

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3728649/yali-jia-publications-by-citations.pdf>

**Version:** 2024-04-25

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.

163  
papers

8,810  
citations

42  
h-index

91  
g-index

181  
ext. papers

10,445  
ext. citations

4.1  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
163	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Optics Express</i> , <b>2012</b> , 20, 4710-25	3.3	1250
162	Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. <i>Ophthalmology</i> , <b>2014</b> , 121, 1435-44	7.3	550
161	Optical coherence tomography angiography of optic disc perfusion in glaucoma. <i>Ophthalmology</i> , <b>2014</b> , 121, 1322-32	7.3	498
160	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> , <b>2015</b> , 112, E2395-402	11.5	474
159	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 1045-52	3.9	418
158	Quantitative OCT angiography of optic nerve head blood flow. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 3127-375	3.75	334
157	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , <b>2015</b> , 35, 2371-6	3.6	253
156	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 367-73	3.9	252
155	Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 8163-28	3.28	234
154	Optical Coherence Tomography Angiography <b>2016</b> , 57, OCT27-36		219
153	Macular perfusion in healthy Chinese: an optical coherence tomography angiogram study <b>2015</b> , 56, 3212-7		191
152	Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. <i>British Journal of Ophthalmology</i> , <b>2014</b> , 98, 1368-73	5.5	173
151	Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 1909-24	3.5	160
150	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. <i>Ophthalmology</i> , <b>2017</b> , 124, 1589-1599	7.3	150
149	Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 1411-1419	3.9	130
148	DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , <b>2015</b> , 35, 2204-11	3.6	115
147	Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 4661-75	3.5	100

146	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF TIME COURSE OF CHOROIDAL NEOVASCULARIZATION IN RESPONSE TO ANTI-ANGIOGENIC TREATMENT. <i>Retina</i> , <b>2015</b> , 35, 2260-4	3.6	96
145	Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia <b>2015</b> , 56, 3287-91		94
144	Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. <i>Optics Letters</i> , <b>2015</b> , 40, 2305-8	3	91
143	Optical Coherence Tomography Angiography Using the Optovue Device. <i>Developments in Ophthalmology</i> , <b>2016</b> , 56, 6-12		90
142	Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy <b>2016</b> , 57, 5101-5106		87
141	Evaluation of artifact reduction in optical coherence tomography angiography with real-time tracking and motion correction technology. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 3905-3915	3.5	86
140	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 3564-76	3.5	83
139	Optical coherence tomography angiography enhances the detection of optic nerve damage in multiple sclerosis. <i>British Journal of Ophthalmology</i> , <b>2018</b> , 102, 520-524	5.5	69
138	Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. <i>Taiwan Journal of Ophthalmology</i> , <b>2017</b> , 7, 115-129	1.4	69
137	Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography <b>2018</b> , 59, 2212-2221		67
136	Parafoveal retinal vascular response to pattern visual stimulation assessed with OCT angiography. <i>PLoS ONE</i> , <b>2013</b> , 8, e81343	3.7	66
135	Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography <b>2016</b> , 57, OCT526-32		60
134	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography <b>2016</b> , 57, 4485-92		60
133	Automated Quantification of Nonperfusion Areas in 3 Vascular Plexuses With Optical Coherence Tomography Angiography in Eyes of Patients With Diabetes. <i>JAMA Ophthalmology</i> , <b>2018</b> , 136, 929-936	3.9	59
132	A two-dimensional fingerprint nanoprobe based on black phosphorus for bio-SERS analysis and chemo-photothermal therapy. <i>Nanoscale</i> , <b>2018</b> , 10, 18795-18804	7.7	59
131	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1536-1548	3.5	57
130	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , <b>2017</b> , 1, 294-303	3.8	55
129	Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 2823-36	3.5	55

