

David Huang

List of Publications by Year in descending order

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190
papers

15,478
citations

34016

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22764

112
g-index

192
all docs

192
docs citations

192
times ranked

7007
citing authors

#	ARTICLE	IF	CITATIONS
1	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. Optics Express, 2012, 20, 4710.	1.7	1,574
2	Quantitative Optical Coherence Tomography Angiography of Choroidal Neovascularization in Age-Related Macular Degeneration. Ophthalmology, 2014, 121, 1435-1444.	2.5	654
3	Optical Coherence Tomography Angiography of Optic Disc Perfusion in Glaucoma. Ophthalmology, 2014, 121, 1322-1332.	2.5	635
4	Detection of Macular Ganglion Cell Loss in Glaucoma by Fourier-Domain Optical Coherence Tomography. Ophthalmology, 2009, 116, 2305-2314.e2.	2.5	583
5	Quantitative optical coherence tomography angiography of vascular abnormalities in the living human eye. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2395-402.	3.3	563
6	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. JAMA Ophthalmology, 2015, 133, 1045.	1.4	556
7	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
8	Quantitative OCT angiography of optic nerve head blood flow. Biomedical Optics Express, 2012, 3, 3127.	1.5	412
9	Optical Coherence Tomography Angiography Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. , 2016, 57, OCT451.		392
10	Comparison of Optical Coherence Tomography and Ultrasound Biomicroscopy for Detection of Narrow Anterior Chamber Angles. JAMA Ophthalmology, 2005, 123, 1053.	2.6	367
11	Mapping of Macular Substructures with Optical Coherence Tomography for Glaucoma Diagnosis. Ophthalmology, 2008, 115, 949-956.	2.5	329
12	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. Retina, 2015, 35, 2371-2376.	1.0	324
13	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. JAMA Ophthalmology, 2016, 134, 367.	1.4	319
14	Projection-resolved optical coherence tomographic angiography. Biomedical Optics Express, 2016, 7, 816.	1.5	285
15	Optical Coherence Tomography Angiography. , 2016, 57, OCT27.		283
16	Corneal Epithelial Thickness Mapping by Fourier-Domain Optical Coherence Tomography in Normal and Keratoconic Eyes. Ophthalmology, 2012, 119, 2425-2433.	2.5	282
17	Macular Perfusion in Healthy Chinese: An Optical Coherence Tomography Angiogram Study. , 2015, 56, 3212.		230
18	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. Ophthalmology, 2017, 124, 1589-1599.	2.5	215

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19	Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. Biomedical Optics Express, 2013, 4, 1909.	1.5	203
20	Total retinal blood flow measurement with ultrahigh speed swept source/Fourier domain OCT. Biomedical Optics Express, 2011, 2, 1539.	1.5	181
21	Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. JAMA Ophthalmology, 2016, 134, 1411.	1.4	164
22	Retinal blood flow measurement by circumpapillary Fourier domain Doppler optical coherence tomography. Journal of Biomedical Optics, 2008, 13, 064003.	1.4	159
23	Pilot Study of Optical Coherence Tomography Measurement of Retinal Blood Flow in Retinal and Optic Nerve Diseases. , 2011, 52, 840.		151
24	DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2015, 35, 2204-2211.	1.0	142
25	Optical Coherence Tomography Angiography Using the Optovue Device. Developments in Ophthalmology, 2016, 56, 6-12.	0.1	129
26	Mathematical model of corneal surface smoothing after laser refractive surgery. American Journal of Ophthalmology, 2003, 135, 267-278.	1.7	127
27	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF TIME COURSE OF CHOROIDAL NEOVASCULARIZATION IN RESPONSE TO ANTI-ANGIOGENIC TREATMENT. Retina, 2015, 35, 2260-2264.	1.0	125
28	Advanced image processing for optical coherence tomographic angiography of macular diseases. Biomedical Optics Express, 2015, 6, 4661.	1.5	122
29	Subclinical keratoconus detection by pattern analysis of corneal and epithelial thickness maps with optical coherence tomography. Journal of Cataract and Refractive Surgery, 2016, 42, 284-295.	0.7	115
30	Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. Optics Letters, 2015, 40, 2305.	1.7	112
31	Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. , 2016, 57, 5101.		106
32	Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia. , 2015, 56, 3287.		105
33	Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. Taiwan Journal of Ophthalmology, 2017, 7, 115.	0.3	105
34	Evaluation of artifact reduction in optical coherence tomography angiography with real-time tracking and motion correction technology. Biomedical Optics Express, 2016, 7, 3905.	1.5	104
35	Comparison of Glaucoma Progression Detection by Optical Coherence Tomography and Visual Field. American Journal of Ophthalmology, 2017, 184, 63-74.	1.7	101
36	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. Biomedical Optics Express, 2015, 6, 3564.	1.5	96

