# Yali Jia

List of Publications by Year
in descending order



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|---|---|---|---|
| 177 papers | 11,778 citations | 76196 40 h-index | 33814 99 g-index |
| 181 all docs | 181 docs citations | 181 times ranked | 5692 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 | 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 |
| 5 | Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. JAMA Ophthalmology, 2015, 133, 1045. | 1.4 | 556 |
| 6 | Quantitative OCT angiography of optic nerve head blood flow. Biomedical Optics Express, 2012, 3, 3127. | 1.5 | 412 |
| 7 | OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FEATURES OF DIABETIC RETINOPATHY. Retina, 2015, 35, 2371-2376. | 1.0 | 324 |
| 8 | Automated Quantification of Capillary Nonperfusion Using Optical Coherence Tomography Angiography in Diabetic Retinopathy. JAMA Ophthalmology, 2016, 134, 367. | 1.4 | 319 |
| 9 | Projection-resolved optical coherence tomographic angiography. Biomedical Optics Express, 2016, 7, 816. | 1.5 | 285 |
| 10 | Optical Coherence Tomography Angiography. , 2016, 57, OCT27. | | 283 |
| 11 | Macular Perfusion in Healthy Chinese: An Optical Coherence Tomography Angiogram Study. , 2015, 56, 3212. | | 230 |
| 12 | Projection-Resolved Optical Coherence Tomography Angiography of Macular Retinal Circulation in Glaucoma. Ophthalmology, 2017, 124, 1589-1599. | 2.5 | 215 |
| 13 | Optical coherence tomography angiography of optic nerve head and parafovea in multiple sclerosis. British Journal of Ophthalmology, 2014, 98, 1368-1373. | 2.1 | 213 |
| 14 | Blood flow velocity quantification using split-spectrum amplitude-decorrelation angiography with optical coherence tomography. Biomedical Optics Express, 2013, 4, 1909. | 1.5 | 203 |
| 15 | Visualization of 3 Distinct Retinal Plexuses by Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. JAMA Ophthalmology, 2016, 134, 1411. | 1.4 | 164 |
| 16 | DETECTION OF NONEXUDATIVE CHOROIDAL NEOVASCULARIZATION IN AGE-RELATED MACULAR DEGENERATION WITH OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2015, 35, 2204-2211. | 1.0 | 142 |
| 17 | Optical Coherence Tomography Angiography Using the Optovue Device. Developments in Ophthalmology, 2016, 56, 6-12. | 0.1 | 129 |
| 18 | OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF TIME COURSE OF CHOROIDAL NEOVASCULARIZATION IN RESPONSE TO ANTI-ANGIOGENIC TREATMENT. Retina, 2015, 35, 2260-2264. | 1.0 | 125 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Advanced image processing for optical coherence tomographic angiography of macular diseases. Biomedical Optics Express, 2015, 6, 4661. | 1.5 | 122 |
| 20 | Optimization of the split-spectrum amplitude-decorrelation angiography algorithm on a spectral optical coherence tomography system. Optics Letters, 2015, 40, 2305. | 1.7 | 112 |
| 21 | Automated Quantification of Nonperfusion in Three Retinal Plexuses Using Projection-Resolved Optical Coherence Tomography Angiography in Diabetic Retinopathy. , 2016, 57, 5101. | | 106 |
| 22 | Optical Coherence Tomography Angiography of Peripapillary Retinal Blood Flow Response to Hyperoxia. , 2015, 56, 3287. | | 105 |
| 23 | Optical coherence tomography angiography: Technical principles and clinical applications in ophthalmology. Taiwan Journal of Ophthalmology, 2017, 7, 115. | 0.3 | 105 |
| 24 | 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 |
| 25 | Automated choroidal neovascularization detection algorithm for optical coherence tomography angiography. Biomedical Optics Express, 2015, 6, 3564. | 1.5 | 96 |
| 26 | Evaluation of Automatically Quantified Foveal Avascular Zone Metrics for Diagnosis of Diabetic Retinopathy Using Optical Coherence Tomography Angiography. , 2018, 59, 2212. | | 94 |
| 27 | 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 |
