

# Ruikang K Wang

## List of Publications by Citations

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586  
papers

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767  
ext. papers

19,843  
ext. citations

3.6  
avg, IF

7.17  
L-index

#	Paper	IF	Citations
586	Three dimensional optical angiography. <i>Optics Express</i> , <b>2007</b> , 15, 4083-97	3.3	499
585	Optical coherence tomography angiography: A comprehensive review of current methods and clinical applications. <i>Progress in Retinal and Eye Research</i> , <b>2017</b> , 60, 66-100	20.5	435
584	Theory, developments and applications of optical coherence tomography. <i>Journal Physics D: Applied Physics</i> , <b>2005</b> , 38, 2519-2535	3	409
583	Quantifying Microvascular Density and Morphology in Diabetic Retinopathy Using Spectral-Domain Optical Coherence Tomography Angiography <b>2016</b> , 57, OCT362-70		298
582	Depth-resolved imaging of capillary networks in retina and choroid using ultrahigh sensitive optical microangiography. <i>Optics Letters</i> , <b>2010</b> , 35, 1467-9	3	273
581	Methods and algorithms for optical coherence tomography-based angiography: a review and comparison. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 100901	3.5	240
580	Ultrahigh sensitive optical microangiography for in vivo imaging of microcirculations within human skin tissue beds. <i>Optics Express</i> , <b>2010</b> , 18, 8220-8	3.3	236
579	Optical coherence tomography based angiography [Invited]. <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 1056-1082	9.5	231
578	In vivo volumetric imaging of vascular perfusion within human retina and choroids with optical micro-angiography. <i>Optics Express</i> , <b>2008</b> , 16, 11438-52	3.3	222
577	Optical Coherence Tomography Angiography of Asymptomatic Neovascularization in Intermediate Age-Related Macular Degeneration. <i>Ophthalmology</i> , <b>2016</b> , 123, 1309-19	7.3	174
576	Doppler optical micro-angiography for volumetric imaging of vascular perfusion in vivo. <i>Optics Express</i> , <b>2009</b> , 17, 8926-40	3.3	170
575	Random phase encoding for optical security. <i>Optical Engineering</i> , <b>1996</b> , 35, 2464	1.1	163
574	A Novel Strategy for Quantifying Choriocapillaris Flow Voids Using Swept-Source OCT Angiography <b>2018</b> , 59, 203-211		157
573	Concurrent enhancement of imaging depth and contrast for optical coherence tomography by hyperosmotic agents. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2001</b> , 18, 948	1.7	155
572	Quantitative assessment of the retinal microvasculature using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 66008	3.5	155
571	Determining elastic properties of skin by measuring surface waves from an impulse mechanical stimulus using phase-sensitive optical coherence tomography. <i>Journal of the Royal Society Interface</i> , <b>2012</b> , 9, 831-41	4.1	153
570	Swept-source OCT angiography of the retinal vasculature using intensity differentiation-based optical microangiography algorithms. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2014</b> , 45, 382-9	1.4	153

