

# Ruikang K Wang

## List of Publications by Year in descending order

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752  
papers

22,574  
citations

10351

72  
h-index

20307

116  
g-index

769  
all docs

769  
docs citations

769  
times ranked

11548  
citing authors

#	ARTICLE	IF	CITATIONS
1	BACILLARY LAYER DETACHMENT OVERLYING REDUCED CHORIOCAPILLARIS FLOW IN ACUTE IDIOPATHIC MACULOPATHY. <i>Retinal Cases and Brief Reports</i> , 2022, 16, 59-66.	0.3	23
2	Interocular asymmetry of choroidal thickness and vascularity index measurements in normal eyes assessed by swept-source optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 781-795.	1.1	8
3	Correlation Between Localized Choriocapillaris Perfusion and Macular Function in Eyes with Geographic Atrophy. <i>American Journal of Ophthalmology</i> , 2022, 234, 174-182.	1.7	7
4	An Update on the Hemodynamic Model of Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2022, 235, 291-299.	1.7	17
5	LIF, a mitogen for choroidal endothelial cells, protects the choriocapillaris: implications for prevention of geographic atrophy. <i>EMBO Molecular Medicine</i> , 2022, 14, e14511.	3.3	11
6	Optical Coherence Tomography Measurements of the Retinal Pigment Epithelium to Bruch Membrane Thickness Around Geographic Atrophy Correlate With Growth. <i>American Journal of Ophthalmology</i> , 2022, 236, 249-260.	1.7	17
7	Predicting the Onset of Exudation in Treatment-Naïve Eyes with Nonexudative Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2022, 6, 1-3.	1.2	10
8	Deep-learning approach for automated thickness measurement of epithelial tissue and scab using optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2022, 27, .	1.4	7
9	Editorial from the New Editor-in-Chief and the New Deputy Editor. <i>Biomedical Optics Express</i> , 2022, 13, 980.	1.5	0
10	Capillary density and caliber as assessed by optical coherence tomography angiography may be significant predictors of diabetic retinopathy severity. <i>PLoS ONE</i> , 2022, 17, e0262996.	1.1	5
11	Automatic geographic atrophy segmentation using optical attenuation in OCT scans with deep learning. <i>Biomedical Optics Express</i> , 2022, 13, 1328.	1.5	17
12	OCTA Derived Vessel Skeleton Density Versus Flux and Their Associations With Systemic Determinants of Health. , 2022, 63, 19.		11
13	Choriocapillaris Changes in Myopic Macular Degeneration. <i>Translational Vision Science and Technology</i> , 2022, 11, 37.	1.1	7
14	Vitreous opacities in infants born full-term and preterm by handheld swept-source optical coherence tomography. <i>Journal of AAPOS</i> , 2022, 26, 20.e1-20.e7.	0.2	5
15	A versatile toolbox for studying cortical physiology in primates. <i>Cell Reports Methods</i> , 2022, 2, 100183.	1.4	5
16	Probing elastic anisotropy of human skin in vivo with light using non-contact acoustic micro-tapping OCE and polarization sensitive OCT. <i>Scientific Reports</i> , 2022, 12, 3963.	1.6	14
17	LONGITUDINAL ANALYSIS OF DIABETIC CHOROIDOPATHY IN PROLIFERATIVE DIABETIC RETINOPATHY TREATED WITH PANRETINAL PHOTOCOAGULATION USING WIDEFIELD SWEEP-SOURCE OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2022, 42, 417-425.	1.0	8
18	Intrasession Repeatability and Intersession Reproducibility of Macular Vessel Parameters on Optical Coherence Tomography Angiography in Glaucomatous and Non-Glaucomatous Eyes. <i>Current Eye Research</i> , 2022, 47, 1068-1076.	0.7	3