128	Automated volumetric segmentation of retinal fluid on optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 1577-89	3.5	54
127	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study <b>2016</b> , 57, OCT204-10		54
126	Optical Coherence Tomography Angiography in Choroideremia: Correlating Choriocapillaris Loss With Overlying Degeneration. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 697-702	3.9	52
125	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. <i>Ophthalmology</i> , <b>2017</b> , 124, 197-204	7.3	51
124	Optical Coherence Tomography Angiography of the Peripapillary Retina in Primary Angle-Closure Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2017</b> , 182, 194-200	4.9	49
123	Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness <b>2017</b> , 58, 5188-5194		45
122	MEDnet, a neural network for automated detection of avascular area in OCT angiography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 5147-5158	3.5	43
121	Signal Strength Reduction Effects in OCT Angiography. <i>Ophthalmology Retina</i> , <b>2019</b> , 3, 835-842	3.8	41
120	OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 329-336	3.8	34
119	Automated segmentation of retinal layer boundaries and capillary plexuses in wide-field optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 4429-4442	3.5	33
118	In vivo optical imaging of revascularization after brain trauma in mice. <i>Microvascular Research</i> , <b>2011</b> , 81, 73-80	3.7	32
117	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , <b>2020</b> , 40, 891-897	3.6	32
116	Plexus-specific retinal vascular anatomy and pathologies as seen by projection-resolved optical coherence tomographic angiography. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 80, 100878	20.5	32
115	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 3053-3066	3.5	31
114	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> , <b>2019</b> , 10, 3257-3268	3.5	31
113	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. <i>Retina</i> , <b>2016</b> , 36, 2339-2347	3.6	30
112	Highly sensitive imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 1059-68	3.5	28
111	Optical microangiography provides an ability to monitor responses of cerebral microcirculation to hypoxia and hyperoxia in mice. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 096019	3.5	28

110	Automated diagnosis and segmentation of choroidal neovascularization in OCT angiography using deep learning. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 927-944	3.5	28
109	Automated registration and enhanced processing of clinical optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2016</b> , 6, 391-401	3.6	28
108	Optical Coherence Tomography Angiography Study of Choroidal Neovascularization Early Response after Treatment. <i>Developments in Ophthalmology</i> , <b>2016</b> , 56, 77-85		27
107	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> , <b>2019</b> , 202, 79-90	4.9	26
106	Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 207, 99-109	4.9	25
105	En face Doppler total retinal blood flow measurement with 70 kHz spectral optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 066004	3.5	25
104	Split-spectrum phase-gradient optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 2943-54	3.5	25
103	Optical coherence tomographic angiography of choroidal neovascularization associated with central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , <b>2015</b> , 133, 1212-4	3.9	24
102	Interchangeability and reliability of macular perfusion parameter measurements using optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , <b>2017</b> , 101, 1542-1549	5.5	23
101	Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 034014	3.5	23
100	Projection-Resolved Optical Coherence Tomographic Angiography of Retinal Plexuses in Retinitis Pigmentosa. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 204, 70-79	4.9	22
99	Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. <i>Ophthalmology Retina</i> , <b>2019</b> , 3, 629-636	3.8	22
98	Reduced Retinal Vessel Density in Primary Angle Closure Glaucoma: A Quantitative Study Using Optical Coherence Tomography Angiography. <i>Journal of Glaucoma</i> , <b>2018</b> , 27, 322-327	2.1	22
97	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 2056-2067	3.5	22
96	Sonodynamic action of hypocrellin B triggers cell apoptosis of breast cancer cells involving caspase pathway. <i>Ultrasonics</i> , <b>2017</b> , 73, 154-161	3.5	22
95	Potential of optical microangiography to monitor cerebral blood perfusion and vascular plasticity following traumatic brain injury in mice in vivo. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 040505	3.5	21
94	Retinal capillary oximetry with visible light optical coherence tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11658-11666	11.5	20
93	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 816-826	3.8	20