569	Minimizing projection artifacts for accurate presentation of choroidal neovascularization in OCT micro-angiography. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 4130-43	3.5	138
568	Comparison Between Spectral-Domain and Swept-Source Optical Coherence Tomography Angiographic Imaging of Choroidal Neovascularization <b>2017</b> , 58, 1499-1505		136
567	A differentially amplified motion in the ear for near-threshold sound detection. <i>Nature Neuroscience</i> , <b>2011</b> , 14, 770-4	25.5	130
566	Quantifying optical microangiography images obtained from a spectral domain optical coherence tomography system. <i>International Journal of Biomedical Imaging</i> , <b>2012</b> , 2012, 509783	5.2	118
565	Phase-sensitive optical coherence elastography for mapping tissue microstrains in real time. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 164105	3.4	118
564	Dynamic optical coherence tomography in studies of optical clearing, sedimentation, and aggregation of immersed blood. <i>Applied Optics</i> , <b>2002</b> , 41, 258-71	1.7	118
563	Tissue Doppler optical coherence elastography for real time strain rate and strain mapping of soft tissue. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 144103	3.4	116
562	Natural History of Subclinical Neovascularization in Nonexudative Age-Related Macular Degeneration Using Swept-Source OCT Angiography. <i>Ophthalmology</i> , <b>2018</b> , 125, 255-266	7.3	112
561	Signal degradation by multiple scattering in optical coherence tomography of dense tissue: a Monte Carlo study towards optical clearing of biotissues. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 2281-99	3.8	110
560	Quantifying Retinal Microvascular Changes in Uveitis Using Spectral-Domain Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , <b>2016</b> , 171, 101-112	4.9	109
559	In vivo full range complex Fourier domain optical coherence tomography. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 054103	3.4	106
558	User-guided segmentation for volumetric retinal optical coherence tomography images. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 086020	3.5	105
557	Statistics of local speckle contrast. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2008</b> , 25, 9-15	1.8	103
556	Mapping of cerebro-vascular blood perfusion in mice with skin and skull intact by Optical Micro-AngioGraphy at 1.3 $\mu\text{m}$ wavelength. <i>Optics Express</i> , <b>2007</b> , 15, 11402-12	3.3	103
555	Propylene glycol as a contrasting agent for optical coherence tomography to image gastrointestinal tissues. <i>Lasers in Surgery and Medicine</i> , <b>2002</b> , 30, 201-8	3.6	103
554	OCT-based elastography for large and small deformations. <i>Optics Express</i> , <b>2006</b> , 14, 11585-97	3.3	100
553	Chitosan microchannel scaffolds for tendon tissue engineering characterized using optical coherence tomography. <i>Tissue Engineering</i> , <b>2007</b> , 13, 323-31		99
552	Optical coherence elastography in ophthalmology. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 1-28	3.5	97

551	Optical Microangiography: A Label Free 3D Imaging Technology to Visualize and Quantify Blood Circulations within Tissue Beds in vivo. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 545-554	3.8	97
550	Investigation of optical coherence tomography as an imaging modality in tissue engineering. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 1649-59	3.8	91
549	Phase-sensitive optical coherence tomography imaging of the tissue motion within the organ of Corti at a subnanometer scale: a preliminary study. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 056005	3.5	89
548	Use of a scanner to modulate spatial interferograms for in vivo full-range Fourier-domain optical coherence tomography. <i>Optics Letters</i> , <b>2007</b> , 32, 3423-5	3	89
547	Optic Disc Perfusion in Primary Open Angle and Normal Tension Glaucoma Eyes Using Optical Coherence Tomography-Based Microangiography. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154691	3.7	89
546	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Glaucoma Using Optical Coherence Tomography-Based Microangiography <b>2016</b> , 57, OCT475-85		89
545	Wide-field optical coherence tomography based microangiography for retinal imaging. <i>Scientific Reports</i> , <b>2016</b> , 6, 22017	4.9	89
544	SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF NEOVASCULAR MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , <b>2015</b> , 35, 2285-99	3.6	84
543	Modelling optical properties of soft tissue by fractal distribution of scatterers. <i>Journal of Modern Optics</i> , <b>2000</b> , 47, 103-120	1.1	83
542	Three-dimensional high-resolution imaging of gold nanorods uptake in sentinel lymph nodes. <i>Nano Letters</i> , <b>2011</b> , 11, 2938-43	11.5	82
541	Swept-source OCT angiography of macular telangiectasia type 2. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , <b>2014</b> , 45, 369-80	1.4	82
540	Quantitative elastography provided by surface acoustic waves measured by phase-sensitive optical coherence tomography. <i>Optics Letters</i> , <b>2012</b> , 37, 722-4	3	81
539	Noncontact all-optical measurement of corneal elasticity. <i>Optics Letters</i> , <b>2012</b> , 37, 1625-7	3	81
538	High speed spectral domain optical coherence tomography for retinal imaging at 500,000 A-lines per second. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 2770-83	3.5	80
537	Tracking mechanical wave propagation within tissue using phase-sensitive optical coherence tomography: motion artifact and its compensation. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 121505	3.5	79
536	Dynamic optical clearing effect of tissue impregnated with hyperosmotic agents and studied with optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2004</b> , 9, 200-6	3.5	79
535	Automated Quantitation of Choroidal Neovascularization: A Comparison Study Between Spectral-Domain and Swept-Source OCT Angiograms <b>2017</b> , 58, 1506-1513		78
534	Projection artifact removal improves visualization and quantitation of macular neovascularization imaged by optical coherence tomography angiography. <i>Ophthalmology Retina</i> , <b>2017</b> , 1, 124-136	3.8	77