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37	Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography. , 2018, 59, 2212.		94
38	Handheld Optical Coherence Tomography Angiography and Ultra-Field Optical Coherence Tomography in Retinopathy of Prematurity. JAMA Ophthalmology, 2017, 135, 977.	1.4	92
39	High-speed Optical Coherence Tomography of Corneal Opacities. Ophthalmology, 2007, 114, 1278-1285.	2.5	89
40	Optical coherence tomography angiography enhances the detection of optic nerve damage in multiple sclerosis. British Journal of Ophthalmology, 2018, 102, 520-524.	2.1	88
41	Optical Coherence Tomography Imaging of the Anterior Chamber Angle. Ophthalmology Clinics of North America, 2005, 18, 375-381.	1.8	87
42	Corneal power measurement with Fourier-domain optical coherence tomography. Journal of Cataract and Refractive Surgery, 2010, 36, 2115-2122.	0.7	84
43	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography. , 2016, 57, 4485.		77
44	Pachymetric mapping with Fourier-domain optical coherence tomography. Journal of Cataract and Refractive Surgery, 2010, 36, 826-831.	0.7	76
45	Retinal Blood Flow in Glaucomatous Eyes with Single-Hemifield Damage. Ophthalmology, 2014, 121, 750-758.	2.5	76
46	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. Biomedical Optics Express, 2017, 8, 1536.	1.5	76
47	Automated Quantification of Nonperfusion Areas in 3 Vascular Plexuses With Optical Coherence Tomography Angiography in Eyes of Patients With Diabetes. JAMA Ophthalmology, 2018, 136, 929.	1.4	76
48	Combining Nerve Fiber Layer Parameters to Optimize Glaucoma Diagnosis with Optical Coherence Tomography. Ophthalmology, 2008, 115, 1352-1357.e2.	2.5	75
49	Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography. , 2016, 57, OCT526.		75
50	Measurement of absolute flow velocity vector using dual-angle, delay-encoded Doppler optical coherence tomography. Optics Letters, 2007, 32, 506.	1.7	73
51	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. Ophthalmology Retina, 2017, 1, 294-303.	1.2	71
52	Plexus-specific retinal vascular anatomy and pathologies as seen by projection-resolved optical coherence tomographic angiography. Progress in Retinal and Eye Research, 2021, 80, 100878.	7.3	71
53	MEDnet, a neural network for automated detection of avascular area in OCT angiography. Biomedical Optics Express, 2018, 9, 5147.	1.5	70
54	Optical Coherence Tomography Angiography of the Peripapillary Retina in Primary Angle-Closure Glaucoma. American Journal of Ophthalmology, 2017, 182, 194-200.	1.7	69

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55	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study. , 2016, 57, OCT204.		67
56	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. Ophthalmology, 2017, 124, 197-204.	2.5	67
57	Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. Biomedical Optics Express, 2016, 7, 2823.	1.5	66
58	Optical Coherence Tomography Angiography in Choroideremia. JAMA Ophthalmology, 2016, 134, 697.	1.4	62
59	Signal Strength Reduction Effects in OCT Angiography. Ophthalmology Retina, 2019, 3, 835-842.	1.2	59
60	Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness. , 2017, 58, 5188.		58
61	Longitudinal and Cross-Sectional Analyses of Age Effects on Retinal Nerve Fiber Layer and Ganglion Cell Complex Thickness by Fourier-Domain OCT. Translational Vision Science and Technology, 2016, 5, 1.	1.1	58
62	Predicting Development of Glaucomatous Visual Field Conversion Using Baseline Fourier-Domain Optical Coherence Tomography. American Journal of Ophthalmology, 2016, 163, 29-37.	1.7	57
63	Regional Correlation Among Ganglion Cell Complex, Nerve Fiber Layer, and Visual Field Loss in Glaucoma. , 2013, 54, 4287.		55
64	Baseline Fourier-Domain Optical Coherence Tomography Structural Risk Factors for Visual Field Progression in the Advanced Imaging for Glaucoma Study. American Journal of Ophthalmology, 2016, 172, 94-103.	1.7	55
65	Artificial intelligence in OCT angiography. Progress in Retinal and Eye Research, 2021, 85, 100965.	7.3	54
66	Optical coherence tomography of the anterior segment of the eye. Ophthalmology Clinics of North America, 2004, 17, 1-6.	1.8	53
67	Does Optic Nerve Head Size Variation Affect Circumpapillary Retinal Nerve Fiber Layer Thickness Measurement by Optical Coherence Tomography?. , 2012, 53, 4990.		51
68	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2020, 40, 891-897.	1.0	50
69	Effect of Signal Intensity on Measurement of Ganglion Cell Complex and Retinal Nerve Fiber Layer Scans in Fourier-Domain Optical Coherence Tomography. Translational Vision Science and Technology, 2015, 4, 7.	1.1	47
70	Distinguishing between contact lens warpage and ectasia: Usefulness of optical coherence tomography epithelial thickness mapping. Journal of Cataract and Refractive Surgery, 2017, 43, 60-66.	0.7	46
71	Automated segmentation of retinal layer boundaries and capillary plexuses in wide-field optical coherence tomographic angiography. Biomedical Optics Express, 2018, 9, 4429.	1.5	46
72	Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. Ophthalmology Retina, 2019, 3, 629-636.	1.2	46

