1.7	655
14	Quantitative Optical Coherence Tomography Angiography of Choroidal Neovascularization in Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2014, 121, 1435-1444.	2.5	654
15	Optical Coherence Tomography Angiography of Optic Disc Perfusion in Glaucoma. <i>Ophthalmology</i> , 2014, 121, 1322-1332.	2.5	635
16	Three-dimensional Retinal Imaging with High-Speed Ultrahigh-Resolution Optical Coherence Tomography. <i>Ophthalmology</i> , 2005, 112, 1734-1746.	2.5	633
17	Topography of diabetic macular edema with optical coherence tomography. <i>Ophthalmology</i> , 1998, 105, 360-370.	2.5	597
18	Quantitative optical coherence tomography angiography of vascular abnormalities in the living human eye. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2395-402.	3.3	563

#	ARTICLE	IF	CITATIONS
19	Buffered Fourier domain mode locking: unidirectional swept laser sources for optical coherence tomography imaging at 370,000 lines/s. Optics Letters, 2006, 31, 2975.	1.7	490
20	Optical Coherence Tomography for Optical Biopsy. Circulation, 1996, 93, 1206-1213.	1.6	482
21	Optical Coherence Tomography of Macular Holes. Ophthalmology, 1995, 102, 748-756.	2.5	472
22	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.	1.7	469
23	Macular Segmentation with Optical Coherence Tomography. , 2005, 46, 2012.		460
24	Enhanced Visualization of Macular Pathology With the Use of Ultrahigh-Resolution Optical Coherence Tomography. JAMA Ophthalmology, 2003, 121, 695.	2.6	436
25	Ultrahigh speed Spectral / Fourier domain OCT ophthalmic imaging at 70,000 to 312,500 axial scans per second. Optics Express, 2008, 16, 15149.	1.7	429
26	Consensus Nomenclature for Reporting Neovascular Age-Related Macular Degeneration Data. Ophthalmology, 2020, 127, 616-636.	2.5	417
27	Optical Coherence Tomography of Age-related Macular Degeneration and Choroidal Neovascularization. Ophthalmology, 1996, 103, 1260-1270.	2.5	410
28	Characterization of Epiretinal Membranes Using Optical Coherence Tomography. Ophthalmology, 1996, 103, 2142-2151.	2.5	376
29	Motion correction in optical coherence tomography volumes on a per A-scan basis using orthogonal scan patterns. Biomedical Optics Express, 2012, 3, 1182.	1.5	365
30	The Development, Commercialization, and Impact of Optical Coherence Tomography. , 2016, 57, OCT1.		325
31	High-Definition and 3-dimensional Imaging of Macular Pathologies with High-speed Ultrahigh-Resolution Optical Coherence Tomography. Ophthalmology, 2006, 113, 2054-2065.e3.	2.5	310
32	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.	1.5	298
33	Three-dimensional endomicroscopy using optical coherence tomography. Nature Photonics, 2007, 1, 709-716.	15.6	296
34	Choriocapillaris and Choroidal Microvasculature Imaging with Ultrahigh Speed OCT Angiography. PLoS ONE, 2013, 8, e81499.	1.1	289
35	In vivo cellular optical coherence tomography imaging. Nature Medicine, 1998, 4, 861-865.	15.2	285
36	Ultrahigh-Speed, Swept-Source Optical Coherence Tomography Angiography in Nonexudative Age-Related Macular Degeneration with Geographic Atrophy. Ophthalmology, 2015, 122, 2532-2544.	2.5	244

#	ARTICLE	IF	CITATIONS
37	Imaging needle for optical coherence tomography. <i>Optics Letters</i> , 2000, 25, 1520.	1.7	215
38	Optical Coherence Tomography of Central Serous Chorioretinopathy. <i>American Journal of Ophthalmology</i> , 1995, 120, 65-74.	1.7	214
39	Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2014, 98, 1368-1373.	2.1	213
40	Ultrahigh-Speed Swept-Source OCT Angiography in Exudative AMD. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014, 45, 496-505.	0.4	206
41	Comparison of Ultrahigh- and Standard-Resolution Optical Coherence Tomography for Imaging Macular Pathology. <i>Ophthalmology</i> , 2005, 112, 1922.e1-1922.e15.	2.5	196
