

David Huang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8422555/david-huang-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184
papers

11,887
citations

52
h-index

106
g-index

192
ext. papers

13,951
ext. citations

4
avg, IF

6.37
L-index

#	Paper	IF	Citations
184	High speed, long range, deep penetration swept source OCT for structural and angiographic imaging of the anterior eye.. <i>Scientific Reports</i> , 2022 , 12, 992	4.9	0
183	Peripheral OCT Assisted by Scleral Depression in Retinopathy of Prematurity.. <i>Ophthalmology Science</i> , 2022 , 2,		1
182	Differentiating Between Contact Lens Warpage and Keratoconus Using OCT Maps of Corneal Mean Curvature and Epithelial Thickness.. <i>Journal of Refractive Surgery</i> , 2022 , 38, 112-119	3.3	
181	A deep learning network for classifying arteries and veins in montaged wide-field OCT angiograms. <i>Ophthalmology Science</i> , 2022 , 100149		0
180	Artifacts and artifact removal in optical coherence tomographic angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 1120-1133	3.6	8
179	Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , 2021 , 85, 100965	20.5	13
178	Comparison of Central Macular Fluid Volume With Central Subfield Thickness in Patients With Diabetic Macular Edema Using Optical Coherence Tomography Angiography. <i>JAMA Ophthalmology</i> , 2021 , 139, 734-741	3.9	3
177	Relationship Between Macular Vessel Density and Total Retinal Blood Flow in Primary Open-angle Glaucoma. <i>Journal of Glaucoma</i> , 2021 , 30, 666-671	2.1	1
176	High-speed and widefield handheld swept-source OCT angiography with a VCSEL light source. <i>Biomedical Optics Express</i> , 2021 , 12, 3553-3570	3.5	14
175	Focal Loss Analysis of Nerve Fiber Layer Reflectance for Glaucoma Diagnosis. <i>Translational Vision Science and Technology</i> , 2021 , 10, 9	3.3	0
174	Cognitive decline in older adults: What can we learn from optical coherence tomography (OCT)-based retinal vascular imaging?. <i>Journal of the American Geriatrics Society</i> , 2021 , 69, 2524-2535	5.6	2
173	Effect of algorithms and covariates in glaucoma diagnosis with optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
172	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , 2021 , 1, 100027		4
171	Keratoconus detection using OCT corneal and epithelial thickness map parameters and patterns. <i>Journal of Cataract and Refractive Surgery</i> , 2021 , 47, 759-766	2.3	4
170	Plexus-specific retinal vascular anatomy and pathologies as seen by projection-resolved optical coherence tomographic angiography. <i>Progress in Retinal and Eye Research</i> , 2021 , 80, 100878	20.5	32
169	Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. <i>Scientific Reports</i> , 2021 , 11, 17251	4.9	0
168	Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. 2021 , 62, 28		1

167	Sensorless adaptive-optics optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2020 , 11, 3952-3967	3.5	10
166	Depth-resolved optimization of a real-time sensorless adaptive optics optical coherence tomography. <i>Optics Letters</i> , 2020 , 45, 2612-2615	3	13
165	A Coincident Thinning Index for Keratoconus Identification Using OCT Pachymetry and Epithelial Thickness Maps. <i>Journal of Refractive Surgery</i> , 2020 , 36, 757-765	3.3	2
164	Eye motion correction algorithm for OCT-based corneal topography. <i>Biomedical Optics Express</i> , 2020 , 11, 7343-7356	3.5	3
163	Optical Coherence Tomography Angiography Avascular Area Association With 1-Year Treatment Requirement and Disease Progression in Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , 2020 , 217, 268-277	4.9	6
162	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , 2020 , 127, 484-491	7.3	8
161	Sectorwise Visual Field Simulation Using Optical Coherence Tomographic Angiography Nerve Fiber Layer Plexus Measurements in Glaucoma. <i>American Journal of Ophthalmology</i> , 2020 , 212, 57-68	4.9	3
160	Longitudinal Detection of Radiation-Induced Peripapillary and Macular Retinal Capillary Ischemia Using OCT Angiography. <i>Ophthalmology Retina</i> , 2020 , 4, 320-326	3.8	7
159	Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. <i>Cornea</i> , 2020 , 39, 598-604	3.1	2
158	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2020 , 40, 891-897	3.6	32
157	Detection of Reduced Retinal Vessel Density in Eyes with Geographic Atrophy Secondary to Age-Related Macular Degeneration Using Projection-Resolved Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2020 , 209, 206-212	4.9	13
156	Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>American Journal of Ophthalmology</i> , 2019 , 207, 99-109	4.9	25
155	Signal Strength Reduction Effects in OCT Angiography. <i>Ophthalmology Retina</i> , 2019 , 3, 835-842	3.8	41
154	Projection-Resolved Optical Coherence Tomographic Angiography of Retinal Plexuses in Retinitis Pigmentosa. <i>American Journal of Ophthalmology</i> , 2019 , 204, 70-79	4.9	22
153	Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. <i>Ophthalmology Retina</i> , 2019 , 3, 629-636	3.8	22
152	Predictive Factors for the Rate of Visual Field Progression in the Advanced Imaging for Glaucoma Study. <i>American Journal of Ophthalmology</i> , 2019 , 202, 62-71	4.9	16
151	Correlation of Outer Retinal Degeneration and Choriocapillaris Loss in Stargardt Disease Using En Face Optical Coherence Tomography and Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2019 , 202, 79-90	4.9	26
150	Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. <i>Neurophotonics</i> , 2019 , 6, 041104	3.9	10