533	Wide-field imaging of retinal vasculature using optical coherence tomography-based microangiography provided by motion tracking. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 066008	3.5	77
532	Noncontact photoacoustic imaging achieved by using a low-coherence interferometer as the acoustic detector. <i>Optics Letters</i> , <b>2011</b> , 36, 3975-7	3	76
531	Using ultrahigh sensitive optical microangiography to achieve comprehensive depth resolved microvasculature mapping for human retina. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 106013	3.5	75
530	Acoustic micro-tapping for non-contact 4D imaging of tissue elasticity. <i>Scientific Reports</i> , <b>2016</b> , 6, 38967	4.9	75
529	Age-dependent Changes in the Macular Choriocapillaris of Normal Eyes Imaged With Swept-Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 200, 110-122	4.9	71
528	Eigendecomposition-based clutter filtering technique for optical micro-angiography. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2011</b> , 58,	5	70
527	Changes in wall motion and blood flow in the outflow tract of chick embryonic hearts observed with optical coherence tomography after outflow tract banding and vitelline-vein ligation. <i>Physics in Medicine and Biology</i> , <b>2008</b> , 53, 5077-91	3.8	70
526	High-resolution wide-field imaging of retinal and choroidal blood perfusion with optical microangiography. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 026011	3.5	69
525	Epoxyeicosanoids as mediators of neurogenic vasodilation in cerebral vessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H1352-63	5.2	68
524	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Eyes With Glaucoma and Single-Hemifield Visual Field Loss. <i>JAMA Ophthalmology</i> , <b>2017</b> , 135, 461-468	3.9	67
523	Role of soluble epoxide hydrolase in the sex-specific vascular response to cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2009</b> , 29, 1475-81	7.3	65
522	Impact of intraocular pressure on changes of blood flow in the retina, choroid, and optic nerve head in rats investigated by optical microangiography. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 2220-33	3.5	65
521	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , <b>2019</b> , 10, 584	17.4	64
520	Shear modulus imaging by direct visualization of propagating shear waves with phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 121509	3.5	64
519	Elastic properties of soft tissue-mimicking phantoms assessed by combined use of laser ultrasonics and low coherence interferometry. <i>Optics Express</i> , <b>2011</b> , 19, 10153-63	3.3	64
518	Comparing the synergistic effects of oleic acid and dimethyl sulfoxide as vehicles for optical clearing of skin tissue in vitro. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 5283-94	3.8	64
517	Volumetric and quantitative imaging of retinal blood flow in rats with optical microangiography. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 579-91	3.5	63
516	In vivo volumetric imaging of microcirculation within human skin under psoriatic conditions using optical microangiography. <i>Lasers in Surgery and Medicine</i> , <b>2011</b> , 43, 122-9	3.6	62