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19	Mitigating the effects of choroidal hyper- and hypo-transmission defects on choroidal vascularity index assessments using optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2932-2946.	1.1	5
20	Trabecular Meshwork Motion Profile from Pulsatile Pressure Transients: A New Platform to Simulate Transitory Responses in Humans and Nonhuman Primates. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11.	1.3	9
21	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgeryâ€MIGS-Like Platform and Optical Coherence Tomography Imaging. <i>Frontiers in Medicine</i> , 2022, 9, 815866.	1.2	6
22	Swept-Source Optical Coherence Tomography Detection of Bruchâ€™s Membrane and Choriocapillaris Abnormalities in Sorsby Macular Dystrophy. <i>Retina</i> , 2022, Publish Ahead of Print, .	1.0	3
23	Intraoral optical coherence tomography and angiography combined with autofluorescence for dental assessment. <i>Biomedical Optics Express</i> , 2022, 13, 3629.	1.5	5
24	Modeling the biomechanics of the conventional aqueous outflow pathway microstructure in the human eye. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106922.	2.6	7
25	Biomechanics of human trabecular meshwork in healthy and glaucoma eyes via dynamic Schlemm's canal pressurization. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106921.	2.6	14
26	Correlation Between Laser Speckle Flowgraphy and OCT-Derived Retinal and Choroidal Metrics in Healthy Human Eye. <i>Translational Vision Science and Technology</i> , 2022, 11, 15.	1.1	2
27	Probing Elastic Anisotropy in Human Skin in vivo with Acoustic micro-tapping OCE and Polarization-sensitive OCT. , 2022, , .		0
28	Non-contact Measurement of Corneal Elastic Anisotropy Using a Nearly-incompressible Transverse Isotropic Model and Acoustic micro-tapping OCE. , 2022, , .		0
29	Local axis orientation mapped by polarization sensitive optical coherence tomography provides a unique contrast to identify caries lesions in enamel. <i>Biomedical Optics Express</i> , 2022, 13, 4247.	1.5	5
30	Depth-resolved visualization and automated quantification of hyperreflective foci on OCT scans using optical attenuation coefficients. <i>Biomedical Optics Express</i> , 2022, 13, 4175.	1.5	9
31	Aqueous outflow regulation â€“ 21st century concepts. <i>Progress in Retinal and Eye Research</i> , 2021, 83, 100917.	7.3	42
32	Intrasession repeatability and intersession reproducibility of peripapillary OCTA vessel parameters in non-glaucomatous and glaucomatous eyes. <i>British Journal of Ophthalmology</i> , 2021, 105, 1534-1541.	2.1	24
33	OCTâ€Based Angiography and Surface Topography in Burnâ€Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 849-860.	1.1	8
34	Guidelines for Imaging the Choriocapillaris Using OCT Angiography. <i>American Journal of Ophthalmology</i> , 2021, 222, 92-101.	1.7	72
35	Multimodal Imaging Features and Clinical Relevance of Subretinal Lipid Globules. <i>American Journal of Ophthalmology</i> , 2021, 222, 112-125.	1.7	8
36	Abnormal retinal capillary blood flow in autosomal dominant Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12162.	1.2	7