149	Detecting and measuring areas of choriocapillaris low perfusion in intermediate, non-neovascular age-related macular degeneration. <i>Neurophotonics</i> , 2019 , 6, 041108	3.9	12
148	Invariant features-based automated registration and montage for wide-field OCT angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 120-136	3.5	10
147	Automated detection of shadow artifacts in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 1514-1531	3.5	18
146	Development and validation of a deep learning algorithm for distinguishing the nonperfusion area from signal reduction artifacts on OCT angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 3257-3268	3.5	31
145	Three-dimensional structural and angiographic evaluation of foveal ischemia in diabetic retinopathy: method and validation. <i>Biomedical Optics Express</i> , 2019 , 10, 3522-3532	3.5	15
144	Automated segmentation of peripapillary retinal boundaries in OCT combining a convolutional neural network and a multi-weights graph search. <i>Biomedical Optics Express</i> , 2019 , 10, 4340-4352	3.5	15
143	Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. <i>Optics Letters</i> , 2019 , 44, 1431-1434	3	16
142	Estimating Visual Field Mean Deviation using Optical Coherence Tomographic Nerve Fiber Layer Measurements in Glaucoma Patients. <i>Scientific Reports</i> , 2019 , 9, 18528	4.9	8
141	Unilateral Double Optic Nerve Head Pits. <i>Ophthalmology</i> , 2018 , 125, 458	7.3	2
140	Optical coherence tomography angiography of a pigmented FuchsSadenoma (age-related hyperplasia of the nonpigmented ciliary body epithelium) masquerading as a ciliary body melanoma. <i>American Journal of Ophthalmology Case Reports</i> , 2018 , 9, 72-74	1.3	4
139	Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Anti-Vascular Endothelial Growth Factor Therapy with OCT Angiography. <i>Ophthalmology Retina</i> , 2018 , 2, 931-941	3.8	18
138	Estimating Medicare and Patient Savings From the Use of Bevacizumab for the Treatment of Exudative Age-related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2018 , 191, 135-139	4.9	21
137	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , 2018 , 2, 816-826	3.8	20
136	Reduced Retinal Vessel Density in Primary Angle Closure Glaucoma: A Quantitative Study Using Optical Coherence Tomography Angiography. <i>Journal of Glaucoma</i> , 2018 , 27, 322-327	2.1	22
135	Automated detection of preserved photoreceptor on optical coherence tomography in choroideremia based on machine learning. <i>Journal of Biophotonics</i> , 2018 , 11, e201700313	3.1	11
134	Ophthalmic imaging in children: current practice patterns and perceived barriers. <i>Journal of AAPOS</i> , 2018 , 22, 223-225.e3	1.3	3
133	Optical coherence tomography angiography enhances the detection of optic nerve damage in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2018 , 102, 520-524	5.5	69
132	Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. <i>Ophthalmology Retina</i> , 2018 , 2, 244-250	3.8	19

