

Yali Jia

List of Publications by Year in Descending Order

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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.

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	Peripheral OCT Assisted by Scleral Depression in Retinopathy of Prematurity.. <i>Ophthalmology Science</i> , 2022 , 2,		1
162	A deep learning network for classifying arteries and veins in montaged wide-field OCT angiograms. <i>Ophthalmology Science</i> , 2022 , 100149		0
161	Advantages of Widefield Optical Coherence Tomography in the Diagnosis of Retinopathy of Prematurity.. <i>Frontiers in Pediatrics</i> , 2021 , 9, 797684	3.4	0
160	105°field of view non-contact handheld swept-source optical coherence tomography. <i>Optics Letters</i> , 2021 , 46, 5878-5881	3	2
159	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> , 2021 , 10, 13	3.3	2
158	Artifacts and artifact removal in optical coherence tomographic angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 1120-1133	3.6	8
157	Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of Optical Coherence Tomography Data. <i>Ophthalmology Science</i> , 2021 , 100069		6
156	Artificial intelligence in OCT angiography. <i>Progress in Retinal and Eye Research</i> , 2021 , 85, 100965	20.5	13
155	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
154	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
153	Focal Loss Analysis of Nerve Fiber Layer Reflectance for Glaucoma Diagnosis. <i>Translational Vision Science and Technology</i> , 2021 , 10, 9	3.3	0
152	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
151	Effect of algorithms and covariates in glaucoma diagnosis with optical coherence tomography angiography. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
150	Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. <i>Ophthalmology Science</i> , 2021 , 1, 100027		4
149	AI-based monitoring of retinal fluid in disease activity and under therapy. <i>Progress in Retinal and Eye Research</i> , 2021 , 100972	20.5	5
148	An end-to-end network for segmenting the vasculature of three retinal capillary plexuses from OCT angiographic volumes. <i>Biomedical Optics Express</i> , 2021 , 12, 4889-4900	3.5	1
147	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

146	DcardNet: Diabetic Retinopathy Classification at Multiple Levels Based on Structural and Angiographic Optical Coherence Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 1859-1870	5	14
145	Directional Reflectivity of the Ellipsoid Zone in Dry Age-Related Macular Degeneration. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2021 , 52, 145-152	1.4	2
144	Phase-stabilized complex-decorrelation angiography. <i>Biomedical Optics Express</i> , 2021 , 12, 2419-2431	3.5	2
143	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> , 2021 , 246, 2230-2237	3.7	1
142	Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. <i>Scientific Reports</i> , 2021 , 11, 17251	4.9	0
141	Emerging imaging developments in experimental vision sciences and ophthalmology. <i>Experimental Biology and Medicine</i> , 2021 , 246, 2137-2139	3.7	
140	Deep learning-based signal-independent assessment of macular avascular area on 6 \times mm optical coherence tomography angiogram in diabetic retinopathy: a comparison to instrument-embedded software. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1
139	Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. 2021 , 62, 28		1
138	Retinal capillary oximetry with visible light optical coherence tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11658-11666	11.5	20
137	Robust non-perfusion area detection in three retinal plexuses using convolutional neural network in OCT angiography. <i>Biomedical Optics Express</i> , 2020 , 11, 330-345	3.5	16
136	Automated diagnosis and segmentation of choroidal neovascularization in OCT angiography using deep learning. <i>Biomedical Optics Express</i> , 2020 , 11, 927-944	3.5	28
135	High-resolution wide-field OCT angiography with a self-navigation method to correct microsaccades and blinks. <i>Biomedical Optics Express</i> , 2020 , 11, 3234-3245	3.5	15
134	Reconstruction of high-resolution 6 \times -mm OCT angiograms using deep learning. <i>Biomedical Optics Express</i> , 2020 , 11, 3585-3600	3.5	17
133	Sensorless adaptive-optics optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2020 , 11, 3952-3967	3.5	10
132	Imaging retinal structures at cellular-level resolution by visible-light optical coherence tomography. <i>Optics Letters</i> , 2020 , 45, 2107-2110	3	13
131	Depth-resolved optimization of a real-time sensorless adaptive optics optical coherence tomography. <i>Optics Letters</i> , 2020 , 45, 2612-2615	3	13
130	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
129	Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. <i>Ophthalmology</i> , 2020 , 127, 484-491	7.3	8

128	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
127	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
126	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
125	DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. <i>Retina</i> , 2020 , 40, 891-897	3.6	32
124	Automated Segmentation of Retinal Fluid Volumes From Structural and Angiographic Optical Coherence Tomography Using Deep Learning. <i>Translational Vision Science and Technology</i> , 2020 , 9, 54	3.3	16
123	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
122	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
121	Signal Strength Reduction Effects in OCT Angiography. <i>Ophthalmology Retina</i> , 2019 , 3, 835-842	3.8	41
120	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
119	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
118	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
117	Automated phase unwrapping in Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-4	3.5	4
116	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
115	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
114	Invariant features-based automated registration and montage for wide-field OCT angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 120-136	3.5	10
113	Automated detection of shadow artifacts in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 1514-1531	3.5	18
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	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