| 28 | A two-dimensional fingerprint nanoprobe based on black phosphorus for bio-SERS analysis and chemo-photothermal therapy. Nanoscale, 2018, 10, 18795-18804. | 2.8 | 86 |
| 29 | Parafoveal Retinal Vascular Response to Pattern Visual Stimulation Assessed with OCT Angiography. PLoS ONE, 2013, 8, e81343. | 1.1 | 80 |
| 30 | Automated volumetric segmentation of retinal fluid on optical coherence tomography. Biomedical Optics Express, 2016, 7, 1577. | 1.5 | 77 |
| 31 | Compensation for Reflectance Variation in Vessel Density Quantification by Optical Coherence Tomography Angiography. , 2016, 57, 4485. | | 77 |
| 32 | Reflectance-based projection-resolved optical coherence tomography angiography [Invited]. Biomedical Optics Express, 2017, 8, 1536. | 1.5 | 76 |
| 33 | 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 |
| 34 | Evaluating Polypoidal Choroidal Vasculopathy With Optical Coherence Tomography Angiography. , 2016, 57, OCT526. | | 75 |
| 35 | Sensitivity and Specificity of OCT Angiography to Detect Choroidal Neovascularization. Ophthalmology Retina, 2017, 1, 294-303. | 1.2 | 71 |
| 36 | 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 |

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| 37 | MEDnet, a neural network for automated detection of avascular area in OCT angiography. Biomedical Optics Express, 2018, 9, 5147. | 1.5 | 70 |
| 38 | Optical Coherence Tomography Angiography of the Peripapillary Retina in Primary Angle-Closure Glaucoma. American Journal of Ophthalmology, 2017, 182, 194-200. | 1.7 | 69 |
| 39 | Relationship Between Retinal Perfusion and Retinal Thickness in Healthy Subjects: An Optical Coherence Tomography Angiography Study. , 2016, 57, OCT204. | | 67 |
| 40 | Optical Coherence Tomography Angiography Characteristics of Iris Melanocytic Tumors. Ophthalmology, 2017, 124, 197-204. | 2.5 | 67 |
| 41 | Automated motion correction using parallel-strip registration for wide-field en face OCT angiogram. Biomedical Optics Express, 2016, 7, 2823. | 1.5 | 66 |
| 42 | Optical Coherence Tomography Angiography in Choroideremia. JAMA Ophthalmology, 2016, 134, 697. | 1.4 | 62 |
| 43 | Signal Strength Reduction Effects in OCT Angiography. Ophthalmology Retina, 2019, 3, 835-842. | 1.2 | 59 |
| 44 | Wide-Field OCT Angiography Investigation of the Relationship Between Radial Peripapillary Capillary Plexus Density and Nerve Fiber Layer Thickness. , 2017, 58, 5188. | | 58 |
| 45 | Artificial intelligence in OCT angiography. Progress in Retinal and Eye Research, 2021, 85, 100965. | 7.3 | 54 |
| 46 | Automated diagnosis and segmentation of choroidal neovascularization in OCT angiography using deep learning. Biomedical Optics Express, 2020, 11, 927. | 1.5 | 51 |
| 47 | DETECTION OF CLINICALLY UNSUSPECTED RETINAL NEOVASCULARIZATION WITH WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY. Retina, 2020, 40, 891-897. | 1.0 | 50 |
| 48 | 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 |
| 49 | Detection of Nonexudative Choroidal Neovascularization and Progression to Exudative Choroidal Neovascularization Using OCT Angiography. Ophthalmology Retina, 2019, 3, 629-636. | 1.2 | 46 |
| 50 | Retinal capillary oximetry with visible light optical coherence tomography. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11658-11666. | 3.3 | 45 |
| 51 | Development and validation of a deep learning algorithm for distinguishing the nonperfusion area from signal reduction artifacts on OCT angiography. Biomedical Optics Express, 2019, 10, 3257. | 1.5 | 45 |
| 52 | Projection-Resolved Optical Coherence Tomography Angiography of the Peripapillary Retina in Glaucoma. American Journal of Ophthalmology, 2019, 207, 99-109. | 1.7 | 44 |
| 53 | High-speed and widefield handheld swept-source OCT angiography with a VCSEL light source. Biomedical Optics Express, 2021, 12, 3553. | 1.5 | 43 |
| 54 | OCT Angiography Changes in the 3 Parafoveal Retinal Plexuses in Response to Hyperoxia. Ophthalmology Retina, 2018, 2, 329-336. | 1.2 | 42 |