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37	Choroidal Thickness by Handheld Swept-Source Optical Coherence Tomography in Term Newborns. <i>Translational Vision Science and Technology</i> , 2021, 10, 27.	1.1	6
38	Imaging human skin autograft integration with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 784-796.	1.1	15
39	Effects of Schlemm's Canal Expansion: Biomechanics and MIGS Implications. <i>Life</i> , 2021, 11, 176.	1.1	6
40	In vivo elasticity mapping in human skin with AuT-based OCE. , 2021, , .		0
41	Robust non-contact peripheral oxygenation saturation measurement using smartphone-enabled imaging photoplethysmography. <i>Biomedical Optics Express</i> , 2021, 12, 1746.	1.5	19
42	Abstract P791: A Lesion-Based Toolbox to Study Ischemic Stroke in Primates. <i>Stroke</i> , 2021, 52, .	1.0	0
43	Multi-modal artificial dura for simultaneous large-scale optical access and large-scale electrophysiology in non-human primate cortex. <i>Journal of Neural Engineering</i> , 2021, 18, 055006.	1.8	14
44	Nearly-incompressible transverse isotropy in the cornea: comparing mechanical tests with acoustic micro-tapping based optical coherence elastography. , 2021, , .		0
45	Swept source OCTA reveals a link between choriocapillaris blood flow and vision loss in a case of tubercular serpiginous-like choroiditis. <i>American Journal of Ophthalmology Case Reports</i> , 2021, 21, 101018.	0.4	6
46	Correlations Between Choriocapillaris and Choroidal Measurements and the Growth of Geographic Atrophy Using Swept Source OCT Imaging. <i>American Journal of Ophthalmology</i> , 2021, 224, 321-331.	1.7	40
47	Innovative Optical Technologies in Ophthalmology and Eye Research. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2021, 37, 142-142.	0.6	0
48	Role of endothelium-pericyte signaling in capillary blood flow response to neuronal activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1873-1885.	2.4	19
49	Differences in cerebral blood vasculature and flow in awake and anesthetized mouse cortex revealed by quantitative optical coherence tomography angiography. <i>Journal of Neuroscience Methods</i> , 2021, 353, 109094.	1.3	15
50	Spatiotemporal monitoring of changes in oxy/deoxy-hemoglobin concentration and blood pulsation on human skin using smartphone-enabled remote multispectral photoplethysmography. <i>Biomedical Optics Express</i> , 2021, 12, 2919.	1.5	5
51	Smartphone-enabled snapshot multispectral autofluorescence imaging and its application for bacteria assessments in skin and oral cavity. <i>Optics and Lasers in Engineering</i> , 2021, 140, 106546.	2.0	8
52	Topographic Quadrant Analysis of Peripapillary Superficial Microvasculature in Optic Disc Drusen. <i>Frontiers in Neurology</i> , 2021, 12, 666359.	1.1	7
53	Application of OCT-Derived Attenuation Coefficient in Acute Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 1192-1200.	1.1	14
54	Swept-Source OCT Angiographic Characteristics of Treatment-Naïve Nonexudative Macular Neovascularization in AMD Prior to Exudation. , 2021, 62, 14.		16

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55	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. <i>Biomedical Optics Express</i> , 2021, 12, 4573.	1.5	11
56	Hemiretinal Asymmetry in Peripapillary Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. <i>American Journal of Ophthalmology</i> , 2021, 230, 156-165.	1.7	8
57	Three-dimensional segmentation and depth-encoded visualization of choroidal vasculature using swept-source optical coherence tomography. <i>Experimental Biology and Medicine</i> , 2021, 246, 2238-2245.	1.1	8
58	Expression and Pathogenic Analysis of Integrin Family Genes in Systemic Sclerosis. <i>Frontiers in Medicine</i> , 2021, 8, 674523.	1.2	4
59	The disposable bandage soft contact lenses therapy and anterior segment optical coherence tomography for management of ocular graft-versus-host disease. <i>BMC Ophthalmology</i> , 2021, 21, 271.	0.6	5
60	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2021, 128, 1109-1112.	2.5	16
61	Longer Axial Length Potentiates Relationship of Intraocular Pressure and Peripapillary Vessel Density in Glaucoma Patients. , 2021, 62, 37.		4
62	Vitreous opacities in full-term and preterm infants by handheld swept source optical coherence tomography. <i>Journal of AAPOS</i> , 2021, 25, e68.	0.2	0
63	Optical Coherence Tomography Angiographyâ€œDerived Flux As a Measure of Physiological Changes in Retinal Capillary Blood Flow. <i>Translational Vision Science and Technology</i> , 2021, 10, 5.	1.1	12
64	A novel automatic <sc>3D</sc> stitching algorithm for optical coherence tomography angiography and its application in dermatology. <i>Journal of Biophotonics</i> , 2021, 14, e202100152.	1.1	8
65	Gingivitis resolution followed by optical coherence tomography and fluorescence imaging: A case study. <i>Journal of Biophotonics</i> , 2021, 14, e202100191.	1.1	0
66	Delineating Corneal Elastic Anisotropy in a Porcine Model Using Noncontact OCT Elastography and ExÂVivo Mechanical Tests. <i>Ophthalmology Science</i> , 2021, 1, 100058.	1.0	10
67	Steps to Measurement Floor of an Optical Microangiography Device in Glaucoma. <i>American Journal of Ophthalmology</i> , 2021, 231, 58-69.	1.7	7
68	Automated Quantification of Choriocapillaris Lesion Area in Patients With Posterior Uveitis. <i>American Journal of Ophthalmology</i> , 2021, 231, 179-193.	1.7	4
69	Imaging the brain and its vasculature in aging. , 2021, , 153-162.		0
70	Optical Coherence Tomography for the Investigation of Skin Adaptation in Lower-Limb Prosthesis Users. <i>Journal of Prosthetics and Orthotics</i> , 2021, 33, 255-265.	0.2	5
71	1700 nm broadband laser source enables deep brain optical biopsy. <i>Light: Science and Applications</i> , 2021, 10, 205.	7.7	3
72	Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of OCT Data. <i>Ophthalmology Science</i> , 2021, 1, 100069.	1.0	40