42	Select Features of Diabetic Retinopathy on Swept-Source Optical Coherence Tomographic Angiography Compared With Fluorescein Angiography and Normal Eyes. <i>JAMA Ophthalmology</i> , 2016, 134, 644.	1.4	182
43	En Face Enhanced-Depth Swept-Source Optical Coherence Tomography Features of Chronic Central Serous Chorioretinopathy. <i>Ophthalmology</i> , 2014, 121, 719-726.	2.5	174
44	Assessment of breast pathologies using nonlinear microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15304-15309.	3.3	169
45	A luminal unfolding microneedle injector for oral delivery of macromolecules. <i>Nature Medicine</i> , 2019, 25, 1512-1518.	15.2	167
46	Handheld ultrahigh speed swept source optical coherence tomography instrument using a MEMS scanning mirror. <i>Biomedical Optics Express</i> , 2014, 5, 293.	1.5	163
47	Phase-sensitive optical coherence tomography at up to 370,000 lines per second using buffered Fourier domain mode-locked lasers. <i>Optics Letters</i> , 2007, 32, 626.	1.7	160
48	Feasibility of optical coherence tomography for high-resolution imaging of human gastrointestinal tract malignancies. <i>Journal of Gastroenterology</i> , 2000, 35, 87-92.	2.3	154
49	Quantitative 3D-OCT motion correction with tilt and illumination correction, robust similarity measure and regularization. <i>Biomedical Optics Express</i> , 2014, 5, 2591.	1.5	150
50	Comparison of optic nerve head measurements obtained by optical coherence tomography and confocal scanning laser ophthalmoscopy. <i>American Journal of Ophthalmology</i> , 2003, 135, 504-512.	1.7	148
51	Micron-resolution ranging of cornea anterior chamber by optical reflectometry. <i>Lasers in Surgery and Medicine</i> , 1991, 11, 419-425.	1.1	144
52	Clinical Significance of Lipid-Rich Plaque Detected by Optical Coherence Tomography. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2502-2513.	1.2	142
53	Phase-sensitive swept-source optical coherence tomography imaging of the human retina with a vertical cavity surface-emitting laser light source. <i>Optics Letters</i> , 2013, 38, 338.	1.7	141
54	Three-dimensional endomicroscopy of the human colon using optical coherence tomography. <i>Optics Express</i> , 2009, 17, 784.	1.7	139

#	ARTICLE	IF	CITATIONS
55	Optical flywheels with attosecond jitter. <i>Nature Photonics</i> , 2012, 6, 97-100.	15.6	139
56	Choroidal Neovascularization Analyzed on Ultrahigh-Speed Swept-Source Optical Coherence Tomography Angiography Compared to Spectral-Domain Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2016, 164, 80-88.	1.7	137
57	Index Matching to Improve Optical Coherence Tomography Imaging Through Blood. <i>Circulation</i> , 2001, 103, 1999-2003.	1.6	133
58	Swept source / Fourier domain polarization sensitive optical coherence tomography with a passive polarization delay unit. <i>Optics Express</i> , 2012, 20, 10229.	1.7	131
59	Ultrahigh resolution optical coherence tomography imaging with a broadband superluminescent diode light source. <i>Optics Express</i> , 2004, 12, 2112.	1.7	126
60	Analysis of macular volume in normal and glaucomatous eyes using optical coherence tomography. <i>American Journal of Ophthalmology</i> , 2003, 135, 838-843.	1.7	125
61	Characterization of buried glands before and after radiofrequency ablation by using 3-dimensional optical coherence tomography (with videos). <i>Gastrointestinal Endoscopy</i> , 2012, 76, 32-40.	0.5	117
62	Ultrahigh speed endoscopic optical coherence tomography using micromotor imaging catheter and VCSEL technology. <i>Biomedical Optics Express</i> , 2013, 4, 1119.	1.5	116
63	TOWARD QUANTITATIVE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2016, 36, S118-S126.	1.0	114
64	SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY REVEALS CHORIOCAPILLARIS ALTERATIONS IN EYES WITH NASCENT GEOGRAPHIC ATROPHY AND DRUSEN-ASSOCIATED GEOGRAPHIC ATROPHY. <i>Retina</i> , 2016, 36, S2-S11.	1.0	111