131	OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. <i>Ophthalmology Retina</i> , 2018 , 2, 329-336	3.8	34
130	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , 2018 , 9, 2056-2067	3.5	22
129	Nerve Fiber Flux Analysis Using Wide-Field Swept-Source Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2018 , 7, 16	3.3	7
128	Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography 2018 , 59, 2212-2221		67
127	Automated Quantification of Nonperfusion Areas in 3 Vascular Plexuses With Optical Coherence Tomography Angiography in Eyes of Patients With Diabetes. <i>JAMA Ophthalmology</i> , 2018 , 136, 929-936	3.9	59
126	MEDnet, a neural network for automated detection of avascular area in OCT angiography. <i>Biomedical Optics Express</i> , 2018 , 9, 5147-5158	3.5	43
125	Maximum value projection produces better OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , 2018 , 9, 6412-6424	3.5	18
124	Fast and robust standard-deviation-based method for bulk motion compensation in phase-based functional OCT. <i>Optics Letters</i> , 2018 , 43, 2204-2207	3	11
123	Optical Coherence Tomography Angiography and Ultra-Widefield Optical Coherence Tomography in a Child With Incontinentia Pigmenti. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018 , 49, 273-275	1.4	3
122	Estimating Public and Patient Savings From Basic Research-A Study of Optical Coherence Tomography in Managing Antiangiogenic Therapy. <i>American Journal of Ophthalmology</i> , 2018 , 185, 115-122	4.9	26
121	Light scattering measurements in electron-beam sterilized corneas stored in recombinant human serum albumin. <i>Cell and Tissue Banking</i> , 2018 , 19, 19-25	2.2	7
120	Quantitative evaluation of retinal artery occlusion using optical coherence tomography angiography: A case report. <i>Medicine (United States)</i> , 2018 , 97, e12652	1.8	2
119	Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , 2018 , 9, 5851-5862	3.5	18
118	Enhanced Quantification of Retinal Perfusion by Improved Discrimination of Blood Flow From Bulk Motion Signal in OCTA. <i>Translational Vision Science and Technology</i> , 2018 , 7, 20	3.3	16
117	Automated segmentation of retinal layer boundaries and capillary plexuses in wide-field optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2018 , 9, 4429-4442	3.5	33
116	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography 2018 , 59, 4285-4291		20
115	Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017 , 22, 26001	3.5	13
114	Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. <i>British Journal of Ophthalmology</i> , 2017 , 101, 45-50	5.5	18

113	Extended axial imaging range, widefield swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2017 , 10, 1464-1472	3.1	18
112	Guiding flying-spot laser transepithelial phototherapeutic keratectomy with optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 525-536	2.3	9
111	Interchangeability and reliability of macular perfusion parameter measurements using optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2017 , 101, 1542-1549	5.5	23
110	Distinguishing between contact lens warpage and ectasia: Usefulness of optical coherence tomography epithelial thickness mapping. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 60-66	2.3	32
109	Comparison of Glaucoma Progression Detection by Optical Coherence Tomography and Visual Field. <i>American Journal of Ophthalmology</i> , 2017 , 184, 63-74	4.9	68
108	Projection-resolved optical coherence tomography angiography exhibiting early flow prior to clinically observed retinal angiomatous proliferation. <i>American Journal of Ophthalmology Case Reports</i> , 2017 , 8, 53-57	1.3	17
107	Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness 2017 , 58, 5188-5194		45
106	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , 2017 , 1, 294-303	3.8	55
105	Handheld Optical Coherence Tomography Angiography and Ultra-Wide-Field Optical Coherence Tomography in Retinopathy of Prematurity. <i>JAMA Ophthalmology</i> , 2017 , 135, 977-981	3.9	62
104	Optical Coherence Tomography Angiography of the Peripapillary Retina in Primary Angle-Closure Glaucoma. <i>American Journal of Ophthalmology</i> , 2017 , 182, 194-200	4.9	49
103	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. <i>Ophthalmology</i> , 2017 , 124, 1589-1599	7.3	150
102	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. <i>Ophthalmology</i> , 2017 , 124, 197-204	7.3	51
101	Optische Kohärenztomographie-Angiographie mit dem Optovue-System. <i>Karger Kompass Ophthalmologie</i> , 2017 , 3, 58-63	0	
100	Automated boundary detection of the optic disc and layer segmentation of the peripapillary retina in volumetric structural and angiographic optical coherence tomography. <i>Biomedical Optics Express</i> , 2017 , 8, 1306-1318	3.5	12
99	Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 48-56	3.5	17
98	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 776-789	3.5	11
97	Automated detection of dilated capillaries on optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 1101-1109	3.5	12
96	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , 2017 , 8, 1536-1548	3.5	57

