

Ruikang K Wang

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.

586
papers

16,472
citations

65
h-index

103
g-index

767
ext. papers

19,843
ext. citations

3.6
avg, IF

7.17
L-index

#	Paper	IF	Citations
586	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	3.7	1
585	Automatic geographic atrophy segmentation using optical attenuation in OCT scans with deep learning.. <i>Biomedical Optics Express</i> , 2022 , 13, 1328-1343	3.5	3
584	OCTA Derived Vessel Skeleton Density Versus Flux and Their Associations With Systemic Determinants of Health. 2022 , 63, 19		2
583	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	3.6	0
582	Choriocapillaris Changes in Myopic Macular Degeneration.. <i>Translational Vision Science and Technology</i> , 2022 , 11, 37	3.3	0
581	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	4.9	2
580	Intrasection 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 , 1-9	2.9	
579	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	3.6	0
578	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	2.6	2
577	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgery-MIGS-Like Platform and Optical Coherence Tomography Imaging.. <i>Frontiers in Medicine</i> , 2022 , 9, 815866	4.9	1
576	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	6.9	0
575	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	6.9	2
574	OCT-Based Angiography and Surface Topography in Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021 , 53, 849-860	3.6	3
573	Robust three-dimensional registration on optical coherence tomography angiography for speckle reduction and visualization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 879-894	3.6	4
572	Optical coherence tomography angiography measures blood pulsatile waveforms at variable tissue depths. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 907-917	3.6	3
571	Optical coherence tomography angiography distortion correction in widefield montage images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 928-938	3.6	0
570	Ocular and systemic determinants of perifoveal and macular vessel parameters in healthy African Americans. <i>British Journal of Ophthalmology</i> , 2021 ,	5.5	1

569	LIF, a mitogen for choroidal endothelial cells, protects the choriocapillaris: implications for prevention of geographic atrophy. <i>EMBO Molecular Medicine</i> , 2021 , e14511	12	1
568	OCT Measurements of the Retinal Pigment Epithelium to Bruch's Membrane Thickness around Geographic Atrophy Correlate with Growth: Short title: Thickened RPE/BM complex predicts faster GA growth. <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	2
567	Polarization sensitive optical coherence tomography with single input for imaging depth-resolved collagen organizations. <i>Light: Science and Applications</i> , 2021 , 10, 237	16.7	6
566	Removing dynamic distortions from laser speckle flowgraphy using Eigen-decomposition and spatial filtering. <i>Journal of Biophotonics</i> , 2021 , e202100294	3.1	1
565	Choroidal Changes in Eyes With Polypoidal Choroidal Vasculopathy After Anti-VEGF Therapy Imaged With Swept-Source OCT Angiography 2021 , 62, 5		0
564	Impact of ocular magnification on retinal and choriocapillaris blood flow quantification in myopia with swept-source optical coherence tomography angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 948-956	3.6	7
563	Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of Optical Coherence Tomography Data. <i>Ophthalmology Science</i> , 2021 , 100069		6
562	Comment on "Outer Retinal Layer Thickening Predicts the Onset of Exudative Neovascular Age-Related Macular Degeneration". <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	
561	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	0.7	2
560	Aqueous outflow regulation - 21st century concepts. <i>Progress in Retinal and Eye Research</i> , 2021 , 83, 1009-1017	17.5	13
559	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	5.5	8
558	Robust non-contact peripheral oxygenation saturation measurement using smartphone-enabled imaging photoplethysmography. <i>Biomedical Optics Express</i> , 2021 , 12, 1746-1760	3.5	5
557	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,	5	1
556	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, 1010-1018	1.3	5
555	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	4.9	14
554	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	7.3	9
553	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	3	2
552	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, 2919-2937	3.5	1