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73	Comment on "Outer Retinal Layer Thickening Predicts the Onset of Exudative Neovascular Age-Related Macular Degeneration"; American Journal of Ophthalmology, 2021, , .	1.7	0
74	Ocular and systemic determinants of perifoveal and macular vessel parameters in healthy African Americans. British Journal of Ophthalmology, 2021, , bjophthalmol-2021-319675.	2.1	5
75	Polarization sensitive optical coherence tomography with single input for imaging depth-resolved collagen organizations. Light: Science and Applications, 2021, 10, 237.	7.7	24
76	Removing dynamic distortions from laser speckle flowgraphy using Eigen-decomposition and spatial filtering. Journal of Biophotonics, 2021, , e202100294.	1.1	4
77	Choroidal Changes in Eyes With Polypoidal Choroidal Vasculopathy After Anti-VEGF Therapy Imaged With Swept-Source OCT Angiography. , 2021, 62, 5.		16
78	PARACENTRAL ACUTE MIDDLE MACULOPATHY ASSOCIATED WITH BILATERAL OPTIC DISK SWELLING AND MENINGITIS. Retinal Cases and Brief Reports, 2020, 14, 157-162.	0.3	10
79	Correlations Between Different Choriocapillaris Flow Deficit Parameters in Normal Eyes Using Swept Source OCT Angiography. American Journal of Ophthalmology, 2020, 209, 18-26.	1.7	19
80	Ultra-Widefield Protocol Enhances Automated Classification of Diabetic Retinopathy Severity with OCT Angiography. Ophthalmology Retina, 2020, 4, 415-424.	1.2	32
81	Age-Related Changes in Choroidal Thickness and the Volume of Vessels and Stroma Using Swept-Source OCT and Fully Automated Algorithms. Ophthalmology Retina, 2020, 4, 204-215.	1.2	86
82	Macular microvascular parameters in the ganglion cell-inner plexiform layer derived by optical coherence tomography angiography: Vascular structure-central visual function analysis. PLoS ONE, 2020, 15, e0240111.	1.1	4
83	Quantifying Subclinical and Longitudinal Microvascular Changes Following Episcleral Plaque Brachytherapy Using Spectral Domain Optical Coherence Tomography Angiography. Journal of Vitreoretinal Diseases, 2020, 4, 499-508.	0.2	11
84	The impact of native leptomeningeal collateralization on rapid blood flow recruitment following ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2165-2178.	2.4	13
85	Validation of a Compensation Strategy Used to Detect Choriocapillaris Flow Deficits Under Drusen With Swept Source OCT Angiography. American Journal of Ophthalmology, 2020, 220, 115-127.	1.7	13
86	Nearly-incompressible transverse isotropy (NITI) of cornea elasticity: model and experiments with acoustic micro-tapping OCE. Scientific Reports, 2020, 10, 12983.	1.6	60
87	Automated vessel diameter quantification and vessel tracing for OCT angiography. Journal of Biophotonics, 2020, 13, e202000248.	1.1	7
88	Clinical Utility of Triplicate En Face Image Averaging for Optical Coherence Tomography Angiography in Glaucoma and Glaucoma Suspects. Journal of Glaucoma, 2020, 29, 823-830.	0.8	5
89	Impaired layer specific retinal vascular reactivity among diabetic subjects. PLoS ONE, 2020, 15, e0233871.	1.1	11
90	Reduced Pulsatile Trabecular Meshwork Motion in Eyes With Primary Open Angle Glaucoma Using Phase-Sensitive Optical Coherence Tomography. , 2020, 61, 21.		24