515	Correlations between Choriocapillaris Flow Deficits around Geographic Atrophy and Enlargement Rates Based on Swept-Source OCT Imaging. <i>Ophthalmology Retina</i> , <b>2019</b> , 3, 478-488	3.8	61
514	A practical approach to eliminate autocorrelation artefacts for volume-rate spectral domain optical coherence tomography. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 3231-9	3.8	61
513	The potential of optical coherence tomography in the engineering of living tissue. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 1097-115	3.8	61
512	Review of optical coherence tomography based angiography in neuroscience. <i>Neurophotonics</i> , <b>2016</b> , 3, 010902	3.9	60
511	Conditional ablation of neuroprogenitor cells in adult mice impedes recovery of poststroke cognitive function and reduces synaptic connectivity in the perforant pathway. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 17314-25	6.6	60
510	Pulsatile motion of the trabecular meshwork in healthy human subjects quantified by phase-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 2051-65	3.5	58
509	Real-time flow imaging by removing texture pattern artifacts in spectral-domain optical Doppler tomography. <i>Optics Letters</i> , <b>2006</b> , 31, 3001-3	3	58
508	Effect of dextran-induced changes in refractive index and aggregation on optical properties of whole blood. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 1205-21	3.8	56
507	Quantitative microvascular analysis of retinal venous occlusions by spectral domain optical coherence tomography angiography. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176404	3.7	54
506	Synergistic effect of hyperosmotic agents of dimethyl sulfoxide and glycerol on optical clearing of gastric tissue studied with near infrared spectroscopy. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 457-68	3.8	54
505	Determination of flow velocity vector based on Doppler shift and spectrum broadening with optical coherence tomography. <i>Optics Letters</i> , <b>2003</b> , 28, 1227-9	3	54
504	Long-range and wide field of view optical coherence tomography for 3D imaging of large volume object based on akinetic programmable swept source. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4734-4748	3.5	54
503	Autocorrelation optical coherence tomography for mapping transverse particle-flow velocity. <i>Optics Letters</i> , <b>2010</b> , 35, 3538-40	3	52
502	Transplantation of Human Embryonic Stem Cell-Derived Retinal Cells into the Subretinal Space of a Non-Human Primate. <i>Translational Vision Science and Technology</i> , <b>2017</b> , 6, 4	3.3	51
501	Visualizing ultrasonically induced shear wave propagation using phase-sensitive optical coherence tomography for dynamic elastography. <i>Optics Letters</i> , <b>2014</b> , 39, 838-41	3	51
500	Optic nerve head perfusion in normal eyes and eyes with glaucoma using optical coherence tomography-based microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2016</b> , 6, 125-33	3.6	51
499	Measurement of absolute blood flow velocity in outflow tract of HH18 chicken embryo based on 4D reconstruction using spectral domain optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 798-811	3.5	50
498	Efficient postacquisition synchronization of 4-D nongated cardiac images obtained from optical coherence tomography: application to 4-D reconstruction of the chick embryonic heart. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 044020	3.5	50