65	Healed Culprit Plaques in Patients With Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2253-2263.	1.2	111
66	Cubic meter volume optical coherence tomography. <i>Optica</i> , 2016, 3, 1496.	4.8	109
67	HIGH-RESOLUTION IMAGING OF GYNECOLOGIC NEOPLASMS USING OPTICAL COHERENCE TOMOGRAPHY. <i>Obstetrics and Gynecology</i> , 1999, 93, 135-139.	1.2	105
68	Continuum generation in a novel photonic crystal fiber for ultrahigh resolution optical coherence tomography at 800 nm and 1300 nm. <i>Optics Express</i> , 2006, 14, 1145.	1.7	102
69	The ecosystem that powered the translation of OCT from fundamental research to clinical and commercial impact [Invited]. <i>Biomedical Optics Express</i> , 2017, 8, 1638.	1.5	102
70	Integrated Optical Coherence Tomography and Microscopy for <i>Ex Vivo</i> Multiscale Evaluation of Human Breast Tissues. <i>Cancer Research</i> , 2010, 70, 10071-10079.	0.4	98
71	Choroidal Analysis in Healthy Eyes Using Swept-Source Optical Coherence Tomography Compared to Spectral Domain Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2014, 157, 1272-1281.e1.	1.7	97
72	Catheter-Based Optical Imaging of a Human Coronary Artery. <i>Circulation</i> , 1996, 94, 3013-3013.	1.6	97

#	ARTICLE	IF	CITATIONS
73	Visualizing the Choriocapillaris Under Drusen: Comparing 1050-nm Swept-Source Versus 840-nm Spectral-Domain Optical Coherence Tomography Angiography. , 2016, 57, OCT585.		95
74	Benign and Malignant Lesions in the Human Breast Depicted with Ultrahigh Resolution and Three-dimensional Optical Coherence Tomography. Radiology, 2007, 244, 865-874.	3.6	93
75	Calcified Plaques in Patients With Acute Coronary Syndromes. JACC: Cardiovascular Interventions, 2019, 12, 531-540.	1.1	92
76	Optical coherence tomography as a method for identifying benign and malignant microscopic structures in the prostate gland. Urology, 2000, 55, 783-787.	0.5	91
77	Optical coherence tomography using a continuous-wave, high-power, Raman continuum light source. Optics Express, 2004, 12, 5287.	1.7	91
78	Virtual Hematoxylin and Eosin Transillumination Microscopy Using Epi-Fluorescence Imaging. PLoS ONE, 2016, 11, e0159337.	1.1	91
79	Optical Coherence Tomography Angiography of Dry Age-Related Macular Degeneration. Developments in Ophthalmology, 2016, 56, 91-100.	0.1	90
80	Picosecond optical breakdown: Tissue effects and reduction of collateral damage. Lasers in Surgery and Medicine, 1989, 9, 193-204.	1.1	89
81	Photothermal optical coherence tomography in ex vivo human breast tissues using gold nanoshells. Optics Letters, 2010, 35, 700.	1.7	86
82	Effective treatment of chronic radiation proctitis using radiofrequency ablation. Therapeutic Advances in Gastroenterology, 2009, 2, 149-156.	1.4	80
83	Endoscopic Optical Coherence Tomography for Clinical Gastroenterology. Diagnostics, 2014, 4, 57-93.	1.3	78
84	AN AUTOMATIC, INTERCAPILLARY AREA-BASED ALGORITHM FOR QUANTIFYING DIABETES-RELATED CAPILLARY DROPOUT USING OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2016, 36, S93-S101.	1.0	77
85	Optical coherence tomography measurement of nerve fiber layer thickness and the likelihood of a visual field defect 11InternetAdvance publication at ajo.com Sep 23, 2002.. American Journal of Ophthalmology, 2002, 134, 538-546.	1.7	75
86	Wideband Electrically Pumped 1050-nm MEMS-Tunable VCSEL for Ophthalmic Imaging. Journal of Lightwave Technology, 2015, 33, 3461-3468.	2.7	73
87	A microneedle platform for buccal macromolecule delivery. Science Advances, 2021, 7, .	4.7	70
88	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. Ophthalmology, 2017, 124, 197-204.	2.5	67
89	COMPARATIVE STUDIES OF FEMTOSECOND TO MICROSECOND LASER PULSES ON SELECTIVE PIGMENTED CELL INJURY IN SKIN. Photochemistry and Photobiology, 1991, 53, 757-762.	1.3	66