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|---|---|---|---|
| 55 | Reconstruction of high-resolution 6Ã—6-mm OCT angiograms using deep learning. Biomedical Optics Express, 2020, 11, 3585. | 1.5 | 42 |
| 56 | Regression-based algorithm for bulk motion subtraction in optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 3053. | 1.5 | 40 |
| 57 | Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of OCT Data. Ophthalmology Science, 2021, 1, 100069. | 1.0 | 40 |
| 58 | DcardNet: Diabetic Retinopathy Classification at Multiple Levels Based on Structural and Angiographic Optical Coherence Tomography. IEEE Transactions on Biomedical Engineering, 2021, 68, 1859-1870. | 2.5 | 38 |
| 59 | OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF CHOROIDAL NEOVASCULARIZATION IN FOUR INHERITED RETINAL DYSTROPHIES. Retina, 2016, 36, 2339-2347. | 1.0 | 37 |
| 60 | Automated Segmentation of Retinal Fluid Volumes From Structural and Angiographic Optical Coherence Tomography Using Deep Learning. Translational Vision Science and Technology, 2020, 9, 54. | 1.1 | 37 |
| 61 | Optical Coherence Tomography Angiography Study of Choroidal Neovascularization Early Response after Treatment. Developments in Ophthalmology, 2016, 56, 77-85. | 0.1 | 36 |
| 62 | In vivo optical imaging of revascularization after brain trauma in mice. Microvascular Research, 2011, 81, 73-80. | 1.1 | 35 |
| 63 | Reduced Retinal Vessel Density in Primary Angle Closure Glaucoma: A Quantitative Study Using Optical Coherence Tomography Angiography. Journal of Glaucoma, 2018, 27, 322-327. | 0.8 | 35 |
| 64 | Optical microangiography provides an ability to monitor responses of cerebral microcirculation to hypoxia and hyperoxia in mice. Journal of Biomedical Optics, 2011, 16, 096019. | 1.4 | 34 |
| 65 | Automated registration and enhanced processing of clinical optical coherence tomography angiography. Quantitative Imaging in Medicine and Surgery, 2016, 6, 391-401. | 1.1 | 33 |
| 66 | Highly sensitive imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. Biomedical Optics Express, 2011, 2, 1059. | 1.5 | 32 |
| 67 | Split-spectrum phase-gradient optical coherence tomography angiography. Biomedical Optics Express, 2016, 7, 2943. | 1.5 | 32 |
| 68 | Correlation of Outer Retinal Degeneration and Choriocapillaris Loss in Stargardt Disease Using En Face Optical Coherence Tomography and Optical Coherence Tomography Angiography. American Journal of Ophthalmology, 2019, 202, 79-90. | 1.7 | 32 |
| 69 | Optical Coherence Tomographic Angiography of Choroidal Neovascularization Associated With Central Serous Chorioretinopathy. JAMA Ophthalmology, 2015, 133, 1212. | 1.4 | 30 |
| 70 | Interchangeability and reliability of macular perfusion parameter measurements using optical coherence tomography angiography. British Journal of Ophthalmology, 2017, 101, 1542-1549. | 2.1 | 30 |
| 71 | Sonodynamic action of hypocrellin B triggers cell apoptoisis of breast cancer cells involving caspase pathway. Ultrasonics, 2017, 73, 154-161. | 2.1 | 30 |
| 72 | Projection-Resolved Optical Coherence Tomographic Angiography of Retinal Plexuses in Retinitis Pigmentosa. American Journal of Ophthalmology, 2019, 204, 70-79. | 1.7 | 30 |

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| 73 | AI-based monitoring of retinal fluid in disease activity and under therapy. Progress in Retinal and Eye Research, 2022, 86, 100972. | 7.3 | 30 |
| 74 | Artifacts and artifact removal in optical coherence tomographic angiography. Quantitative Imaging in Medicine and Surgery, 2020, 11, 1120-1133. | 1.1 | 30 |
| 75 | En faceDoppler total retinal blood flow measurement with 70ÂkHz spectral optical coherence tomography. Journal of Biomedical Optics, 2015, 20, 066004. | 1.4 | 29 |
| 76 | Automated spectroscopic retinal oximetry with visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 2056. | 1.5 | 29 |