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73	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.	1.5	45
74	Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>American Journal of Ophthalmology</i> , 2019, 207, 99-109.	1.7	44
75	High-speed and widefield handheld swept-source OCT angiography with a VCSEL light source. <i>Biomedical Optics Express</i> , 2021, 12, 3553.	1.5	43
76	Handheld optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 2287.	1.5	42
77	OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. <i>Ophthalmology Retina</i> , 2018, 2, 329-336.	1.2	42
78	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 3053.	1.5	40
79	Characteristics of Keratoconus and Pellucid Marginal Degeneration in Mean Curvature Maps. <i>American Journal of Ophthalmology</i> , 2005, 140, 993-1001.e1.	1.7	37
80	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. <i>Retina</i> , 2016, 36, 2339-2347.	1.0	37
81	Combining measurements from three anatomical areas for glaucoma diagnosis using Fourier-domain optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2015, 99, 1224-1229.	2.1	35
82	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.	0.8	35
83	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.	1.7	35
84	Anterior Chamber Angle Measurements Using Schwalbe's Line With High-resolution Fourier-Domain Optical Coherence Tomography. <i>Journal of Glaucoma</i> , 2013, 22, 684-688.	0.8	33
85	Automated registration and enhanced processing of clinical optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 391-401.	1.1	33
86	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.	1.7	33
87	Split-spectrum phase-gradient optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2016, 7, 2943.	1.5	32
88	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.	1.7	32
89	Optical Coherence Tomographic Angiography of Choroidal Neovascularization Associated With Central Serous Chorioretinopathy. <i>JAMA Ophthalmology</i> , 2015, 133, 1212.	1.4	30
90	Interchangeability and reliability of macular perfusion parameter measurements using optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2017, 101, 1542-1549.	2.1	30

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91	Projection-Resolved Optical Coherence Tomographic Angiography of Retinal Plexuses in Retinitis Pigmentosa. American Journal of Ophthalmology, 2019, 204, 70-79.	1.7	30
92	Predictive Factors for the Rate of Visual Field Progression in the Advanced Imaging for Glaucoma Study. American Journal of Ophthalmology, 2019, 202, 62-71.	1.7	30
93	Artifacts and artifact removal in optical coherence tomographic angiography. Quantitative Imaging in Medicine and Surgery, 2020, 11, 1120-1133.	1.1	30
94	Screening for Previous Refractive Surgery in Eye Bank Corneas by Using Optical Coherence Tomography. Cornea, 2007, 26, 594-599.	0.9	29
95	Foreword: 25 Years of Optical Coherence Tomography. , 2016, 57, OCTi.		29
96	Differentiating Keratoconus and Corneal Warpge by Analyzing Focal Change Patterns in Corneal Topography, Pachymetry, and Epithelial Thickness Maps. , 2016, 57, OCT544.		29
97	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 2056.	1.5	29
98	Automated detection of shadow artifacts in optical coherence tomography angiography. Biomedical Optics Express, 2019, 10, 1514.	1.5	29
99	Repeatability of laser in situ keratomileusis flap thickness measurement by Fourier-domain optical coherence tomography. Journal of Cataract and Refractive Surgery, 2011, 37, 649-654.	0.7	28
100	Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 5851.	1.5	28
101	Calibration of optical coherence tomography angiography with a microfluidic chip. Journal of Biomedical Optics, 2016, 21, 1.	1.4	27
102	Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Anti-VEGF Vascular Endothelial Growth Factor Therapy with OCT Angiography. Ophthalmology Retina, 2018, 2, 931-941.	1.2	27
103	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. Ophthalmology Retina, 2018, 2, 816-826.	1.2	27
104	Automated segmentation of peripapillary retinal boundaries in OCT combining a convolutional neural network and a multi-weights graph search. Biomedical Optics Express, 2019, 10, 4340.	1.5	27
105	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography. , 2018, 59, 4285.		26
106	Maximum value projection produces better en face OCT angiograms than mean value projection. Biomedical Optics Express, 2018, 9, 6412.	1.5	26
107	Detection of Reduced Retinal Vessel Density in Eyes with Geographic Atrophy Secondary to Age-Related Macular Degeneration Using Projection-Resolved Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2020, 209, 206-212.	1.7	25
108	Depth-resolved optimization of a real-time sensorless adaptive optics optical coherence tomography. Optics Letters, 2020, 45, 2612.	1.7	25