90	High-resolution optical coherence tomography imaging of the living kidney. Laboratory Investigation, 2008, 88, 441-449.	1.7	65

#	ARTICLE	IF	CITATIONS
91	En Face Imaging of the Choroid in Polypoidal Choroidal Vasculopathy Using Swept-Source Optical Coherence Tomography. American Journal of Ophthalmology, 2015, 159, 634-643.e2.	1.7	64
92	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, 1104-1112.	0.5	63
93	QUANTIFICATION OF RETINAL CAPILLARY NONPERFUSION IN DIABETICS USING WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2020, 40, 412-420.	1.0	62
94	Photoreceptor Layer Thickness Changes During Dark Adaptation Observed With Ultrahigh-Resolution Optical Coherence Tomography. , 2017, 58, 4632.		61
95	Choroidal Haller's and Sattler's Layer Thickness Measurement Using 3-Dimensional 1060-nm Optical Coherence Tomography. PLoS ONE, 2014, 9, e99690.	1.1	61
96	High speed optical coherence microscopy with autofocus adjustment and a miniaturized endoscopic imaging probe. Optics Express, 2010, 18, 4222.	1.7	60
97	Ultrahigh speed en face OCT capsule for endoscopic imaging. Biomedical Optics Express, 2015, 6, 1146.	1.5	60
98	Rapid histopathological imaging of skin and breast cancer surgical specimens using immersion microscopy with ultraviolet surface excitation. Scientific Reports, 2018, 8, 4476.	1.6	60
99	Quantifying Microvascular Changes Using OCT Angiography in Diabetic Eyes without Clinical Evidence of Retinopathy. Ophthalmology Retina, 2018, 2, 418-427.	1.2	60
100	Ultrahigh-resolution and 3-dimensional optical coherence tomography ex vivo imaging of the large and small intestines. Gastrointestinal Endoscopy, 2005, 62, 561-574.	0.5	56
101	Enhanced Vitreous Imaging in Healthy Eyes Using Swept Source Optical Coherence Tomography. PLoS ONE, 2014, 9, e102950.	1.1	56
102	Depth-encoded all-fiber swept source polarization sensitive OCT. Biomedical Optics Express, 2014, 5, 2931.	1.5	56
103	Rapid virtual hematoxylin and eosin histology of breast tissue specimens using a compact fluorescence nonlinear microscope. Laboratory Investigation, 2018, 98, 150-160.	1.7	54
104	Choroid, Haller's, and Sattler's Layer Thickness in Intermediate Age-Related Macular Degeneration With and Without Fellow Neovascular Eyes. , 2014, 55, 5074.		53
105	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.		52
106	Characterization of Choroidal Layers in Normal Aging Eyes Using Enface Swept-Source Optical Coherence Tomography. PLoS ONE, 2015, 10, e0133080.	1.1	51
107	Endoscopic Optical Coherence Angiography Enables 3-Dimensional Visualization of Subsurface Microvasculature. Gastroenterology, 2014, 147, 1219-1221.	0.6	50
108	High-resolution three-dimensional optical coherence tomography imaging of kidney microanatomy ex vivo. Journal of Biomedical Optics, 2007, 12, 034008.	1.4	49

#	ARTICLE	IF	CITATIONS
109	Correction of rotational distortion for catheter-based en face OCT and OCT angiography. <i>Optics Letters</i> , 2014, 39, 5973.	1.7	48
110	Real-Time Optical Coherence Tomography for Minimally Invasive Imaging of Prostate Ablation. <i>Computer Aided Surgery</i> , 2001, 6, 94-103.	1.8	43
111	Three-dimensional ultrahigh resolution optical coherence tomography imaging of age-related macular degeneration. <i>Optics Express</i> , 2009, 17, 4046.	1.7	43
112	The Definition, Rationale, and Effects of Thresholding in OCT Angiography. <i>Ophthalmology Retina</i> , 2017, 1, 435-447.	1.2	43
113	Integrated local binary pattern texture features for classification of breast tissue imaged by optical coherence microscopy. <i>Medical Image Analysis</i> , 2017, 38, 104-116.	7.0	41
114	Choriocapillaris Loss in Advanced Age-Related Macular Degeneration. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-6.	0.6	41
