

David Huang

List of Publications by Citations

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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
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52
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106
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192
ext. papers

13,951
ext. citations

4
avg, IF

6.37
L-index

#	Paper	IF	Citations
184	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Optics Express</i> , 2012 , 20, 4710-25	3.3	1250
183	Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. <i>Ophthalmology</i> , 2014 , 121, 1435-44	7.3	550
182	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
181	Optical coherence tomography angiography of optic disc perfusion in glaucoma. <i>Ophthalmology</i> , 2014 , 121, 1322-32	7.3	498
180	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
179	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>JAMA Ophthalmology</i> , 2015 , 133, 1045-52	3.9	418
178	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
177	Quantitative OCT angiography of optic nerve head blood flow. <i>Biomedical Optics Express</i> , 2012 , 3, 3127-375		334
176	Comparison of optical coherence tomography and ultrasound biomicroscopy for detection of narrow anterior chamber angles. <i>JAMA Ophthalmology</i> , 2005 , 123, 1053-9		304
175	Optical Coherence Tomography Angiography Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes 2016 , 57, OCT451-9		288
174	Mapping of macular substructures with optical coherence tomography for glaucoma diagnosis. <i>Ophthalmology</i> , 2008 , 115, 949-56	7.3	284
173	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , 2015 , 35, 2371-6	3.6	253
172	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016 , 134, 367-73	3.9	252
171	Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 8163-28		234
170	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
169	Optical Coherence Tomography Angiography 2016 , 57, OCT27-36		219
168	Macular perfusion in healthy Chinese: an optical coherence tomography angiogram study 2015 , 56, 3212-7		191

167	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
166	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. <i>Ophthalmology</i> , 2017 , 124, 1589-1599	7.3	150
165	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
164	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
163	Retinal blood flow measurement by circumpapillary Fourier domain Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2008 , 13, 064003	3.5	129
162	Pilot study of optical coherence tomography measurement of retinal blood flow in retinal and optic nerve diseases 2011 , 52, 840-5		126
161	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
160	Mathematical model of corneal surface smoothing after laser refractive surgery. <i>American Journal of Ophthalmology</i> , 2003 , 135, 267-78	4.9	106
159	Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , 2015 , 6, 4661-75	3.5	100
158	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
157	Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia 2015 , 56, 3287-91		94
156	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
155	Optical Coherence Tomography Angiography Using the Optovue Device. <i>Developments in Ophthalmology</i> , 2016 , 56, 6-12		90
154	Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy 2016 , 57, 5101-5106		87
153	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
152	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 3564-76	3.5	83
151	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
150	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

149	High-speed optical coherence tomography of corneal opacities. <i>Ophthalmology</i> , 2007 , 114, 1278-85	7.3	69
148	Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. <i>Taiwan Journal of Ophthalmology</i> , 2017 , 7, 115-129	1.4	69
147	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
146	Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography 2018 , 59, 2212-2221		67
145	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
144	Corneal power measurement with Fourier-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 2115-22	2.3	64
143	Optical coherence tomography imaging of the anterior chamber angle. <i>Ophthalmology Clinics of North America</i> , 2005 , 18, 375-81, vi		63
142	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
141	Retinal blood flow in glaucomatous eyes with single-hemifield damage. <i>Ophthalmology</i> , 2014 , 121, 750-8	7.3	61
140	Pachymetric mapping with Fourier-domain optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2010 , 36, 826-31	2.3	60
139	Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography 2016 , 57, OCT526-32		60
138	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography 2016 , 57, 4485-92		60
137	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
136	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , 2017 , 8, 1536-1548	3.5	57
135	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , 2017 , 1, 294-303	3.8	55
134	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
133	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study 2016 , 57, OCT204-10		54
132	Optical Coherence Tomography Angiography in Choroideremia: Correlating Choriocapillaris Loss With Overlying Degeneration. <i>JAMA Ophthalmology</i> , 2016 , 134, 697-702	3.9	52

131	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. <i>Ophthalmology</i> , 2017 , 124, 197-204	7.3	51
130	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
129	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
128	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
127	Does optic nerve head size variation affect circumpapillary retinal nerve fiber layer thickness measurement by optical coherence tomography? 2012 , 53, 4990-7		47
126	Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness 2017 , 58, 5188-5194		45
125	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
124	Optical coherence tomography of the anterior segment of the eye. <i>Ophthalmology Clinics of North America</i> , 2004 , 17, 1-6		45
123	Regional correlation among ganglion cell complex, nerve fiber layer, and visual field loss in glaucoma 2013 , 54, 4287-95		44
122	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
121	Signal Strength Reduction Effects in OCT Angiography. <i>Ophthalmology Retina</i> , 2019 , 3, 835-842	3.8	41
120	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
119	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
118	OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. <i>Ophthalmology Retina</i> , 2018 , 2, 329-336	3.8	34
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	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
115	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2020 , 40, 891-897	3.6	32
114	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