551	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	4.6	2
550	Topographic Quadrant Analysis of Peripapillary Superficial Microvasculature in Optic Disc Drusen. <i>Frontiers in Neurology</i> , 2021 , 12, 666359	4.1	1
549	Application of OCT-Derived Attenuation Coefficient in Acute Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021 , 53, 1192-1200	3.6	3
548	Swept-Source OCT Angiographic Characteristics of Treatment-Naïve Nonexudative Macular Neovascularization in AMD Prior to Exudation 2021 , 62, 14		4
547	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. <i>Biomedical Optics Express</i> , 2021 , 12, 4573-4595	3.5	3
546	Hemiretinal Asymmetry in Peripapillary Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. <i>American Journal of Ophthalmology</i> , 2021 , 230, 156-165	4.9	0
545	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	3.7	2
544	Expression and Pathogenic Analysis of Integrin Family Genes in Systemic Sclerosis. <i>Frontiers in Medicine</i> , 2021 , 8, 674523	4.9	1
543	Guidelines for Imaging the Choriocapillaris Using OCT Angiography. <i>American Journal of Ophthalmology</i> , 2021 , 222, 92-101	4.9	23
542	Multimodal Imaging Features and Clinical Relevance of Subretinal Lipid Globules. <i>American Journal of Ophthalmology</i> , 2021 , 222, 112-125	4.9	2
541	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	5.2	1
540	Choroidal Thickness by Handheld Swept-Source Optical Coherence Tomography in Term Newborns. <i>Translational Vision Science and Technology</i> , 2021 , 10, 27	3.3	1
539	Imaging human skin autograft integration with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 784-796	3.6	5
538	Effects of Schlemm's Canal Expansion: Biomechanics and MIGS Implications. <i>Life</i> , 2021 , 11,	3	4
537	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	2.3	0
536	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2021 , 128, 1109-1112	7.3	7
535	Longer Axial Length Potentiates Relationship of Intraocular Pressure and Peripapillary Vessel Density in Glaucoma Patients 2021 , 62, 37		2
534	Correlation Between Localized Choriocapillaris Perfusion and Macular Function in Eyes with Geographic Atrophy. <i>American Journal of Ophthalmology</i> , 2021 , 234, 174-182	4.9	1

533	Optical Coherence Tomography Angiography-Derived Flux As a Measure of Physiological Changes in Retinal Capillary Blood Flow. <i>Translational Vision Science and Technology</i> , 2021 , 10, 5	3.3	3
532	A novel automatic 3D stitching algorithm for optical coherence tomography angiography and its application in dermatology. <i>Journal of Biophotonics</i> , 2021 , 14, e202100152	3.1	1
531	An Update on the Hemodynamic Model of Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2021 ,	4.9	4
530	Gingivitis resolution followed by optical coherence tomography and fluorescence imaging: A case study. <i>Journal of Biophotonics</i> , 2021 , 14, e202100191	3.1	
529	Delineating corneal elastic anisotropy in a porcine model using non-contact optical coherence elastography and ex vivo mechanical tests. <i>Ophthalmology Science</i> , 2021 , 100058		4
528	Steps to Measurement Floor of an Optical Microangiography Device in Glaucoma. <i>American Journal of Ophthalmology</i> , 2021 , 231, 58-69	4.9	1
527	Automated Quantification of Choriocapillaris Lesion Area in Patients With Posterior Uveitis. <i>American Journal of Ophthalmology</i> , 2021 , 231, 179-193	4.9	3
526	Imaging the brain and its vasculature in aging 2021 , 153-162		
525	Retinal Capillary Nonperfusion on OCT-Angiography and Its Relationship to Kidney Function in Patients with Diabetes. <i>Journal of Ophthalmology</i> , 2020 , 2020, 2473949	2	2
524	Retinal capillary perfusion in autosomal dominant Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020 , 16, e045662	1.2	
523	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	4.9	9
522	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	4.9	8
521	Mean-Subtraction Method for De-shadowing of Tail Artifacts in Cerebral OCTA Images: A Proof of Concept. <i>Materials</i> , 2020 , 13,	3.5	4
520	Guided vascularization in the rat heart leads to transient vessel patterning. <i>APL Bioengineering</i> , 2020 , 4, 016105	6.6	4
519	Noninvasive multimodal imaging by integrating optical coherence tomography with autofluorescence imaging for dental applications. <i>Journal of Biophotonics</i> , 2020 , 13, e202000026	3.1	3
518	Microvascular Changes in the Choriocapillaris of Diabetic Patients Without Retinopathy Investigated by Swept-Source OCT Angiography 2020 , 61, 50		25
517	Enhanced spatial resolution for snapshot hyperspectral imaging of blood perfusion and melanin information within human tissue. <i>Journal of Biophotonics</i> , 2020 , 13, e202000019	3.1	4
516	A feasibility study of OCT for anatomical and vascular phenotyping of mouse embryo. <i>Journal of Biophotonics</i> , 2020 , 13, e201960225	3.1	2