115	Silicon photonic integrated circuit swept-source optical coherence tomography receiver with dual polarization, dual balanced, in-phase and quadrature detection. <i>Biomedical Optics Express</i> , 2015, 6, 2562.	1.5	39
116	Macular and Peripapillary Optical Coherence Tomography Angiography Metrics Predict Progression in Diabetic Retinopathy: A Sub-analysis of TIME-2b Study Data. <i>American Journal of Ophthalmology</i> , 2020, 219, 66-76.	1.7	37
117	Optical coherence tomography angiography (OCTA) flow speed mapping technology for retinal diseases. <i>Expert Review of Medical Devices</i> , 2018, 15, 875-882.	1.4	36
118	Ultrahigh speed endoscopic optical coherence tomography for gastroenterology. <i>Biomedical Optics Express</i> , 2014, 5, 4387.	1.5	34
119	Direct comparison between confocal and multiphoton microscopy for rapid histopathological evaluation of unfixed human breast tissue. <i>Journal of Biomedical Optics</i> , 2016, 21, 126021.	1.4	34
120	Endoscopic optical coherence tomography angiography microvascular features associated with dysplasia in Barrett's Esophagus (with video). <i>Gastrointestinal Endoscopy</i> , 2017, 86, 476-484.e3.	0.5	33
121	Controlling for Artifacts in Widefield Optical Coherence Tomography Angiography Measurements of Non-Perfusion Area. <i>Scientific Reports</i> , 2019, 9, 9096.	1.6	32
122	SPATIAL DISTRIBUTION OF CHORIOCAPILLARIS IMPAIRMENT IN EYES WITH CHOROIDAL NEOVASCULARIZATION SECONDARY TO AGE-RELATED MACULAR DEGENERATION. <i>Retina</i> , 2020, 40, 428-445.	1.0	32
123	Piezoelectric-transducer-based miniature catheter for ultrahigh-speed endoscopic optical coherence tomography. <i>Biomedical Optics Express</i> , 2011, 2, 2438.	1.5	31
124	Multimodal optical imaging system for in vivo investigation of cerebral oxygen delivery and energy metabolism. <i>Biomedical Optics Express</i> , 2015, 6, 4994.	1.5	31
125	Three-Dimensional Enhanced Imaging of Vitreoretinal Interface in Diabetic Retinopathy Using Swept-Source Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2016, 162, 140-149.e1.	1.7	31
126	Rapid imaging of surgical breast excisions using direct temporal sampling two photon fluorescent lifetime imaging. <i>Biomedical Optics Express</i> , 2015, 6, 4317.	1.5	30

#	ARTICLE	IF	CITATIONS
127	Foreword: 25 Years of Optical Coherence Tomography. , 2016, 57, OCTi.		29
128	Polypoidal Choroidal Vasculopathy on Swept-Source Optical Coherence Tomography Angiography with Variable Interscan Time Analysis. Translational Vision Science and Technology, 2017, 6, 4.	1.1	29
129	High-Speed, Ultrahigh-Resolution Spectral-Domain OCT with Extended Imaging Range Using Reference Arm Length Matching. Translational Vision Science and Technology, 2020, 9, 12.	1.1	29
130	Volumetric Mapping of Barrett's Esophagus and Dysplasia With en face Optical Coherence Tomography Tethered Capsule. American Journal of Gastroenterology, 2016, 111, 1664-1666.	0.2	28
131	Cycloid scanning for wide field optical coherence tomography endomicroscopy and angiography in vivo. Optica, 2018, 5, 36.	4.8	28
132	Circumferential optical coherence tomography angiography imaging of the swine esophagus using a micromotor balloon catheter. Biomedical Optics Express, 2016, 7, 2927.	1.5	27
133	En Face Doppler Optical Coherence Tomography Measurement of Total Retinal Blood Flow in Diabetic Retinopathy and Diabetic Macular Edema. JAMA Ophthalmology, 2017, 135, 244.	1.4	25
134	Multiscale nonlinear microscopy and widefield white light imaging enables rapid histological imaging of surgical specimen margins. Biomedical Optics Express, 2018, 9, 2457.	1.5	25
135	Retinal Nonperfusion Relationship to Arteries or Veins Observed on Widefield Optical Coherence Tomography Angiography in Diabetic Retinopathy. , 2019, 60, 4310.		25
136	Intraocular microsurgery with a picosecond Nd:YAG laser. Lasers in Surgery and Medicine, 1994, 15, 44-53.	1.1	24