113	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 3053-3066	3.5	31
112	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
111	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. <i>Retina</i> , 2016 , 36, 2339-2347	3.6	30
110	Handheld optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 2287-2300	3.5	29
109	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
108	Characteristics of keratoconus and pellucid marginal degeneration in mean curvature maps. <i>American Journal of Ophthalmology</i> , 2005 , 140, 993-1001	4.9	28
107	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
106	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
105	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
104	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
103	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
102	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
101	Split-spectrum phase-gradient optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 2943-54	3.5	25
100	Optical coherence tomographic angiography of choroidal neovascularization associated with central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , 2015 , 133, 1212-4	3.9	24
99	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
98	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
97	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
96	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

95	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , 2018 , 9, 2056-2067	3.5	22
94	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
93	Differentiating Keratoconus and Corneal Warpage by Analyzing Focal Change Patterns in Corneal Topography, Pachymetry, and Epithelial Thickness Maps 2016 , 57, OCT544-9		22
92	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
91	Screening for previous refractive surgery in eye bank corneas by using optical coherence tomography. <i>Cornea</i> , 2007 , 26, 594-9	3.1	21
90	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , 2018 , 2, 816-826	3.8	20
89	Calibration of optical coherence tomography angiography with a microfluidic chip. <i>Journal of Biomedical Optics</i> , 2016 , 21, 86015	3.5	20
88	Foreword: 25 Years of Optical Coherence Tomography 2016 , 57, OCTi-OCTii		20
87	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography 2018 , 59, 4285-4291		20
86	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
85	Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. <i>Ophthalmology Retina</i> , 2018 , 2, 244-250	3.8	19
84	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
83	Extended axial imaging range, widefield swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2017 , 10, 1464-1472	3.1	18
82	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
81	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 76010	3.5	18
80	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
79	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
78	Automated detection of shadow artifacts in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 1514-1531	3.5	18

77	Maximum value projection produces better OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , 2018 , 9, 6412-6424	3.5	18
76	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
75	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
74	Optical coherence tomography angiography in pediatric choroidal neovascularization. <i>American Journal of Ophthalmology Case Reports</i> , 2016 , 2, 37-40	1.3	17
73	Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 48-56	3.5	17
72	Anterior chamber angle evaluation with fourier-domain optical coherence tomography. <i>Journal of Ophthalmology</i> , 2012 , 2012, 103704	2	17
71	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
70	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
69	Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. <i>Optics Letters</i> , 2019 , 44, 1431-1434	3	16
68	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
67	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
66	Detecting Blood Flow Response to Stimulation of the Human Eye. <i>BioMed Research International</i> , 2015 , 2015, 121973	3	15
65	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
64	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
63	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
62	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
61	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
60	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

59	Depth-resolved optimization of a real-time sensorless adaptive optics optical coherence tomography. <i>Optics Letters</i> , 2020 , 45, 2612-2615	3	13
58	Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , 2021 , 85, 100965	20.5	13
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	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
55	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
54	Automated detection of dilated capillaries on optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 1101-1109	3.5	12
53	Predicting transepithelial phototherapeutic keratectomy outcomes using Fourier domain optical coherence tomography. <i>Cornea</i> , 2014 , 33, 280-7	3.1	12
52	Mean curvature mapping for detection of corneal shape abnormality. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 424-8	11.7	12
51	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
50	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
49	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
48	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 776-789	3.5	11
47	Corneal Epithelial Remodeling after LASIK Measured by Fourier-Domain Optical Coherence Tomography. <i>Journal of Ophthalmology</i> , 2015 , 2015, 860313	2	11
46	Measurements of microkeratome cuts in donor corneas with ultrasound and optical coherence tomography. <i>Cornea</i> , 2012 , 31, 145-9	3.1	11
45	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
44	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
43	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
42	Invariant features-based automated registration and montage for wide-field OCT angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 120-136	3.5	10

41	Sensorless adaptive-optics optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2020 , 11, 3952-3967	3.5	10
40	Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography 2016 , 57, OCT141-5		10
39	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
38	Laboratory Evaluation of Femtosecond Laser Lamellar Cuts in Gamma-Irradiated Corneas. <i>Cornea</i> , 2015 , 34, 1499-503	3.1	8
37	Artifacts and artifact removal in optical coherence tomographic angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 1120-1133	3.6	8
36	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , 2020 , 127, 484-491	7.3	8
35	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
34	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
33	Dual laser-assisted lamellar anterior keratoplasty with top hat graft: a laboratory study. <i>Cornea</i> , 2012 , 31, 791-7	3.1	7
32	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
31	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
30	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
29	Glaucoma Increases Retinal Surface Contour Variability as Measured by Optical Coherence Tomography 2016 , 57, OCT438-43		6
28	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
27	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
26	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , 2021 , 1, 100027		4
25	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
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