95	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 3053-3066	3.5	31
94	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. <i>Biomedical Optics Express</i> , 2017 , 8, 4595-4608	3.5	18
93	Automated drusen detection in dry age-related macular degeneration by multiple-depth, optical coherence tomography. <i>Biomedical Optics Express</i> , 2017 , 8, 5049-5064	3.5	15
92	Handheld optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 2287-2300	3.5	29
91	Automated detection of photoreceptor disruption in mild diabetic retinopathy on volumetric optical coherence tomography. <i>Biomedical Optics Express</i> , 2017 , 8, 5384-5398	3.5	13
90	Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. <i>Taiwan Journal of Ophthalmology</i> , 2017 , 7, 115-129	1.4	69
89	Calibration of optical coherence tomography angiography with a microfluidic chip. <i>Journal of Biomedical Optics</i> , 2016 , 21, 86015	3.5	20
88	Optical Coherence Tomography Angiography Using the Optovue Device. <i>Developments in Ophthalmology</i> , 2016 , 56, 6-12		90
87	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 76010	3.5	18
86	Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016 , 134, 1411-1419	3.9	130
85	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. <i>Retina</i> , 2016 , 36, 2339-2347	3.6	30
84	Optical Coherence Tomography Angiography in Choroideremia: Correlating Choriocapillaris Loss With Overlying Degeneration. <i>JAMA Ophthalmology</i> , 2016 , 134, 697-702	3.9	52
83	Optical coherence tomography angiography in pediatric choroidal neovascularization. <i>American Journal of Ophthalmology Case Reports</i> , 2016 , 2, 37-40	1.3	17
82	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016 , 134, 367-73	3.9	252
81	Predicting Development of Glaucomatous Visual Field Conversion Using Baseline Fourier-Domain Optical Coherence Tomography. <i>American Journal of Ophthalmology</i> , 2016 , 163, 29-37	4.9	45
80	Regression Analysis of Optical Coherence Tomography Disc Variables for Glaucoma Diagnosis. <i>Journal of Glaucoma</i> , 2016 , 25, 634-42	2.1	2
79	Longitudinal and Cross-Sectional Analyses of Age Effects on Retinal Nerve Fiber Layer and Ganglion Cell Complex Thickness by Fourier-Domain OCT. <i>Translational Vision Science and Technology</i> , 2016 , 5, 1	3.3	48
78	Optical coherence tomography angiography of non-exudative choroidal neovascularization. <i>Yan Ke Xue Bao = Eye Science</i> , 2016 , 31, 243-245		

77	Foreword: 25 Years of Optical Coherence Tomography 2016 , 57, OCTi-OCTii		20
76	Glaucoma Increases Retinal Surface Contour Variability as Measured by Optical Coherence Tomography 2016 , 57, OCT438-43		6
75	Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography 2016 , 57, OCT141-5		10
74	Differentiating Keratoconus and Corneal Warpage by Analyzing Focal Change Patterns in Corneal Topography, Pachymetry, and Epithelial Thickness Maps 2016 , 57, OCT544-9		22
73	Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography 2016 , 57, OCT526-32		60
72	Automated registration and enhanced processing of clinical optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 391-401	3.6	28
71	Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. <i>Biomedical Optics Express</i> , 2016 , 7, 2823-36	3.5	55
70	Evaluation of artifact reduction in optical coherence tomography angiography with real-time tracking and motion correction technology. <i>Biomedical Optics Express</i> , 2016 , 7, 3905-3915	3.5	86
69	Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy 2016 , 57, 5101-5106		87
68	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography 2016 , 57, 4485-92		60
67	Optical Coherence Tomography Angiography 2016 , 57, OCT27-36		219
66	Optical Coherence Tomography Angiography Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes 2016 , 57, OCT451-9		288
65	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study 2016 , 57, OCT204-10		54
64	Split-spectrum phase-gradient optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 2943-54	3.5	25
63	Deep Laser-Assisted Lamellar Anterior Keratoplasty With Microkeratome-Cut Grafts. <i>Cornea</i> , 2016 , 35, 706-12	3.1	2
62	Subclinical keratoconus detection by pattern analysis of corneal and epithelial thickness maps with optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 284-95	2.3	78
61	Development of a nomogram for femtosecond laser astigmatic keratotomy for astigmatism after keratoplasty. <i>Journal of Cataract and Refractive Surgery</i> , 2016 , 42, 556-62	2.3	17
60	Re: Spaide et al.: Volume-rendering optical coherence tomography angiography of macular telangiectasia type 2 (<i>Ophthalmology</i> 2015;122:2261-9). <i>Ophthalmology</i> , 2016 , 123, e24	7.3	5