137	Reproducibility of In-Vivo OCT Measured Three-Dimensional Human Lamina Cribrosa Microarchitecture. PLoS ONE, 2014, 9, e95526.	1.1	24
138	The prediction of permeability for an epoxy/E-glass composite using optical coherence tomographic images. Polymer Composites, 2001, 22, 803-814.	2.3	22
139	Evaluating anesthetic protocols for functional blood flow imaging in the rat eye. Journal of Biomedical Optics, 2017, 22, 016005.	1.4	22
140	Comparing histologic evaluation of prostate tissue using nonlinear microscopy and paraffin H&E: a pilot study. Modern Pathology, 2019, 32, 1158-1167.	2.9	21
141	Tortuous Pore Path Through the Glaucomatous Lamina Cribrosa. Scientific Reports, 2018, 8, 7281.	1.6	20
142	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, 1-8.	0.7	19
143	Analyzing Relative Blood Flow Speeds in Choroidal Neovascularization Using Variable Interscan Time Analysis OCT Angiography. Ophthalmology Retina, 2018, 2, 306-319.	1.2	19
144	Global Analysis of Macular Choriocapillaris Perfusion in Dry Age-Related Macular Degeneration using Swept-Source Optical Coherence Tomography Angiography. , 2019, 60, 4985.		19

#	ARTICLE	IF	CITATIONS
145	Topographic analysis of macular choriocapillaris flow deficits in diabetic retinopathy using swept-source optical coherence tomography angiography. <i>International Journal of Retina and Vitreous</i> , 2020, 6, 6.	0.9	19
146	Analyzing Relative Flow Speeds in Diabetic Retinopathy Using Variable Interscan Time Analysis OCT Angiography. <i>Ophthalmology Retina</i> , 2021, 5, 49-59.	1.2	19
147	Femtosecond investigations of spectral hole burning in semiconductor lasers. <i>Applied Physics Letters</i> , 1995, 66, 1650-1652.	1.5	18
148	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.		18
149	A Framework for Multiscale Quantitation of Relationships Between Choriocapillaris Flow Impairment and Geographic Atrophy Growth. <i>American Journal of Ophthalmology</i> , 2020, 214, 172-187.	1.7	18
150	Multi-MHz MEMS-VCSEL swept-source optical coherence tomography for endoscopic structural and angiographic imaging with miniaturized brushless motor probes. <i>Biomedical Optics Express</i> , 2021, 12, 2384.	1.5	18
151	Geometric Perfusion Deficits: A Novel OCT Angiography Biomarker for Diabetic Retinopathy Based on Oxygen Diffusion. <i>American Journal of Ophthalmology</i> , 2021, 222, 256-270.	1.7	17
152	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2021, 128, 1109-1112.	2.5	16
153	Nonlinear microscopy for detection of prostate cancer: analysis of sensitivity and specificity in radical prostatectomies. <i>Modern Pathology</i> , 2020, 33, 916-923.	2.9	15
154	Cervical inlet patch-optical coherence tomography imaging and clinical significance. <i>World Journal of Gastroenterology</i> , 2012, 18, 2502.	1.4	15
155	Functional imaging of human retina using integrated multispectral and laser speckle contrast imaging. <i>Journal of Biophotonics</i> , 2022, 15, e202100285.	1.1	15
156	Clinical Predictors for Lack of Favorable Vascular Response to Statin Therapy in Patients With Coronary Artery Disease: A Serial Optical Coherence Tomography Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	14
157	Comparison of nonlinear microscopy and frozen section histology for imaging of Mohs surgical margins. <i>Biomedical Optics Express</i> , 2019, 10, 4249.	1.5	14
158	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. <i>International Journal of Retina and Vitreous</i> , 2020, 6, 39.	0.9	13
159	OCT-OCTA segmentation: combining structural and blood flow information to segment Bruchâ€™s membrane. <i>Biomedical Optics Express</i> , 2021, 12, 84.	1.5	13
160	Computer-Aided Image Analysis Algorithm to Enhance In Vivo Diagnosis of Plaque Erosion by Intravascular Optical Coherence Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 805-810.	1.3	12