92	Calibration of optical coherence tomography angiography with a microfluidic chip. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 86015	3.5	20
91	Optical micro-angiography images structural and functional cerebral blood perfusion in mice with cranium left intact. <i>Journal of Biophotonics</i> , <b>2011</b> , 4, 57-63	3.1	20
90	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography <b>2018</b> , 59, 4285-4291		20
89	Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 244-250	3.8	19
88	Automatic quantification of choroidal neovascularization lesion area on OCT angiography based on density cell-like P systems with active membranes. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 3208-3219	3.5	19
87	Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. <i>British Journal of Ophthalmology</i> , <b>2017</b> , 101, 45-50	5.5	18
86	Extended axial imaging range, widefield swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 1464-1472	3.1	18
85	Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Anti-Vascular Endothelial Growth Factor Therapy with OCT Angiography. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 931-941	3.8	18
84	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 76010	3.5	18
83	Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4595-4608	3.5	18
82	Automated detection of shadow artifacts in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 1514-1531	3.5	18
81	Maximum value projection produces better OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 6412-6424	3.5	18
80	Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 5851-5862	3.5	18
79	Projection-resolved optical coherence tomography angiography exhibiting early flow prior to clinically observed retinal angiomatous proliferation. <i>American Journal of Ophthalmology Case Reports</i> , <b>2017</b> , 8, 53-57	1.3	17
78	Optical coherence tomography angiography in pediatric choroidal neovascularization. <i>American Journal of Ophthalmology Case Reports</i> , <b>2016</b> , 2, 37-40	1.3	17
77	Deep learning for the segmentation of preserved photoreceptors on optical coherence tomography in two inherited retinal diseases. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 3092-3105	3.5	17
76	Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 48-56	3.5	17
75	Reconstruction of high-resolution 6 $\mu$ m OCT angiograms using deep learning. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 3585-3600	3.5	17

74	Label-free and highly sensitive optical imaging of detailed microcirculation within meninges and cortex in mice with the cranium left intact. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 030510	3.5	16
73	Robust non-perfusion area detection in three retinal plexuses using convolutional neural network in OCT angiography. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 330-345	3.5	16
72	Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. <i>Optics Letters</i> , <b>2019</b> , 44, 1431-1434	3	16
71	Automated Segmentation of Retinal Fluid Volumes From Structural and Angiographic Optical Coherence Tomography Using Deep Learning. <i>Translational Vision Science and Technology</i> , <b>2020</b> , 9, 54	3.3	16
70	Enhanced Quantification of Retinal Perfusion by Improved Discrimination of Blood Flow From Bulk Motion Signal in OCTA. <i>Translational Vision Science and Technology</i> , <b>2018</b> , 7, 20	3.3	16
69	Automated drusen detection in dry age-related macular degeneration by multiple-depth, optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 5049-5064	3.5	15
68	Detecting Blood Flow Response to Stimulation of the Human Eye. <i>BioMed Research International</i> , <b>2015</b> , 2015, 121973	3	15
67	Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice. <i>Journal of Neuroscience Methods</i> , <b>2010</b> , 194, 108-115	3	15
66	Three-dimensional structural and angiographic evaluation of foveal ischemia in diabetic retinopathy: method and validation. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 3522-3532	3.5	15
65	Automated segmentation of peripapillary retinal boundaries in OCT combining a convolutional neural network and a multi-weights graph search. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 4340-4352	3.5	15
64	High-resolution wide-field OCT angiography with a self-navigation method to correct microsaccades and blinks. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 3234-3245	3.5	15
63	Responses of peripheral blood flow to acute hypoxia and hyperoxia as measured by optical microangiography. <i>PLoS ONE</i> , <b>2011</b> , 6, e26802	3.7	15
62	High-speed and widefield handheld swept-source OCT angiography with a VCSEL light source. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 3553-3570	3.5	14
61	DcardNet: Diabetic Retinopathy Classification at Multiple Levels Based on Structural and Angiographic Optical Coherence Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1859-1870	5	14
60	Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 26001	3.5	13
59	Automated detection of photoreceptor disruption in mild diabetic retinopathy on volumetric optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 5384-5398	3.5	13
58	Imaging retinal structures at cellular-level resolution by visible-light optical coherence tomography. <i>Optics Letters</i> , <b>2020</b> , 45, 2107-2110	3	13
57	Depth-resolved optimization of a real-time sensorless adaptive optics optical coherence tomography. <i>Optics Letters</i> , <b>2020</b> , 45, 2612-2615	3	13