497	Imaging the mechanical stiffness of skin lesions by in vivo acousto-optical elastography. <i>Optics Express</i> , <b>2006</b> , 14, 9770-9	3.3	50
496	Biomechanics of the chick embryonic heart outflow tract at HH18 using 4D optical coherence tomography imaging and computational modeling. <i>PLoS ONE</i> , <b>2012</b> , 7, e40869	3.7	49
495	Use of optical coherence tomography in delineating airways microstructure: comparison of OCT images to histopathological sections. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 1247-55	3.8	49
494	Accurate estimation of choriocapillaris flow deficits beyond normal intercapillary spacing with swept source OCT angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2018</b> , 8, 658-666	3.6	49
493	Aqueous outflow regulation: Optical coherence tomography implicates pressure-dependent tissue motion. <i>Experimental Eye Research</i> , <b>2017</b> , 158, 171-186	3.7	47
492	Improved microcirculation imaging of human skin in vivo using optical microangiography with a correlation mapping mask. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 36010	3.5	47
491	Optical coherence tomography angiography of normal skin and inflammatory dermatologic conditions. <i>Lasers in Surgery and Medicine</i> , <b>2018</b> , 50, 183-193	3.6	46
490	Doppler optical coherence tomography for measuring flow in engineered tissue. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 20, 414-23	11.8	46
489	A novel optical coherence tomography-based micro-indentation technique for mechanical characterization of hydrogels. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 1169-73	4.1	45
488	The role of water desorption on optical clearing of biotissue: studied with near infrared reflectance spectroscopy. <i>Medical Physics</i> , <b>2003</b> , 30, 1246-53	4.4	45
487	4D optical coherence tomography-based micro-angiography achieved by 1.6-MHz FDML swept source. <i>Optics Letters</i> , <b>2015</b> , 40, 1779-82	3	44
486	Detection and characterisation of biopsy tissue using quantitative optical coherence elastography (OCE) in men with suspected prostate cancer. <i>Cancer Letters</i> , <b>2015</b> , 357, 121-128	9.9	43
485	Phase-sensitive optical coherence tomography characterization of pulse-induced trabecular meshwork displacement in ex vivo nonhuman primate eyes. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 076026	3.5	43
484	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence. <i>Scientific Reports</i> , <b>2019</b> , 9, 5694	4.9	42
483	Shear wave elastography using amplitude-modulated acoustic radiation force and phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 016001	3.5	42
482	Quantification of Choriocapillaris with Optical Coherence Tomography Angiography: A Comparison Study. <i>American Journal of Ophthalmology</i> , <b>2019</b> , 208, 111-123	4.9	42
481	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging <b>2017</b> , 58, 4809-4817		42
480	Impaired leptomeningeal collateral flow contributes to the poor outcome following experimental stroke in the Type 2 diabetic mice. <i>Journal of Neuroscience</i> , <b>2015</b> , 35, 3851-64	6.6	42

479	Noninvasive imaging of retinal morphology and microvasculature in obese mice using optical coherence tomography and optical microangiography <b>2014</b> , 55, 1024-30		41
478	In vivo microstructural and microvascular imaging of the human corneo-scleral limbus using optical coherence tomography. <i>Biomedical Optics Express</i> , <b>2011</b> , 2, 3109-18	3.5	41
477	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2003</b> , 9, 234-242	3.8	41
476	Aging-associated changes in cerebral vasculature and blood flow as determined by quantitative optical coherence tomography angiography. <i>Neurobiology of Aging</i> , <b>2018</b> , 70, 148-159	5.6	41
475	Capillary blood flow imaging within human finger cuticle using optical microangiography. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 46-51	3.1	40
474	Repeatability and reproducibility of optic nerve head perfusion measurements using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 65002	3.5	40
473	Penetration kinetics of dimethyl sulphoxide and glycerol in dynamic optical clearing of porcine skin tissue in vitro studied by Fourier transform infrared spectroscopic imaging. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 021105	3.5	40
472	Fourier domain optical coherence tomography achieves full range complex imaging in vivo by introducing a carrier frequency during scanning. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 5897-907	3.8	40
471	In vivo outer hair cell length changes expose the active process in the cochlea. <i>PLoS ONE</i> , <b>2012</b> , 7, e32753	3.7	40
470	Label-free optical lymphangiography: development of an automatic segmentation method applied to optical coherence tomography to visualize lymphatic vessels using Hessian filters. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 86004	3.5	39
469	Vasodynamics of pial and penetrating arterioles in relation to arteriolo-arteriolar anastomosis after focal stroke. <i>Neurophotonics</i> , <b>2015</b> , 2, 025006	3.9	38
468	Attenuation correction assisted automatic segmentation for assessing choroidal thickness and vasculature with swept-source OCT. <i>Biomedical Optics Express</i> , <b>2018</b> , 9, 6067-6080	3.5	38
467	Age-Related Changes in Choroidal Thickness and the Volume of Vessels and Stroma Using Swept-Source OCT and Fully Automated Algorithms. <i>Ophthalmology Retina</i> , <b>2020</b> , 4, 204-215	3.8	38
466	Ultra-wide optical coherence tomography angiography in diabetic retinopathy. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2018</b> , 8, 743-753	3.6	37
465	High resolution imaging of acne lesion development and scarring in human facial skin using OCT-based microangiography. <i>Lasers in Surgery and Medicine</i> , <b>2015</b> , 47, 231-8	3.6	36
464	Suspended Scattering Particles in Motion: A Novel Feature of OCT Angiography in Exudative Maculopathies. <i>Ophthalmology Retina</i> , <b>2018</b> , 2, 694-702	3.8	36
463	Application of thinned-skull cranial window to mouse cerebral blood flow imaging using optical microangiography. <i>PLoS ONE</i> , <b>2014</b> , 9, e113658	3.7	36
462	Segmentation and quantification of blood vessels for OCT-based micro-angiograms using hybrid shape/intensity compounding. <i>Microvascular Research</i> , <b>2015</b> , 97, 37-46	3.7	35