110	High dynamic range optical coherence tomography angiography (HDR-OCTA). <i>Biomedical Optics Express</i> , 2019 , 10, 3560-3571	3.5	10
109	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
108	75-degree non-mydratic single-volume optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2019 , 10, 6286-6295	3.5	9
107	Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. <i>Optics Letters</i> , 2019 , 44, 1431-1434	3	16
106	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
105	Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. <i>Ophthalmology Retina</i> , 2018 , 2, 816-826	3.8	20
104	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
103	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
102	Assessing total retinal blood flow in diabetic retinopathy using multiplane en face Doppler optical coherence tomography. <i>British Journal of Ophthalmology</i> , 2018 , 102, 126-130	5.5	11
101	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
100	Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. <i>Ophthalmology Retina</i> , 2018 , 2, 244-250	3.8	19
99	OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. <i>Ophthalmology Retina</i> , 2018 , 2, 329-336	3.8	34
98	Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , 2018 , 9, 2056-2067	3.5	22
97	Deep learning for the segmentation of preserved photoreceptors on optical coherence tomography in two inherited retinal diseases. <i>Biomedical Optics Express</i> , 2018 , 9, 3092-3105	3.5	17
96	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> , 2018 , 9, 3208-3219	3.5	19
95	Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography 2018 , 59, 2212-2221		67
94	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
93	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

92	Maximum value projection produces better OCT angiograms than mean value projection. <i>Biomedical Optics Express</i> , 2018 , 9, 6412-6424	3.5	18
91	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
90	Polarization-multiplexed, dual-beam swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2018 , 11, e201700303	3.1	1
89	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
88	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
87	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
86	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
85	Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography 2018 , 59, 4285-4291		20
84	A two-dimensional fingerprint nanoprobe based on black phosphorus for bio-SERS analysis and chemo-photothermal therapy. <i>Nanoscale</i> , 2018 , 10, 18795-18804	7.7	59
83	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
82	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
81	Extended axial imaging range, widefield swept source optical coherence tomography angiography. <i>Journal of Biophotonics</i> , 2017 , 10, 1464-1472	3.1	18
80	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
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> , 2017 , 8, 53-57	1.3	17
78	Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness 2017 , 58, 5188-5194		45
77	Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. <i>Ophthalmology Retina</i> , 2017 , 1, 294-303	3.8	55
76	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
75	Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. <i>Ophthalmology</i> , 2017 , 124, 1589-1599	7.3	150

74	Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. <i>Ophthalmology</i> , 2017 , 124, 197-204	7.3	51
73	Sonodynamic action of hypocrellin B triggers cell apoptosis of breast cancer cells involving caspase pathway. <i>Ultrasonics</i> , 2017 , 73, 154-161	3.5	22
72	Optische Kohlenzotomographie-Angiographie mit dem Optovue-System. <i>Karger Kompass Ophthalmologie</i> , 2017 , 3, 58-63	0	
71	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
70	Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 48-56	3.5	17
69	Hematocrit dependence of flow signal in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 776-789	3.5	11
68	Automated detection of dilated capillaries on optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 1101-1109	3.5	12
67	Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. <i>Biomedical Optics Express</i> , 2017 , 8, 1536-1548	3.5	57
66	Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2017 , 8, 3053-3066	3.5	31
65	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
64	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
63	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
62	Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. <i>Taiwan Journal of Ophthalmology</i> , 2017 , 7, 115-129	1.4	69
61	Quantitative optical coherence tomography angiography of the peripapillary circulation in glaucoma. <i>Annals of Eye Science</i> , 2017 , 2,	0.9	1
60	Calibration of optical coherence tomography angiography with a microfluidic chip. <i>Journal of Biomedical Optics</i> , 2016 , 21, 86015	3.5	20
59	Optical Coherence Tomography Angiography Using the Optovue Device. <i>Developments in Ophthalmology</i> , 2016 , 56, 6-12		90
58	Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 76010	3.5	18
57	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

56	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. <i>Retina</i> , 2016 , 36, 2339-2347	3.6	30
55	Optical Coherence Tomography Angiography in Choroideremia: Correlating Choriocapillaris Loss With Overlying Degeneration. <i>JAMA Ophthalmology</i> , 2016 , 134, 697-702	3.9	52
54	Optical coherence tomography angiography in pediatric choroidal neovascularization. <i>American Journal of Ophthalmology Case Reports</i> , 2016 , 2, 37-40	1.3	17
53	Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. <i>JAMA Ophthalmology</i> , 2016 , 134, 367-73	3.9	252
52	Optical coherence tomography angiography of non-exudative choroidal neovascularization. <i>Yan Ke Xue Bao = Eye Science</i> , 2016 , 31, 243-245		
51	Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography 2016 , 57, OCT141-5		10
50	Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography 2016 , 57, OCT526-32		60
49	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
48	Automated volumetric segmentation of retinal fluid on optical coherence tomography. <i>Biomedical Optics Express</i> , 2016 , 7, 1577-89	3.5	54
47	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
46	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
45	Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy 2016 , 57, 5101-5106		87
44	Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography 2016 , 57, 4485-92		60
43	Optical Coherence Tomography Angiography 2016 , 57, OCT27-36		219
42	Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study 2016 , 57, OCT204-10		54
41	Split-spectrum phase-gradient optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 2943-54	3.5	25
40	Optical Coherence Tomography Angiography Study of Choroidal Neovascularization Early Response after Treatment. <i>Developments in Ophthalmology</i> , 2016 , 56, 77-85		27
39	Projection-resolved optical coherence tomographic angiography. <i>Biomedical Optics Express</i> , 2016 , 7, 8163-28		234