56	Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 85, 100965	20.5	13
55	Characterization of Choriorretinopathy Associated with Mitochondrial Trifunctional Protein Disorders: Long-Term Follow-up of 21 Cases. <i>Ophthalmology</i> , <b>2016</b> , 123, 2183-95	7.3	13
54	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> , <b>2020</b> , 209, 206-212	4.9	13
53	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> , <b>2017</b> , 8, 1306-1318	3.5	12
52	Automated detection of dilated capillaries on optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1101-1109	3.5	12
51	Detecting and measuring areas of choriocapillaris low perfusion in intermediate, non-neovascular age-related macular degeneration. <i>Neurophotonics</i> , <b>2019</b> , 6, 041108	3.9	12
50	Automated detection of preserved photoreceptor on optical coherence tomography in choroideremia based on machine learning. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700313	3.1	11
49	Assessing total retinal blood flow in diabetic retinopathy using multiplane en face Doppler optical coherence tomography. <i>British Journal of Ophthalmology</i> , <b>2018</b> , 102, 126-130	5.5	11
48	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 776-789	3.5	11
47	Ultrahigh sensitive optical microangiography reveals depth-resolved microcirculation and its longitudinal response to prolonged ischemic event within skeletal muscles in mice. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 086004	3.5	11
46	Fast and robust standard-deviation-based method for bulk motion compensation in phase-based functional OCT. <i>Optics Letters</i> , <b>2018</b> , 43, 2204-2207	3	11
45	Spectral fractionation detection of gold nanorod contrast agents using optical coherence tomography. <i>Optics Express</i> , <b>2015</b> , 23, 4212-25	3.3	10
44	Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. <i>Neurophotonics</i> , <b>2019</b> , 6, 041104	3.9	10
43	Invariant features-based automated registration and montage for wide-field OCT angiography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 120-136	3.5	10
42	High dynamic range optical coherence tomography angiography (HDR-OCTA). <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 3560-3571	3.5	10
41	Sensorless adaptive-optics optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 3952-3967	3.5	10
40	Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography <b>2016</b> , 57, OCT141-5		10
39	75-degree non-mydratic single-volume optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 6286-6295	3.5	9



38	Artifacts and artifact removal in optical coherence tomographic angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2021</b> , 11, 1120-1133	3.6	8
37	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , <b>2020</b> , 127, 484-491	7.3	8
36	Longitudinal Detection of Radiation-Induced Peripapillary and Macular Retinal Capillary Ischemia Using OCT Angiography. <i>Ophthalmology Retina</i> , <b>2020</b> , 4, 320-326	3.8	7
35	Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of Optical Coherence Tomography Data. <i>Ophthalmology Science</i> , <b>2021</b> , 100069		6
34	Optical Coherence Tomography Angiography Avascular Area Association With 1-Year Treatment Requirement and Disease Progression in Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 217, 268-277	4.9	6
33	AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , <b>2021</b> , 100972	20.5	5
32	Automated phase unwrapping in Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1-4	3.5	4
31	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , <b>2021</b> , 1, 100027		4
30	Label-free 3D optical microangiography imaging of functional vasa nervorum and peripheral microvascular tree in the hind limb of diabetic mice. <i>Journal of Innovative Optical Health Sciences</i> , <b>2010</b> , 3, 307-313	1.2	3
29	Doppler optical microangiography improves the quantification of local fluid flow and shear stress within 3-D porous constructs. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 050504	3.5	3
28	Sectorwise Visual Field Simulation Using Optical Coherence Tomographic Angiography Nerve Fiber Layer Plexus Measurements in Glaucoma. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 212, 57-68	4.9	3
27	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> , <b>2021</b> , 139, 734-741	3.9	3
26	105° field of view non-contact handheld swept-source optical coherence tomography. <i>Optics Letters</i> , <b>2021</b> , 46, 5878-5881	3	2
25	An Open-Source Deep Learning Network for Reconstruction of High-Resolution OCT Angiograms of Retinal Intermediate and Deep Capillary Plexuses. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 13	3.3	2
24	Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. <i>Cornea</i> , <b>2020</b> , 39, 598-604	3.1	2
23	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> , <b>2021</b> , 69, 2524-2535	5.6	2
22	Directional Reflectivity of the Ellipsoid Zone in Dry Age-Related Macular Degeneration. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2021</b> , 52, 145-152	1.4	2
21	Phase-stabilized complex-decorrelation angiography. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 2419-2431	3.5	2