515	Quantification of Choriocapillaris with Phansalkar Local Thresholding: Pitfalls to Avoid. <i>American Journal of Ophthalmology</i> , 2020 , 213, 161-176	4.9	35
514	Optical coherence tomography for the investigation of skin adaptation to mechanical stress. <i>Skin Research and Technology</i> , 2020 , 26, 627-638	1.9	2
513	OCT Angiography to Predict Geographic Atrophy Progression using Choriocapillaris Flow Void as a Biomarker. <i>Translational Vision Science and Technology</i> , 2020 , 9, 6	3.3	4
512	Hyperspectral imaging enabled by an unmodified smartphone for analyzing skin morphological features and monitoring hemodynamics. <i>Biomedical Optics Express</i> , 2020 , 11, 895-910	3.5	17
511	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, 699-710	3.5	5
510	Automated morphometric measurement of the retinal pigment epithelium complex and choriocapillaris using swept source OCT. <i>Biomedical Optics Express</i> , 2020 , 11, 1834-1850	3.5	7
509	Procedure and protocols for optical imaging of cerebral blood flow and hemodynamics in awake mice. <i>Biomedical Optics Express</i> , 2020 , 11, 3288-3300	3.5	5
508	Semi-automated registration and segmentation for gingival tissue volume measurement on 3D OCT images. <i>Biomedical Optics Express</i> , 2020 , 11, 4536-4547	3.5	5
507	Relative retinal flow velocity detection using optical coherence tomography angiography imaging. <i>Biomedical Optics Express</i> , 2020 , 11, 6710-6720	3.5	6
506	Handheld swept-source optical coherence tomography guided by smartphone-enabled wide-field autofluorescence photography for imaging facial sebaceous glands. <i>Optics Letters</i> , 2020 , 45, 5704-5707 ³	3	4
505	Quantitative assessment of choriocapillaris flow deficits in diabetic retinopathy: A swept-source optical coherence tomography angiography study. <i>PLoS ONE</i> , 2020 , 15, e0243830	3.7	5
504	OCTA in Glaucoma. <i>Essentials in Ophthalmology</i> , 2020 , 47-57	0.2	
503	Polarization sensitive optical coherence tomography for imaging microvascular information within living tissue without polarization-induced artifacts. <i>Biomedical Optics Express</i> , 2020 , 11, 6379-6388	3.5	2
502	Polarization state tracing method to map local birefringent properties in samples using polarization sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2020 , 11, 6852-6863	3.5	2
501	Profound Presentation of Retinopathy in a Patient with Sickle Cell Trait and Diabetes Mellitus. <i>Journal of Ophthalmic and Vision Research</i> , 2020 , 15, 116-117	1.2	
500	Quantitative Handheld Swept-Source Optical Coherence Tomography Angiography in Awake Preterm and Full-Term Infants. <i>Translational Vision Science and Technology</i> , 2020 , 9, 19	3.3	5
499	Correlations Between Different Choriocapillaris Flow Deficit Parameters in Normal Eyes Using Swept Source OCT Angiography. <i>American Journal of Ophthalmology</i> , 2020 , 209, 18-26	4.9	14
498	Ultra-Widefield Protocol Enhances Automated Classification of Diabetic Retinopathy Severity with OCT Angiography. <i>Ophthalmology Retina</i> , 2020 , 4, 415-424	3.8	9