| 77 | Automated detection of shadow artifacts in optical coherence tomography angiography. Biomedical Optics Express, 2019, 10, 1514. | 1.5 | 29 |
| 78 | Optical microâ€angiography images structural and functional cerebral blood perfusion in mice with cranium left intact. Journal of Biophotonics, 2011, 4, 57-63. | 1.1 | 28 |
| 79 | Rodent retinal circulation organization and oxygen metabolism revealed by visible-light optical coherence tomography. Biomedical Optics Express, 2018, 9, 5851. | 1.5 | 28 |
| 80 | Deep learning for the segmentation of preserved photoreceptors on en face optical coherence tomography in two inherited retinal diseases. Biomedical Optics Express, 2018, 9, 3092. | 1.5 | 28 |
| 81 | Robust non-perfusion area detection in three retinal plexuses using convolutional neural network in OCT angiography. Biomedical Optics Express, 2020, 11, 330. | 1.5 | 28 |
| 82 | Calibration of optical coherence tomography angiography with a microfluidic chip. Journal of Biomedical Optics, 2016, 21, 1. | 1.4 | 27 |
| 83 | Quantitative Evaluation of Choroidal Neovascularization under Pro Re Nata Antiâ€“Vascular Endothelial Growth Factor Therapy with OCT Angiography. Ophthalmology Retina, 2018, 2, 931-941. | 1.2 | 27 |
| 84 | Plexus-Specific Detection of Retinal Vascular Pathologic Conditions with Projection-Resolved OCT Angiography. Ophthalmology Retina, 2018, 2, 816-826. | 1.2 | 27 |
| 85 | 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 |
| 86 | Classification of Choroidal Neovascularization Using Projection-Resolved Optical Coherence Tomographic Angiography. , 2018, 59, 4285. | | 26 |
| 87 | Maximum value projection produces better en face OCT angiograms than mean value projection. Biomedical Optics Express, 2018, 9, 6412. | 1.5 | 26 |
| 88 | Potential of optical microangiography to monitor cerebral blood perfusion and vascular plasticity following traumatic brain injury in mice in vivo. Journal of Biomedical Optics, 2009, 14, 040505. | 1.4 | 25 |
| 89 | 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 |
| 90 | 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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| 91 | Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds. Journal of Biomedical Optics, 2009, 14, 034014. | 1.4 | 24 |
| 92 | High-resolution wide-field OCT angiography with a self-navigation method to correct microsaccades and blinks. Biomedical Optics Express, 2020, 11, 3234. | 1.5 | 24 |
| 93 | Real-time cross-sectional and en face OCT angiography guiding high-quality scan acquisition. Optics Letters, 2019, 44, 1431. | 1.7 | 24 |
| 94 | Optical coherence tomography angiography in pediatric choroidal neovascularization. American Journal of Ophthalmology Case Reports, 2016, 2, 37-40. | 0.4 | 23 |
| 95 | Optical coherence tomographic angiography of choroidal neovascularization ill-defined with fluorescein angiography. British Journal of Ophthalmology, 2017, 101, 45-50. | 2.1 | 23 |
| 96 | Extended axial imaging range, widefield swept source optical coherence tomography angiography. Journal of Biophotonics, 2017, 10, 1464-1472. | 1.1 | 23 |
| 97 | Quantitative OCT Angiography Evaluation of Peripapillary Retinal Circulation after Plaque Brachytherapy. Ophthalmology Retina, 2018, 2, 244-250. | 1.2 | 23 |
| 98 | Automatic quantification of choroidal neovascularization lesion area on OCT angiography based on density cell-like P systems with active membranes. Biomedical Optics Express, 2018, 9, 3208. | 1.5 | 23 |
| 99 | Angiographic and structural imaging using high axial resolution fiber-based visible-light OCT. Biomedical Optics Express, 2017, 8, 4595. | 1.5 | 22 |
| 100 | Detecting and measuring areas of choriocapillaris low perfusion in intermediate, non-neovascular age-related macular degeneration. Neurophotonics, 2019, 6, 1. | 1.7 | 22 |