161	Thick Prelaminar Tissue Decreases Lamina Cribrosa Visibility. , 2017, 58, 1751.		12
162	Temporal and volumetric denoising via quantile sparse image prior. <i>Medical Image Analysis</i> , 2018, 48, 131-146.	7.0	12

#	ARTICLE	IF	CITATIONS
163	Fully automated analysis of OCT imaging of human kidneys for prediction of post-transplant function. Biomedical Optics Express, 2019, 10, 1794.	1.5	12
164	Efficient and high accuracy 3-D OCT angiography motion correction in pathology. Biomedical Optics Express, 2021, 12, 125.	1.5	12
165	High speed, long range, deep penetration swept source OCT for structural and angiographic imaging of the anterior eye. Scientific Reports, 2022, 12, 992.	1.6	12
166	Three-dimensional endoscopic optical coherence tomography imaging of cervical inlet patch. Gastrointestinal Endoscopy, 2012, 75, 675-677.	0.5	11
167	Location of the Central Retinal Vessel Trunk in the Laminar and Prelaminar Tissue of Healthy and Glaucomatous Eyes. Scientific Reports, 2017, 7, 9930.	1.6	11
168	Assessment of the radiofrequency ablation dynamics of esophageal tissue with optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 1.	1.4	11
169	Assessment of Barrett's esophagus and dysplasia with ultrahigh-speed volumetric en face and cross-sectional optical coherence tomography. Endoscopy, 2019, 51, 355-359.	1.0	11
170	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. Biomedical Optics Express, 2021, 12, 4573.	1.5	11
171	Decreased Lamina Cribrosa Beam Thickness and Pore Diameter Relative to Distance From the Central Retinal Vessel Trunk. , 2016, 57, 3088.		10
172	Tethered capsule en face optical coherence tomography for imaging Barrett's oesophagus in unседated patients. BMJ Open Gastroenterology, 2020, 7, e000444.	1.1	10
173	Retinal Optical Coherence Tomography Imaging. , 2015, , 1685-1735.		10
174	Correction of circumferential and longitudinal motion distortion in high-speed catheter/endscope-based optical coherence tomography. Biomedical Optics Express, 2021, 12, 226.	1.5	10
175	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.	1.4	9
176	High-speed frequency swept light source for Fourier domain OCT at 20 kHz A-scan rate. , 2005, , .		8
177	Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. Cornea, 2020, 39, 598-604.	0.9	8
178	Vascularized drusen: a cross-sectional study. International Journal of Retina and Vitreous, 2019, 5, 36.	0.9	7
179	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.	1.4	6
180	Local Geographic Atrophy Growth Rates Not Influenced by Close Proximity to Non-Exudative Type 1 Macular Neovascularization. , 2022, 63, 20.		6

#	ARTICLE	IF	CITATIONS
181	Growth Modeling for Quantitative, Spatially Resolved Geographic Atrophy Lesion Kinetics. Translational Vision Science and Technology, 2021, 10, 26.	1.1	5
182	MULTISCALE CORRELATION OF MICROVASCULAR CHANGES ON OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY WITH RETINAL SENSITIVITY IN DIABETIC RETINOPATHY. Retina, 2022, 42, 357-368.	1.0	5
183	Developing a potential retinal OCT biomarker for local growth of geographic atrophy. Biomedical Optics Express, 2020, 11, 5181.	1.5	5
184	Real-time diagnosis and Gleason grading of prostate core needle biopsies using nonlinear microscopy. Modern Pathology, 2022, 35, 539-548.	2.9	5
185	Computer-Aided Analysis of Gland-Like Subsurface Hyposcattering Structures in Barrett's Esophagus Using Optical Coherence Tomography. Applied Sciences (Switzerland), 2018, 8, 2420.	1.3	4
186	Maximum a posteriori signal recovery for optical coherence tomography angiography image generation and denoising. Biomedical Optics Express, 2021, 12, 55.	1.5	4
187	Ultrahigh-resolution endoscopic optical coherence tomography for gastrointestinal imaging. , 2005, , .		3