497	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> , 2020 , 4, 204-215	3.8	38
496	Macular microvascular parameters in the ganglion cell-inner plexiform layer derived by optical coherence tomography angiography: Vascular structure-central visual function analysis. <i>PLoS ONE</i> , 2020 , 15, e0240111	3.7	1
495	Quantifying Subclinical and Longitudinal Microvascular Changes Following Episcleral Plaque Brachytherapy Using Spectral Domain-Optical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , 2020 , 4, 499-508	0.7	7
494	The impact of native leptomeningeal collateralization on rapid blood flow recruitment following ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 2165-2178	7.3	3
493	Validation of a Compensation Strategy Used to Detect Choriocapillaris Flow Deficits Under Drusen With Swept Source OCT Angiography. <i>American Journal of Ophthalmology</i> , 2020 , 220, 115-127	4.9	5
492	Nearly-incompressible transverse isotropy (NITI) of cornea elasticity: model and experiments with acoustic micro-tapping OCE. <i>Scientific Reports</i> , 2020 , 10, 12983	4.9	28
491	Automated vessel diameter quantification and vessel tracing for OCT angiography. <i>Journal of Biophotonics</i> , 2020 , 13, e202000248	3.1	3
490	Clinical Utility of Triplicate En Face Image Averaging for Optical Coherence Tomography Angiography in Glaucoma and Glaucoma Suspects. <i>Journal of Glaucoma</i> , 2020 , 29, 823-830	2.1	1
489	Impaired layer specific retinal vascular reactivity among diabetic subjects. <i>PLoS ONE</i> , 2020 , 15, e0233871	3.7	7
488	Reduced Pulsatile Trabecular Meshwork Motion in Eyes With Primary Open Angle Glaucoma Using Phase-Sensitive Optical Coherence Tomography 2020 , 61, 21		9
487	PARACENTRAL ACUTE MIDDLE MACULOPATHY ASSOCIATED WITH BILATERAL OPTIC DISK SWELLING AND MENINGITIS. <i>Retinal Cases and Brief Reports</i> , 2020 , 14, 157-162	1.1	5
486	93 Optical Coherence Tomography: A New Imaging Technique for Burn Injuries. <i>Journal of Burn Care and Research</i> , 2020 , 41, S61-S61	0.8	
485	A Practical Method for Creating Targeted Focal Ischemic Stroke in the Cortex of Nonhuman Primates. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3515-3518	0.9	2
484	Super-shear evanescent waves for non-contact elastography of soft tissues. <i>Applied Physics Letters</i> , 2019 , 115, 083701	3.4	7
483	Recovery of Arsenic from Arsenic-Bearing Cobalt/Nickel Residue Using Sodium Persulfate. <i>Jom</i> , 2019 , 71, 3682-3687	2.1	1
482	Handheld swept-source optical coherence tomography with angiography in awake premature neonates. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 1495-1502	3.6	13
481	Quantifying choriocapillaris hypoperfusion in patients with choroidal neovascularization using swept-source OCT angiography. <i>Clinical Ophthalmology</i> , 2019 , 13, 1613-1620	2.5	7
480	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	11.7	20

479	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	5.2	8
478	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	4.9	28
477	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	4.9	25
476	Impaired Retinal Vascular Reactivity in Diabetic Retinopathy as Assessed by Optical Coherence Tomography Angiography 2019 , 60, 2468-2473		21
475	The evaluation of spontaneous Descemet's membrane reattachment using swept-source optical coherence tomography: a case report. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 535-536	3.6	
474	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	1.3	11
473	Dynamic imaging and quantification of subcellular motion with eigen-decomposition optical coherence tomography-based variance analysis. <i>Journal of Biophotonics</i> , 2019 , 12, e201900076	3.1	
472	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	3.8	11
471	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	3.7	11
470	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence. <i>Scientific Reports</i> , 2019 , 9, 5694	4.9	42
469	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , 2019 , 10, 584	17.4	64
468	Microvascular imaging of the skin. <i>Physics in Medicine and Biology</i> , 2019 , 64, 07TR01	3.8	27
467	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	3.8	61
466	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	3.8	1
465	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	3.6	7
464	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	3.6	6
463	Quantification of Choriocapillaris with Optical Coherence Tomography Angiography: A Comparison Study. <i>American Journal of Ophthalmology</i> , 2019 , 208, 111-123	4.9	42
462	Ocular Determinants of Peripapillary Vessel Density in Healthy African Americans: The African American Eye Disease Study 2019 , 60, 3368-3373		15