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91	Retinal Capillary Nonperfusion on OCT-Angiography and Its Relationship to Kidney Function in Patients with Diabetes. <i>Journal of Ophthalmology</i> , 2020, 2020, 1-9.	0.6	5
92	Retinal capillary perfusion in autosomal dominant Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e045662.	0.4	0
93	Quantitative Analysis of the Choriocapillaris in Uveitis Using En Face Swept-Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2020, 218, 17-27.	1.7	19
94	Vision Loss in Optic Disc Drusen Correlates With Increased Macular Vessel Diameter and Flux and Reduced Peripapillary Vascular Density. <i>American Journal of Ophthalmology</i> , 2020, 218, 214-224.	1.7	17
95	Mean-Subtraction Method for De-Shadowing of Tail Artifacts in Cerebral OCTA Images: A Proof of Concept. <i>Materials</i> , 2020, 13, 2024.	1.3	12
96	Guided vascularization in the rat heart leads to transient vessel patterning. <i>APL Bioengineering</i> , 2020, 4, 016105.	3.3	7
97	Noninvasive multimodal imaging by integrating optical coherence tomography with autofluorescence imaging for dental applications. <i>Journal of Biophotonics</i> , 2020, 13, e202000026.	1.1	6
98	Microvascular Changes in the Choriocapillaris of Diabetic Patients Without Retinopathy Investigated by Swept-Source OCT Angiography. , 2020, 61, 50.		51
99	Enhanced spatial resolution for snapshot hyperspectral imaging of blood perfusion and melanin information within human tissue. <i>Journal of Biophotonics</i> , 2020, 13, e202000019.	1.1	7
100	A feasibility study of OCT for anatomical and vascular phenotyping of mouse embryo. <i>Journal of Biophotonics</i> , 2020, 13, e201960225.	1.1	3
101	Quantification of Choriocapillaris with Phansalkar Local Thresholding: Pitfalls to Avoid. <i>American Journal of Ophthalmology</i> , 2020, 213, 161-176.	1.7	74
102	Optical coherence tomography for the investigation of skin adaptation to mechanical stress. <i>Skin Research and Technology</i> , 2020, 26, 627-638.	0.8	6
103	93 Optical Coherence Tomography: A New Imaging Technique for Burn Injuries. <i>Journal of Burn Care and Research</i> , 2020, 41, S61-S61.	0.2	0
104	OCT Angiography to Predict Geographic Atrophy Progression using Choriocapillaris Flow Void as a Biomarker. <i>Translational Vision Science and Technology</i> , 2020, 9, 6.	1.1	13
105	Hyperspectral imaging enabled by an unmodified smartphone for analyzing skin morphological features and monitoring hemodynamics. <i>Biomedical Optics Express</i> , 2020, 11, 895.	1.5	41
106	Measurement and visualization of stimulus-evoked tissue dynamics in mouse barrel cortex using phase-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2020, 11, 699.	1.5	9
107	Automated morphometric measurement of the retinal pigment epithelium complex and choriocapillaris using swept source OCT. <i>Biomedical Optics Express</i> , 2020, 11, 1834.	1.5	11
108	Procedure and protocols for optical imaging of cerebral blood flow and hemodynamics in awake mice. <i>Biomedical Optics Express</i> , 2020, 11, 3288.	1.5	11