188	Three-Dimensional Fibrous Cap Structure of Coronary Lipid Plaque in ST-Elevation Myocardial Infarction vs. Stable Angina. Circulation Journal, 2019, 83, 1214-1219.	0.7	3
189	A Joint Probabilistic Model for Speckle Variance, Amplitude Decorrelation and Interframe Variance (IFV) Optical Coherence Tomography Angiography. Informatik Aktuell, 2018, , 98-102.	0.4	3
190	Submicron-Period Waveguide Bragg Gratings Direct Written by an 800-nm Femtosecond Oscillator. , 2007, , .		2
191	Design of a portable wide field of view GPU-accelerated multiphoton imaging system for real-time imaging of breast surgical specimens. , 2016, , .		2
192	Comparing Accuracies of Length-Type Geographic Atrophy Growth Rate Metrics Using Atrophy-Front Growth Modeling. Ophthalmology Science, 2022, 2, 100156.	1.0	2
193	Femtosecond Carrier Dynamics in Semiconductors and Metals. Materials Research Society Symposia Proceedings, 1988, 100, 461.	0.1	1
194	W1054 Radiofrequency Ablation with BARRx Halo90 Effectively Treated Chronic Radiation Proctitis As Confirmed with Endoscopic Three-Dimensional Optical Coherence Tomography. Gastroenterology, 2009, 136, A-644.	0.6	1
195	FULL-THICKNESS MACULAR HOLE SIZE BY HYPERTRANSMISSION SIGNAL ON SPECTRAL-DOMAIN OPTICAL COHERENCE TOMOGRAPHY. Retina, 2021, 41, 2059-2065.	1.0	1
196	Correction propagation for user-assisted optical coherence tomography segmentation: general framework and application to Bruch's membrane segmentation. Biomedical Optics Express, 2020, 11, 2830.	1.5	1
197	Rapid histological imaging of bone without microtome sectioning using nonlinear microscopy. Bone, 2021, 154, 116254.	1.4	1
198	Ultrahigh-resolution endoscopic optical coherence tomography. , 2005, 5630, 265.		0

#	ARTICLE	IF	CITATIONS
199	CLEO tutorial Optical coherence tomography: Technology and applications. , 2006, , .		0
200	Femtosecond laser fabrication of directional couplers and Mach-Zehnder interferometers. , 2007, , .		0
201	Fourier Domain Mode Locking (FDML) in the non-zero dispersion regime: A laser for ultrahigh-speed retinal OCT imaging at 236kHz line rate. , 2007, , .		0
202	Real-Time Imaging of Biological Tissues using High Resolution Line-Scanning Optical Coherence Microscopy. , 2007, , .		0
203	Microbend Gratings Fabricated in Glass Substrates via Direct Writing with Near-Infrared Femtosecond Pulses. , 2007, , .		0
204	Microbend gratings fabricated in glass substrates via direct writing with near-infrared femtosecond pulses. , 2007, , .		0
205	High Speed, Ultrahigh Resolution Optical Coherence Tomography. , 2007, , .		0
206	Optical Coherence Tomography Phase Microscopy Using Buffered Fourier Domain Mode Locked (FDML) Lasers at up to 370,000 Lines per Second. , 2007, , .		0
207	High-power, diode-pumped modelocked Cr ³⁺ :LiCAF laser. , 2008, , .		0
208	Recent advances in Cr: Colquiriite laser technology. , 2009, , .		0
209	Integrated optical coherence tomography and optical coherence microscopy imaging of human pathology. , 2010, , .		0
210	Multicolor lasers employing birefringent filters with an arbitrarily oriented optical axis. , 2017, , .		0
211	Abstract 12934: Stent Design Affects the Side Branch Orifice Area Following Coronary Bifurcation Stenting: Comparison Between Resolute Integrity versus Xience V Stent Using a Newly Developed OCT algorithm. Circulation, 2014, 130, .	1.6	0
212	Ultra-High Resolution Optical Coherence Tomography Imaging of Unilateral Drusen in a 31 Year Old Woman. Clinical Medical Reviews and Case Reports, 2015, 2, .	0.1	0
213	Future of Optical Coherence Tomography: Ultrahigh-Resolution Versus Standard-Resolution OCT. , 2009, , 431-437.		0
214	Author Response: Local Geographic Atrophy Growth Rates Not Influenced by Close Proximity to Non-Exudative Type 1 Macular Neovascularization. , 2022, 63, 11.		0