| 101 | Three-dimensional structural and angiographic evaluation of foveal ischemia in diabetic retinopathy: method and validation. Biomedical Optics Express, 2019, 10, 3522. | 1.5 | 22 |
| 102 | Imaging retinal structures at cellular-level resolution by visible-light optical coherence tomography. Optics Letters, 2020, 45, 2107. | 1.7 | 22 |
| 103 | Quantification of choroidal neovascularization vessel length using optical coherence tomography angiography. Journal of Biomedical Optics, 2016, 21, 076010. | 1.4 | 21 |
| 104 | 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 |
| 105 | Choriocapillaris evaluation in choroideremia using optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 48. | 1.5 | 21 |
| 106 | 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 |
| 107 | Optical Coherence Tomography Angiography Avascular Area Association With 1-Year Treatment Requirement and Disease Progression in Diabetic Retinopathy. American Journal of Ophthalmology, 2020, 217, 268-277. | 1.7 | 21 |
| 108 | Detecting Blood Flow Response to Stimulation of the Human Eye. BioMed Research International, 2015, 2015, 1-14. | 0.9 | 20 |

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| 109 | Enhanced Quantification of Retinal Perfusion by Improved Discrimination of Blood Flow From Bulk Motion Signal in OCTA. Translational Vision Science and Technology, 2018, 7, 20. | 1.1 | 20 |
| 110 | Characterization of Chorioretinopathy Associated with Mitochondrial Trifunctional Protein Disorders. Ophthalmology, 2016, 123, 2183-2195. | 2.5 | 19 |
| 111 | Automated boundary detection of the optic disc and layer segmentation of the peripapillary retina in volumetric structural and angiographic optical coherence tomography. Biomedical Optics Express, 2017, 8, 1306. | 1.5 | 19 |
| 112 | Invariant features-based automated registration and montage for wide-field OCT angiography. Biomedical Optics Express, 2019, 10, 120. | 1.5 | 19 |
| 113 | High dynamic range optical coherence tomography angiography (HDR-OCTA). Biomedical Optics Express, 2019, 10, 3560. | 1.5 | 19 |
| 114 | Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice. Journal of Neuroscience Methods, 2010, 194, 108-115. | 1.3 | 18 |
| 115 | Label-free and highly sensitive optical imaging of detailed microcirculation within meninges and cortex in mice with the cranium left intact. Journal of Biomedical Optics, 2010, 15, 030510. | 1.4 | 18 |
| 116 | Hematocrit dependence of flow signal in optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 776. | 1.5 | 18 |
| 117 | Automated detection of preserved photoreceptor on optical coherence tomography in choroideremia based on machine learning. Journal of Biophotonics, 2018, 11, e201700313. | 1.1 | 18 |
| 118 | Measuring Glaucomatous Focal Perfusion Loss in the Peripapillary Retina Using OCT Angiography. Ophthalmology, 2020, 127, 484-491. | 2.5 | 18 |
| 119 | Responses of Peripheral Blood Flow to Acute Hypoxia and Hyperoxia as Measured by Optical Microangiography. PLoS ONE, 2011, 6, e26802. | 1.1 | 18 |
| 120 | Advantages of Widefield Optical Coherence Tomography in the Diagnosis of Retinopathy of Prematurity. Frontiers in Pediatrics, 2021, 9, 797684. | 0.9 | 18 |
| 121 | Automated three-dimensional registration and volume rebuilding for wide-field angiographic and structural optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 026001. | 1.4 | 17 |
| 122 | Assessing total retinal blood flow in diabetic retinopathy using multiplane en face Doppler optical coherence tomography. British Journal of Ophthalmology, 2018, 102, 126-130. | 2.1 | 17 |
| 123 | Comparison of Central Macular Fluid Volume With Central Subfield Thickness in Patients With Diabetic Macular Edema Using Optical Coherence Tomography Angiography. JAMA Ophthalmology, 2021, 139, 734-741. | 1.4 | 17 |
| 124 | A Deep Learning Network for Classifying Arteries and Veins in Montaged Widefield OCT Angiograms. Ophthalmology Science, 2022, 2, 100149. | 1.0 | 17 |