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109	Semi-automated registration and segmentation for gingival tissue volume measurement on 3D OCT images. Biomedical Optics Express, 2020, 11, 4536.	1.5	7
110	Relative retinal flow velocity detection using optical coherence tomography angiography imaging. Biomedical Optics Express, 2020, 11, 6710.	1.5	13
111	Handheld swept-source optical coherence tomography guided by smartphone-enabled wide-field autofluorescence photography for imaging facial sebaceous glands. Optics Letters, 2020, 45, 5704.	1.7	6
112	Quantitative assessment of choriocapillaris flow deficits in diabetic retinopathy: A swept-source optical coherence tomography angiography study. PLoS ONE, 2020, 15, e0243830.	1.1	18
113	Impact of ocular magnification on retinal and choriocapillaris blood flow quantification in myopia with swept-source optical coherence tomography angiography. Quantitative Imaging in Medicine and Surgery, 2020, 11, 948-956.	1.1	20
114	Profound Presentation of Retinopathy in a Patient with Sickle Cell trait and Diabetes Mellitus. Journal of Ophthalmic and Vision Research, 2020, 15, 116-117.	0.7	1
115	Quantitative Handheld Swept-Source Optical Coherence Tomography Angiography in Awake Preterm and Full-Term Infants. Translational Vision Science and Technology, 2020, 9, 19.	1.1	20
116	OCTA in Glaucoma. Essentials in Ophthalmology, 2020, , 47-57.	0.0	0
117	Visualization of OCT signal pulsatility at variable tissue depth with optical microangiography. , 2020, , .		0
118	Integration of light-induced autofluorescence and optical coherence tomography for dental applications (Conference Presentation). , 2020, , .		0
119	Robust three-dimensional registration on optical coherence tomography angiography for speckle reduction and visualization. Quantitative Imaging in Medicine and Surgery, 2020, 11, 879-894.	1.1	11
120	AI-driven Dynamic OCE: Review of Recent Progress (Conference Presentation). , 2020, , .		0
121	An anisotropic model for evaluation of corneal elasticity in dynamic OCE (Conference Presentation). , 2020, , .		0
122	Optical coherence tomography angiography measures blood pulsatile waveforms at variable tissue depths. Quantitative Imaging in Medicine and Surgery, 2020, 11, 907-917.	1.1	4
123	Optical coherence tomography angiography distortion correction in widefield montage images. Quantitative Imaging in Medicine and Surgery, 2020, 11, 928-938.	1.1	6
124	Polarization sensitive optical coherence tomography for imaging microvascular information within living tissue without polarization-induced artifacts. Biomedical Optics Express, 2020, 11, 6379.	1.5	12
125	Polarization state tracing method to map local birefringent properties in samples using polarization sensitive optical coherence tomography. Biomedical Optics Express, 2020, 11, 6852.	1.5	10
126	Stable fiber-based polarization-sensitive optical coherence tomography using polarization maintaining common-path interferometer. Journal of Biomedical Optics, 2020, 25, .	1.4	3