38	Characterization of Choroidopathy Associated with Mitochondrial Trifunctional Protein Disorders: Long-Term Follow-up of 21 Cases. <i>Ophthalmology</i> , 2016 , 123, 2183-95	7.3	13
37	Optical coherence tomographic angiography of choroidal neovascularization associated with central serous chorioretinopathy. <i>JAMA Ophthalmology</i> , 2015 , 133, 1212-4	3.9	24
36	Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. <i>JAMA Ophthalmology</i> , 2015 , 133, 1045-52	3.9	418
35	En face Doppler total retinal blood flow measurement with 70 kHz spectral optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015 , 20, 066004	3.5	25
34	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
33	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
32	Spectral fractionation detection of gold nanorod contrast agents using optical coherence tomography. <i>Optics Express</i> , 2015 , 23, 4212-25	3.3	10
31	Clinical Applications of Doppler OCT and OCT Angiography 2015 , 1413-1428		0
30	Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 3564-76	3.5	83
29	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
28	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
27	OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. <i>Retina</i> , 2015 , 35, 2371-6	3.6	253
26	Macular perfusion in healthy Chinese: an optical coherence tomography angiogram study 2015 , 56, 3212-7		191
25	Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia 2015 , 56, 3287-91		94
24	Detecting Blood Flow Response to Stimulation of the Human Eye. <i>BioMed Research International</i> , 2015 , 2015, 121973	3	15
23	Noninvasive Ocular Angiography by Optical Coherence Tomography 2015 , 63-71		
22	Advanced image processing for optical coherence tomographic angiography of macular diseases. <i>Biomedical Optics Express</i> , 2015 , 6, 4661-75	3.5	100
21	Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. <i>British Journal of Ophthalmology</i> , 2014 , 98, 1368-73	5.5	173

20	Optical coherence tomography angiography of optic disc perfusion in glaucoma. <i>Ophthalmology</i> , 2014 , 121, 1322-32	7.3	498
19	Quantitative optical coherence tomography angiography of choroidal neovascularization in age-related macular degeneration. <i>Ophthalmology</i> , 2014 , 121, 1435-44	7.3	550
18	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
17	Parafoveal retinal vascular response to pattern visual stimulation assessed with OCT angiography. <i>PLoS ONE</i> , 2013 , 8, e81343	3.7	66
16	Quantitative OCT angiography of optic nerve head blood flow. <i>Biomedical Optics Express</i> , 2012 , 3, 3127-375	3.3	334
15	Split-spectrum amplitude-decorrelation angiography with optical coherence tomography. <i>Optics Express</i> , 2012 , 20, 4710-25	3.3	1250
14	Highly sensitive imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. <i>Biomedical Optics Express</i> , 2011 , 2, 1059-68	3.5	28
13	In vivo optical imaging of revascularization after brain trauma in mice. <i>Microvascular Research</i> , 2011 , 81, 73-80	3.7	32
12	Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds 2011 ,		1
11	Optical micro-angiography images structural and functional cerebral blood perfusion in mice with cranium left intact. <i>Journal of Biophotonics</i> , 2011 , 4, 57-63	3.1	20
10	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> , 2011 , 16, 086004	3.5	11
9	Optical microangiography provides an ability to monitor responses of cerebral microcirculation to hypoxia and hyperoxia in mice. <i>Journal of Biomedical Optics</i> , 2011 , 16, 096019	3.5	28
8	Responses of peripheral blood flow to acute hypoxia and hyperoxia as measured by optical microangiography. <i>PLoS ONE</i> , 2011 , 6, e26802	3.7	15
7	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> , 2010 , 3, 307-313	1.2	3
6	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> , 2010 , 15, 030510	3.5	16
5	Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice. <i>Journal of Neuroscience Methods</i> , 2010 , 194, 108-15	3	15
4	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> , 2009 , 14, 040505	3.5	21
3	Doppler optical microangiography improves the quantification of local fluid flow and shear stress within 3-D porous constructs. <i>Journal of Biomedical Optics</i> , 2009 , 14, 050504	3.5	3

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| 2 | Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds. <i>Journal of Biomedical Optics</i> , 2009 , 14, 034014 | 3-5 | 23 |
| 1 | Peripheral optical coherence tomography assisted by scleral depression in retinopathy of prematurity | | 1 |