| 125 | 75-degree non-mydriatic single-volume optical coherence tomographic angiography. Biomedical Optics Express, 2019, 10, 6286. | 1.5 | 16 |
| 126 | Sensorless adaptive-optics optical coherence tomographic angiography. Biomedical Optics Express, 2020, 11, 3952. | 1.5 | 16 |

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|---|---|---|---|
| 127 | 105Â° field of view non-contact handheld swept-source optical coherence tomography. Optics Letters, 2021, 46, 5878. | 1.7 | 16 |
| 128 | A Diabetic Retinopathy Classification Framework Based on Deep-Learning Analysis of OCT Angiography. Translational Vision Science and Technology, 2022, 11, 10. | 1.1 | 16 |
| 129 | Automated detection of dilated capillaries on optical coherence tomography angiography. Biomedical Optics Express, 2017, 8, 1101. | 1.5 | 15 |
| 130 | Automated detection of photoreceptor disruption in mild diabetic retinopathy on volumetric optical coherence tomography. Biomedical Optics Express, 2017, 8, 5384. | 1.5 | 15 |
| 131 | Longitudinal Detection of Radiation-Induced Peripapillary and Macular Retinal Capillary Ischemia Using OCT Angiography. Ophthalmology Retina, 2020, 4, 320-326. | 1.2 | 15 |
| 132 | Ultrahigh sensitive optical microangiography reveals depth-resolved microcirculation and its longitudinal response to prolonged ischemic event within skeletal muscles in mice. Journal of Biomedical Optics, 2011, 16, 086004. | 1.4 | 14 |
| 133 | Monitoring retinal responses to acute intraocular pressure elevation in rats with visible light optical coherence tomography. Neurophotonics, 2019, 6, 1. | 1.7 | 14 |
| 134 | Spectral fractionation detection of gold nanorod contrast agents using optical coherence tomography. Optics Express, 2015, 23, 4212. | 1.7 | 13 |
| 135 | Retinal Blood Flow Response to Hyperoxia Measured With En Face Doppler Optical Coherence Tomography. , 2016, 57, OCT141. | | 12 |
| 136 | Quantification of Nonperfusion Area in Montaged Widefield OCT Angiography Using Deep Learning in Diabetic Retinopathy. Ophthalmology Science, 2021, 1, 100027. | 1.0 | 12 |
| 137 | An end-to-end network for segmenting the vasculature of three retinal capillary plexuses from OCT angiographic volumes. Biomedical Optics Express, 2021, 12, 4889. | 1.5 | 12 |
| 138 | Fast and robust standard-deviation-based method for bulk motion compensation in phase-based functional OCT. Optics Letters, 2018, 43, 2204. | 1.7 | 12 |
| 139 | An Open-Source Deep Learning Network for Reconstruction of High-Resolution OCT Angiograms of Retinal Intermediate and Deep Capillary Plexuses. Translational Vision Science and Technology, 2021, 10, 13. | 1.1 | 12 |
| 140 | Peripheral OCT Assisted by Scleral Depression in Retinopathy of Prematurity. Ophthalmology Science, 2022, 2, 100094. | 1.0 | 12 |
| 141 | Effect of algorithms and covariates in glaucoma diagnosis with optical coherence tomography angiography. British Journal of Ophthalmology, 2022, 106, 1703-1709. | 2.1 | 11 |
| 142 | Cognitive decline in older adults: What can we learn from optical coherence tomography (<scp>OCT</scp>)â€based retinal vascular imaging?. Journal of the American Geriatrics Society, 2021, 69, 2524-2535. | 1.3 | 10 |
| 143 | Application of Corneal Optical Coherence Tomography Angiography for Assessment of Vessel Depth in Corneal Neovascularization. Cornea, 2020, 39, 598-604. | 0.9 | 8 |
| 144 | Phase-stabilized complex-decorrelation angiography. Biomedical Optics Express, 2021, 12, 2419. | 1.5 | 8 |

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| 145 | Focal Loss Analysis of Nerve Fiber Layer Reflectance for Glaucoma Diagnosis. Translational Vision Science and Technology, 2021, 10, 9. | 1.1 | 8 |
| 146 | Association Between Fluid Volume in Inner Nuclear Layer and Visual Acuity in Diabetic Macular Edema. American Journal of Ophthalmology, 2022, 237, 164-172. | 1.7 | 8 |