461	Quantification of Choriocapillaris with Phansalkar Local Thresholding: Pitfalls to Avoid. <i>American Journal of Ophthalmology</i> , <b>2020</b> , 213, 161-176	4.9	35
460	Structural and Functional Associations of Macular Microcirculation in the Ganglion Cell-Inner Plexiform Layer in Glaucoma Using Optical Coherence Tomography Angiography. <i>Journal of Glaucoma</i> , <b>2018</b> , 27, 281-290	2.1	35
459	Strategies to improve phase-stability of ultrafast swept source optical coherence tomography for single shot imaging of transient mechanical waves at 16 kHz frame rate. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 191104	3.4	35
458	Intracisternal administration of tissue plasminogen activator improves cerebrospinal fluid flow and cortical perfusion after subarachnoid hemorrhage in mice. <i>Translational Stroke Research</i> , <b>2014</b> , 5, 227-37	7.8	35
457	Shear wave pulse compression for dynamic elastography using phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 16013	3.5	35
456	Optical microangiography provides depth-resolved images of directional ocular blood perfusion in posterior eye segment. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 020502	3.5	35
455	Feasibility of spectral-domain phase-sensitive optical coherence tomography for middle ear vibrometry. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 060505	3.5	35
454	Investigation of changes in optical attenuation of bone and neuronal cells in organ culture or three-dimensional constructs in vitro with optical coherence tomography: relevance to cytochrome oxidase monitoring. <i>European Biophysics Journal</i> , <b>2003</b> , 32, 355-62	1.9	35
453	Bactericidal action of high-power Nd:YAG laser light on Escherichia coli in saline suspension. <i>Journal of Applied Microbiology</i> , <b>2000</b> , 89, 517-25	4.7	35
452	Platform to investigate aqueous outflow system structure and pressure-dependent motion using high-resolution spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 106013	3.5	34
451	Inhibition of Factor XII-Mediated Activation of Factor XI Provides Protection Against Experimental Acute Ischemic Stroke in Mice. <i>Translational Stroke Research</i> , <b>2012</b> , 3, 381-9	7.8	34
450	Quantifying blood flow and wall shear stresses in the outflow tract of chick embryonic hearts. <i>Computers and Structures</i> , <b>2011</b> , 89, 855-867	4.5	34
449	Characterizing relationship between optical microangiography signals and capillary flow using microfluidic channels. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 2709-28	3.5	34
448	Improving visualization and quantitative assessment of choriocapillaris with swept source OCTA through registration and averaging applicable to clinical systems. <i>Scientific Reports</i> , <b>2018</b> , 8, 16826	4.9	34
447	Laser induced surface acoustic wave combined with phase sensitive optical coherence tomography for superficial tissue characterization: a solution for practical application. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 1403-19	3.5	33
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68	Variable-range Doppler optical microangiography using stabilized step scanning and phase variance binarized mask <b>2013</b> ,		1
67	Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds <b>2011</b> ,		1
66	Study cell invasion by optical techniques <b>2006</b> ,		1

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62	High-resolution imaging of colonic mucosa using optical coherence tomography <b>2001</b> , 4251, 242		1
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