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109	Advanced Imaging for Glaucoma Study: Design, Baseline Characteristics, and Inter-site Comparison. American Journal of Ophthalmology, 2015, 159, 393-403.e2.	1.7	24
110	Development of a nomogram for femtosecond laser astigmatic keratotomy for astigmatism after keratoplasty. Journal of Cataract and Refractive Surgery, 2016, 42, 556-562.	0.7	24
111	Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. Optics Letters, 2019, 44, 1431.	1.7	24
112	Anterior Chamber Angle Evaluation with Fourier-Domain Optical Coherence Tomography. Journal of Ophthalmology, 2012, 2012, 1-5.	0.6	23
113	Optical coherence tomography angiography in pediatric choroidal neovascularization. American Journal of Ophthalmology Case Reports, 2016, 2, 37-40.	0.4	23
114	Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. British Journal of Ophthalmology, 2017, 101, 45-50.	2.1	23
115	Extended axial imaging range, widefield swept source optical coherence tomography angiography. Journal of Biophotonics, 2017, 10, 1464-1472.	1.1	23
116	Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. Ophthalmology Retina, 2018, 2, 244-250.	1.2	23
117	Optical coherence tomography-based corneal power measurement and intraocular lens power calculation following laser vision correction (an American Ophthalmological Society thesis). Transactions of the American Ophthalmological Society, 2013, 111, 34-45.	1.4	23
118	Mean curvature mapping for detection of corneal shape abnormality. IEEE Transactions on Medical Imaging, 2005, 24, 424-428.	5.4	22
119	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. Biomedical Optics Express, 2017, 8, 4595.	1.5	22
120	Detecting and measuring areas of choriocapillaris low perfusion in intermediate, non-neovascular age-related macular degeneration. Neurophotonics, 2019, 6, 1.	1.7	22
121	Three-dimensional structural and angiographic evaluation of foveal ischemia in diabetic retinopathy: method and validation. Biomedical Optics Express, 2019, 10, 3522.	1.5	22
122	Measurement of Retinal Blood Flow in Normal Chinese-American Subjects by Doppler Fourier-Domain Optical Coherence Tomography. Investigative Ophthalmology and Visual Science, 2015, 56, 1569-1574.	3.3	21
123	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. Journal of Biomedical Optics, 2016, 21, 076010.	1.4	21
124	Projection-resolved optical coherence tomography angiography exhibiting early flow prior to clinically observed retinal angiomatous proliferation. American Journal of Ophthalmology Case Reports, 2017, 8, 53-57.	0.4	21
125	Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 48.	1.5	21
126	Automated drusen detection in dry age-related macular degeneration by multiple-depth, en face optical coherence tomography. Biomedical Optics Express, 2017, 8, 5049.	1.5	21

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127	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.	1.7	21
128	Detecting Blood Flow Response to Stimulation of the Human Eye. <i>BioMed Research International</i> , 2015, 2015, 1-14.	0.9	20
129	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.	1.1	20
130	Keratoconus detection using OCT corneal and epithelial thickness map parameters and patterns. <i>Journal of Cataract and Refractive Surgery</i> , 2021, 47, 759-766.	0.7	20
131	Corneal Epithelial Remodeling after LASIK Measured by Fourier-Domain Optical Coherence Tomography. <i>Journal of Ophthalmology</i> , 2015, 2015, 1-5.	0.6	19
132	Characterization of Chorioretinopathy Associated with Mitochondrial Trifunctional Protein Disorders. <i>Ophthalmology</i> , 2016, 123, 2183-2195.	2.5	19
133	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.	1.5	19
134	Invariant features-based automated registration and montage for wide-field OCT angiography. <i>Biomedical Optics Express</i> , 2019, 10, 120.	1.5	19
135	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 776.	1.5	18
136	Automated detection of preserved photoreceptor on optical coherence tomography in choroideremia based on machine learning. <i>Journal of Biophotonics</i> , 2018, 11, e201700313.	1.1	18
137	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , 2020, 127, 484-491.	2.5	18
138	Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 026001.	1.4	17
139	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.	1.4	17
140	A Deep Learning Network for Classifying Arteries and Veins in Montaged Widefield OCT Angiograms. <i>Ophthalmology Science</i> , 2022, 2, 100149.	1.0	17
141	Sensorless adaptive-optics optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2020, 11, 3952.	1.5	16
142	A Diabetic Retinopathy Classification Framework Based on Deep-Learning Analysis of OCT Angiography. <i>Translational Vision Science and Technology</i> , 2022, 11, 10.	1.1	16
143	Use of Fourier-Domain Optical Coherence Tomography to Evaluate Anterior Stromal Opacities in Donor Corneas. <i>Journal of Ophthalmology</i> , 2013, 2013, 1-5.	0.6	15
144	Automated detection of dilated capillaries on optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017, 8, 1101.	1.5	15