20	Quantitative evaluation of retinal artery occlusion using optical coherence tomography angiography: A case report. <i>Medicine (United States)</i> , <b>2018</b> , 97, e12652	1.8	2
19	Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds <b>2011</b> ,		1
18	Peripheral OCT Assisted by Scleral Depression in Retinopathy of Prematurity.. <i>Ophthalmology Science</i> , <b>2022</b> , 2,		1
17	Peripheral optical coherence tomography assisted by scleral depression in retinopathy of prematurity		1
16	Effect of algorithms and covariates in glaucoma diagnosis with optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , <b>2021</b> ,	5.5	1
15	An end-to-end network for segmenting the vasculature of three retinal capillary plexuses from OCT angiographic volumes. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4889-4900	3.5	1
14	Polarization-multiplexed, dual-beam swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700303	3.1	1
13	Quantitative optical coherence tomography angiography of the peripapillary circulation in glaucoma. <i>Annals of Eye Science</i> , <b>2017</b> , 2,	0.9	1
12	Normative intercapillary distance and vessel density data in the temporal retina assessed by wide-field spectral-domain optical coherence tomography angiography. <i>Experimental Biology and Medicine</i> , <b>2021</b> , 246, 2230-2237	3.7	1
11	Deep learning-based signal-independent assessment of macular avascular area on 6 $\times$ 6 mm optical coherence tomography angiogram in diabetic retinopathy: a comparison to instrument-embedded software. <i>British Journal of Ophthalmology</i> , <b>2021</b> ,	5.5	1
10	Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. <b>2021</b> , 62, 28		1
9	Clinical Applications of Doppler OCT and OCT Angiography <b>2015</b> , 1413-1428		0
8	Advantages of Widefield Optical Coherence Tomography in the Diagnosis of Retinopathy of Prematurity.. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 797684	3.4	0
7	Focal Loss Analysis of Nerve Fiber Layer Reflectance for Glaucoma Diagnosis. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 9	3.3	0
6	Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. <i>Scientific Reports</i> , <b>2021</b> , 11, 17251	4.9	0
5	A deep learning network for classifying arteries and veins in montaged wide-field OCT angiograms. <i>Ophthalmology Science</i> , <b>2022</b> , 100149		0
4	Optische Kohärenztomographie-Angiographie mit dem Optovue-System. <i>Karger Kompass Ophthalmologie</i> , <b>2017</b> , 3, 58-63		0
3	Noninvasive Ocular Angiography by Optical Coherence Tomography <b>2015</b> , 63-71		

2 Optical coherence tomography angiography of non-exudative choroidal neovascularization. *Yan Ke Xue Bao = Eye Science*, **2016**, 31, 243-245

1 Emerging imaging developments in experimental vision sciences and ophthalmology. *Experimental Biology and Medicine*, **2021**, 246, 2137-2139

3-7