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127	Optical microangiography reveals temporal and depth-resolved hemodynamic change in mouse barrel cortex during whisker stimulation. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	1
128	Mapping and Quantitating Penetrating Vessels in Cortical Brain Using Eigen-Decomposition of OCT Signals and Subsequent Principal Component Analysis. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-9.	1.9	3
129	Optical coherence tomography correlates multiple measures of tissue damage following acute burn injury. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 731-741.	1.1	9
130	Revealing the morphology and function of the cochlea and middle ear with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 858-881.	1.1	12
131	Quantification of Choriocapillaris with Optical Coherence Tomography Angiography: A Comparison Study. <i>American Journal of Ophthalmology</i> , 2019, 208, 111-123.	1.7	64
132	Ocular Determinants of Peripapillary Vessel Density in Healthy African Americans: The African American Eye Disease Study. , 2019, 60, 3368.		17
133	A Practical Method for Creating Targeted Focal Ischemic Stroke in the Cortex of Nonhuman Primates. , 2019, 2019, 3515-3518.		10
134	Super-shear evanescent waves for non-contact elastography of soft tissues. <i>Applied Physics Letters</i> , 2019, 115, 083701.	1.5	16
135	Recovery of Arsenic from Arsenic-Bearing Cobalt/Nickel Residue Using Sodium Persulfate. <i>Jom</i> , 2019, 71, 3682-3687.	0.9	2
136	Handheld swept-source optical coherence tomography with angiography in awake premature neonates. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1495-1502.	1.1	29
137	&lt;p&gt;Quantifying choriocapillaris hypoperfusion in patients with choroidal neovascularization using swept-source OCT angiography&lt;/p&gt;. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 1613-1620.	0.9	12
138	Monitoring Acute Stroke Progression: Multi-Parametric OCT Imaging of Cortical Perfusion, Flow, and Tissue Scattering in a Mouse Model of Permanent Focal Ischemia. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1427-1437.	5.4	36
139	Pericyte constriction underlies capillary derecruitment during hyperemia in the setting of arterial stenosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H255-H263.	1.5	18
140	Two-Year Risk of Exudation in Eyes with Nonexudative Age-Related Macular Degeneration and Subclinical Neovascularization Detected with Swept Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2019, 208, 1-11.	1.7	57
141	Systemic Determinants of Peripapillary Vessel Density in Healthy African Americans: The African American Eye Disease Study. <i>American Journal of Ophthalmology</i> , 2019, 207, 240-247.	1.7	31
142	Impaired Retinal Vascular Reactivity in Diabetic Retinopathy as Assessed by Optical Coherence Tomography Angiography. , 2019, 60, 2468.		27
143	The evaluation of spontaneous Descemetâ€™s membrane reattachment using swept-source optical coherence tomography: a case report. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 535-536.	1.1	0
144	Familial retinal arteriolar tortuosity and quantification of vascular tortuosity using swept-source optical coherence tomography angiography. <i>American Journal of Ophthalmology Case Reports</i> , 2019, 14, 74-78.	0.4	16

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145	Dynamic imaging and quantification of subcellular motion with eigenâ€decomposition optical coherence tomographyâ€based variance analysis. <i>Journal of Biophotonics</i> , 2019, 12, e201900076.	1.1	2
146	Correlating Changes in the Macular Microvasculature and Capillary Network to Peripheral Vascular Pathologic Features in Familial Exudative Vitreoretinopathy. <i>Ophthalmology Retina</i> , 2019, 3, 597-606.	1.2	19
147	Quantitative evaluation of primary retinitis pigmentosa patients using colour Doppler flow imaging and optical coherence tomography angiography. <i>Acta Ophthalmologica</i> , 2019, 97, e993-e997.	0.6	26
148	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence. <i>Scientific Reports</i> , 2019, 9, 5694.	1.6	61
149	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , 2019, 10, 584.	5.8	100
150	Microvascular imaging of the skin. <i>Physics in Medicine and Biology</i> , 2019, 64, 07TR01.	1.6	61
151	Correlations between Choriocapillaris Flow Deficits around Geographic Atrophy and Enlargement Rates Based on Swept-Source OCT Imaging. <i>Ophthalmology Retina</i> , 2019, 3, 478-488.	1.2	90
152	Effect of Scan Size on Glaucoma Diagnostic Performance Using OCT Angiography En Face Images of the Radial Peripapillary Capillaries. <i>Journal of Glaucoma</i> , 2019, 28, 465-472.	0.8	20
153	Cone Structure Persists Beyond Margins of Short-Wavelength Autofluorescence in Choroideremia. , 2019, 60, 4931.		13
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