59	Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 8163-8	3.8	234
58	Baseline Fourier-Domain Optical Coherence Tomography Structural Risk Factors for Visual Field Progression in the Advanced Imaging for Glaucoma Study. <i>American Journal of Ophthalmology</i> , 2016 , 172, 94-103	4.9	36
57	Characterization of Chorioretinopathy Associated with Mitochondrial Trifunctional Protein Disorders: Long-Term Follow-up of 21 Cases. <i>Ophthalmology</i> , 2016 , 123, 2183-95	7.3	13
56	Optical coherence tomographic angiography of choroidal neovascularization associated with central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , 2015 , 133, 1212-4	3.9	24
55	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>JAMA Ophthalmology</i> , 2015 , 133, 1045-52	3.9	418
54	Interface quality of different corneal lamellar-cut depths for femtosecond laser-assisted lamellar anterior keratoplasty. <i>Journal of Cataract and Refractive Surgery</i> , 2015 , 41, 827-35	2.3	11
53	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	11.5	474
52	Combining measurements from three anatomical areas for glaucoma diagnosis using Fourier-domain optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2015 , 99, 1224-9	5.5	27
51	Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. <i>Optics Letters</i> , 2015 , 40, 2305-8	3	91
50	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 3564-76	3.5	83
49	Advanced imaging for glaucoma study: design, baseline characteristics, and inter-site comparison. <i>American Journal of Ophthalmology</i> , 2015 , 159, 393-403.e2	4.9	19
48	DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2015 , 35, 2204-11	3.6	115
47	Laboratory Evaluation of Femtosecond Laser Lamellar Cuts in Gamma-Irradiated Corneas. <i>Cornea</i> , 2015 , 34, 1499-503	3.1	8
46	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF TIME COURSE OF CHOROIDAL NEOVASCULARIZATION IN RESPONSE TO ANTI-ANGIOGENIC TREATMENT. <i>Retina</i> , 2015 , 35, 2260-4	3.6	96
45	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , 2015 , 35, 2371-6	3.6	253
44	Macular perfusion in healthy Chinese: an optical coherence tomography angiogram study 2015 , 56, 3212-7		191
43	Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia 2015 , 56, 3287-91		94
42	Effect of Signal Intensity on Measurement of Ganglion Cell Complex and Retinal Nerve Fiber Layer Scans in Fourier-Domain Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2015 , 4, 7	3.3	40

41	Detecting Blood Flow Response to Stimulation of the Human Eye. <i>BioMed Research International</i> , 2015 , 2015, 121973	3	15
40	Corneal Epithelial Remodeling after LASIK Measured by Fourier-Domain Optical Coherence Tomography. <i>Journal of Ophthalmology</i> , 2015 , 2015, 860313	2	11
39	Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , 2015 , 6, 4661-75	3.5	100
38	Measurement of retinal blood flow in normal Chinese-American subjects by Doppler Fourier-domain optical coherence tomography. <i>Investigative Ophthalmology and Visual Science</i> , 2015 , 56, 1569-74		18
37	Retinal blood flow in glaucomatous eyes with single-hemifield damage. <i>Ophthalmology</i> , 2014 , 121, 750-8	7.3	61
36	Optical coherence tomography angiography of optic disc perfusion in glaucoma. <i>Ophthalmology</i> , 2014 , 121, 1322-32	7.3	498
35	Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. <i>Ophthalmology</i> , 2014 , 121, 1435-44	7.3	550
34	Predicting transepithelial phototherapeutic keratectomy outcomes using Fourier domain optical coherence tomography. <i>Cornea</i> , 2014 , 33, 280-7	3.1	12
33	Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Biomedical Optics Express</i> , 2013 , 4, 1909-24	3.5	160
32	Regional correlation among ganglion cell complex, nerve fiber layer, and visual field loss in glaucoma 2013 , 54, 4287-95		44
31	Anterior chamber angle measurements using Schwalbe's line with high-resolution fourier-domain optical coherence tomography. <i>Journal of Glaucoma</i> , 2013 , 22, 684-8	2.1	29
30	Imaging the Anterior Segment: High-Frequency Ultrasound and Anterior Segment OCT. <i>Journal of Ophthalmology</i> , 2013 , 2013, 398715	2	2
29	Use of fourier-domain optical coherence tomography to evaluate anterior stromal opacities in donor corneas. <i>Journal of Ophthalmology</i> , 2013 , 2013, 397680	2	13
28	Optical coherence tomography-based corneal power measurement and intraocular lens power calculation following laser vision correction (an American Ophthalmological Society thesis). <i>Transactions of the American Ophthalmological Society</i> , 2013 , 111, 34-45		22
27	Corneal epithelial thickness mapping by Fourier-domain optical coherence tomography in normal and keratoconic eyes. <i>Ophthalmology</i> , 2012 , 119, 2425-33	7.3	231
26	Pilot Study for OCT Guided Design and Fit of a Prosthetic Device for Treatment of Corneal Disease. <i>Journal of Ophthalmology</i> , 2012 , 2012, 812034	2	10
25	Anterior chamber angle evaluation with fourier-domain optical coherence tomography. <i>Journal of Ophthalmology</i> , 2012 , 2012, 103704	2	17
24	Does optic nerve head size variation affect circumpapillary retinal nerve fiber layer thickness measurement by optical coherence tomography? 2012 , 53, 4990-7		47