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145	Automated detection of photoreceptor disruption in mild diabetic retinopathy on volumetric optical coherence tomography. <i>Biomedical Optics Express</i> , 2017, 8, 5384.	1.5	15
146	Longitudinal Detection of Radiation-Induced Peripapillary and Macular Retinal Capillary Ischemia Using OCT Angiography. <i>Ophthalmology Retina</i> , 2020, 4, 320-326.	1.2	15
147	Predicting Transepithelial Phototherapeutic Keratectomy Outcomes Using Fourier Domain Optical Coherence Tomography. <i>Cornea</i> , 2014, 33, 280-287.	0.9	14
148	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, 827-835.	0.7	14
149	Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. <i>Neurophotonics</i> , 2019, 6, 1.	1.7	14
150	Measurements of Microkeratome Cuts in Donor Corneas With Ultrasound and Optical Coherence Tomography. <i>Cornea</i> , 2012, 31, 145-149.	0.9	13
151	Guiding flying-spot laser transepithelial phototherapeutic keratectomy with optical coherence tomography. <i>Journal of Cataract and Refractive Surgery</i> , 2017, 43, 525-536.	0.7	13
152	Estimating Visual Field Mean Deviation using Optical Coherence Tomographic Nerve Fiber Layer Measurements in Glaucoma Patients. <i>Scientific Reports</i> , 2019, 9, 18528.	1.6	13
153	Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography. , 2016, 57, OCT141.		12
154	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , 2021, 1, 100027.	1.0	12
155	Fast and robust standard-deviation-based method for bulk motion compensation in phase-based functional OCT. <i>Optics Letters</i> , 2018, 43, 2204.	1.7	12
156	Peripheral OCT Assisted by Scleral Depression in Retinopathy of Prematurity. <i>Ophthalmology Science</i> , 2022, 2, 100094.	1.0	12
157	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.	1.6	12
158	Pilot Study for OCT Guided Design and Fit of a Prosthetic Device for Treatment of Corneal Disease. <i>Journal of Ophthalmology</i> , 2012, 2012, 1-7.	0.6	11
159	Nerve Fiber Flux Analysis Using Wide-Field Swept-Source Optical Coherence Tomography. <i>Translational Vision Science and Technology</i> , 2018, 7, 16.	1.1	11
160	Effect of algorithms and covariates in glaucoma diagnosis with optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2022, 106, 1703-1709.	2.1	11
161	Light scattering measurements in electron-beam sterilized corneas stored in recombinant human serum albumin. <i>Cell and Tissue Banking</i> , 2018, 19, 19-25.	0.5	10
162	Cognitive decline in older adults: What can we learn from optical coherence tomography (<sc>OCT</sc>) based retinal vascular imaging?. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 2524-2535.	1.3	10

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163	Laboratory Evaluation of Femtosecond Laser Lamellar Cuts in Gamma-Irradiated Corneas. <i>Cornea</i> , 2015, 34, 1499-1503.	0.9	9
164	A Coincident Thinning Index for Keratoconus Identification Using OCT Pachymetry and Epithelial Thickness Maps. <i>Journal of Refractive Surgery</i> , 2020, 36, 757-765.	1.1	9
165	Dual Laser-Assisted Lamellar Anterior Keratoplasty With Top Hat Graft. <i>Cornea</i> , 2012, 31, 791-797.	0.9	8
166	Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. <i>Cornea</i> , 2020, 39, 598-604.	0.9	8
167	Focal Loss Analysis of Nerve Fiber Layer Reflectance for Glaucoma Diagnosis. <i>Translational Vision Science and Technology</i> , 2021, 10, 9.	1.1	8
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