| 147 | Sectorwise Visual Field Simulation Using Optical Coherence Tomographic Angiography Nerve Fiber Layer Plexus Measurements in Glaucoma. American Journal of Ophthalmology, 2020, 212, 57-68. | 1.7 | 7 |
| 148 | Optical coherence tomographic angiography study of perfusion recovery after surgical lowering of intraocular pressure. Scientific Reports, 2021, 11, 17251. | 1.6 | 7 |
| 149 | LABEL-FREE 3D OPTICAL MICROANGIOGRAPHY IMAGING OF FUNCTIONAL VASA NERVORUM AND PERIPHERAL MICROVASCULAR TREE IN THE HIND LIMB OF DIABETIC MICE. Journal of Innovative Optical Health Sciences, 2010, 03, 307-313. | 0.5 | 5 |
| 150 | Widefield Optical Coherence Tomography in Pediatric Retina: A Case Series of Intraoperative Applications Using a Prototype Handheld Device. Frontiers in Medicine, 0, 9, . | 1.2 | 5 |
| 151 | Doppler optical microangiography improves the quantification of local fluid flow and shear stress within 3-D porous constructs. Journal of Biomedical Optics, 2009, 14, 050504. | 1.4 | 4 |
| 152 | Directional Reflectivity of the Ellipsoid Zone in Dry Age-Related Macular Degeneration. Ophthalmic Surgery Lasers and Imaging Retina, 2021, 52, 145-152. | 0.4 | 4 |
| 153 | Deep learning-based signal-independent assessment of macular avascular area on 6Ã—6 mm optical coherence tomography angiogram in diabetic retinopathy: a comparison to instrument-embedded software. British Journal of Ophthalmology, 2023, 107, 84-89. | 2.1 | 4 |
| 154 | Automated phase unwrapping in Doppler optical coherence tomography. Journal of Biomedical Optics, 2019, 24, 1. | 1.4 | 4 |
| 155 | Quantitative evaluation of retinal artery occlusion using optical coherence tomography angiography. Medicine (United States), 2018, 97, e12652. | 0.4 | 3 |
| 156 | Normative intercapillary distance and vessel density data in the temporal retina assessed by wide-field spectral-domain optical coherence tomography angiography. Experimental Biology and Medicine, 2021, 246, 2230-2237. | 1.1 | 3 |
| 157 | Geographic Atrophy Progression Is Associated With Choriocapillaris Flow Deficits Measured With Optical Coherence Tomographic Angiography. , 2021, 62, 28. | | 3 |
| 158 | Plexus-specific retinal capillary avascular area in exudative age-related macular degeneration with projection-resolved OCT angiography. British Journal of Ophthalmology, 2022, 106, 719-723. | 2.1 | 2 |
| 159 | Ultra-widefield handheld swept-source OCT for peripheral retinal imaging. , 2022, , . | | 2 |
| 160 | Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds. , 2011, , . | | 1 |
| 161 | Clinical Applications of Doppler OCT and OCT Angiography. , 2015, , 1413-1428. | | 1 |
| 162 | Optische KohÃrenztomographie-Angiographie mit dem Optovue-System. Karger Kompass Ophthalmologie, 2017, 3, 58-63. | 0.0 | 1 |

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| 163 | Polarizationâ€multiplexed, dualâ€beam swept source optical coherence tomography angiography. Journal of Biophotonics, 2018, 11, e201700303. | 1.1 | 1 |
| 164 | Quantitative optical coherence tomography angiography of the peripapillary circulation in glaucoma. Annals of Eye Science, 2017, 2, 8-8. | 1.1 | 1 |
| 165 | In situ monitoring of localized shear stress and fluid flow within developing tissue constructs by Doppler optical coherence tomography. Proceedings of SPIE, 2008, , . | 0.8 | 0 |
| 166 | The study of effects of pore architecture in chitosan scaffolds on the fluid flow pattern by Doppler OCT. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 167 | Optical micro-angiography reveals depth-resolved muscular microcirculation. , 2011, , . | | 0 |
| 168 | High sensitive volumetric imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 169 | Label-free in vivo optical micro-angiography imaging of cerebral capillary blood flow within meninges and cortex in mice with the skull left intact. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
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