23	Quantitative OCT angiography of optic nerve head blood flow. <i>Biomedical Optics Express</i> , 2012 , 3, 3127-3175	3.5	334
22	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Optics Express</i> , 2012 , 20, 4710-25	3.3	1250
21	Dual laser-assisted lamellar anterior keratoplasty with top hat graft: a laboratory study. <i>Cornea</i> , 2012 , 31, 791-7	3.1	7
20	Measurements of microkeratome cuts in donor corneas with ultrasound and optical coherence tomography. <i>Cornea</i> , 2012 , 31, 145-9	3.1	11
19	Total retinal blood flow measurement with ultrahigh speed swept source/Fourier domain OCT. <i>Biomedical Optics Express</i> , 2011 , 2, 1539-52	3.5	141
18	Repeatability of laser in situ keratomileusis flap thickness measurement by Fourier-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2011 , 37, 649-54	2.3	25
17	Pilot study of optical coherence tomography measurement of retinal blood flow in retinal and optic nerve diseases 2011 , 52, 840-5		126
16	Ultrahigh speed 1050nm swept source/Fourier domain OCT retinal and anterior segment imaging at 100,000 to 400,000 axial scans per second. <i>Optics Express</i> , 2010 , 18, 20029-48	3.3	353
15	Pachymetric mapping with Fourier-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 826-31	2.3	60
14	Corneal power measurement with Fourier-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 2115-22	2.3	64
13	Detection of macular ganglion cell loss in glaucoma by Fourier-domain optical coherence tomography. <i>Ophthalmology</i> , 2009 , 116, 2305-14.e1-2	7.3	502
12	Mapping of macular substructures with optical coherence tomography for glaucoma diagnosis. <i>Ophthalmology</i> , 2008 , 115, 949-56	7.3	284
11	Combining nerve fiber layer parameters to optimize glaucoma diagnosis with optical coherence tomography. <i>Ophthalmology</i> , 2008 , 115, 1352-7, 1357.e1-2	7.3	67
10	Retinal blood flow measurement by circumpapillary Fourier domain Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2008 , 13, 064003	3.5	129
9	Screening for previous refractive surgery in eye bank corneas by using optical coherence tomography. <i>Cornea</i> , 2007 , 26, 594-9	3.1	21
8	High-speed optical coherence tomography of corneal opacities. <i>Ophthalmology</i> , 2007 , 114, 1278-85	7.3	69
7	Measurement of absolute flow velocity vector using dual-angle, delay-encoded Doppler optical coherence tomography. <i>Optics Letters</i> , 2007 , 32, 506-8	3	48
6	Mean curvature mapping for detection of corneal shape abnormality. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 424-8	11.7	12

- 5 Characteristics of keratoconus and pellucid marginal degeneration in mean curvature maps. *American Journal of Ophthalmology*, **2005**, 140, 993-1001 4.9 28
- 4 Optical coherence tomography imaging of the anterior chamber angle. *Ophthalmology Clinics of North America*, **2005**, 18, 375-81, vi 63
- 3 Comparison of optical coherence tomography and ultrasound biomicroscopy for detection of narrow anterior chamber angles. *JAMA Ophthalmology*, **2005**, 123, 1053-9 304
- 2 Optical coherence tomography of the anterior segment of the eye. *Ophthalmology Clinics of North America*, **2004**, 17, 1-6 45
- 1 Mathematical model of corneal surface smoothing after laser refractive surgery. *American Journal of Ophthalmology*, **2003**, 135, 267-78 4.9 106