461	Does group velocity always reflect elastic modulus in shear wave elastography?. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-11	3.5	15
460	Spatial resolution in dynamic optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-16	3.5	20
459	Development of a clinical prototype of a miniature hand-held optical coherence tomography probe for prematurity and pediatric ophthalmic imaging. <i>Biomedical Optics Express</i> , 2019 , 10, 2383-2398	3.5	22
458	Visualizing choriocapillaris using swept-source optical coherence tomography angiography with various probe beam sizes. <i>Biomedical Optics Express</i> , 2019 , 10, 2847-2860	3.5	11
457	Analysis of skin morphological features and real-time monitoring using snapshot hyperspectral imaging. <i>Biomedical Optics Express</i> , 2019 , 10, 5625-5638	3.5	10
456	Electrically tunable lens integrated with optical coherence tomography angiography for cerebral blood flow imaging in deep cortical layers in mice. <i>Optics Letters</i> , 2019 , 44, 5037-5040	3	5
455	Quantifying Choriocapillaris Flow Voids in Patients With Geographic Atrophy Using Swept-Source OCT Angiography. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2019 , 50, e229-e235	1.4	6
454	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	2.1	15
453	Cone Structure Persists Beyond Margins of Short-Wavelength Autofluorescence in Choroideremia 2019 , 60, 4931-4942		6
452	Optic Nerve Head Perfusion Before and After Intravitreal Antivascular Growth Factor Injections Using Optical Coherence Tomography-based Microangiography. <i>Journal of Glaucoma</i> , 2019 , 28, 188-193	2.1	8
451	BACILLARY LAYER DETACHMENT OVERLYING REDUCED CHORIOCAPILLARIS FLOW IN ACUTE IDIOPATHIC MACULOPATHY. <i>Retinal Cases and Brief Reports</i> , 2019 , 16,	1.1	15
450	Macular Vascular Microcirculation in Eyes With Open-angle Glaucoma Using Different Visual Field Severity Classification Systems. <i>Journal of Glaucoma</i> , 2019 , 28, 790-796	2.1	9
449	Age-dependent Changes in the Macular Choriocapillaris of Normal Eyes Imaged With Swept-Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2019 , 200, 110-122	4.9	71
448	Spatial and Temporal Heterogeneities of Capillary Hemodynamics and Its Functional Coupling During Neural Activation. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 1295-1303	11.7	6
447	Evaluating changes of blood flow in retina, choroid, and outer choroid in rats in response to elevated intraocular pressure by 1300 nm swept-source OCT. <i>Microvascular Research</i> , 2019 , 121, 37-45	3.7	10
446	Analysis of the characteristics of optical coherence tomography angiography for retinal cavernous hemangioma: A case report. <i>Medicine (United States)</i> , 2018 , 97, e9940	1.8	4
445	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> , 2018 , 27, 281-290	2.1	35
444	Optical coherence tomography angiography of normal skin and inflammatory dermatologic conditions. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 183-193	3.6	46

443	Microvascular imaging and monitoring of human oral cavity lesions in vivo by swept-source OCT-based angiography. <i>Lasers in Medical Science</i> , 2018 , 33, 123-134	3.1	11
442	Swept-Source OCT Angiography of Serpiginous Choroiditis. <i>Ophthalmology Retina</i> , 2018 , 2, 712-719	3.8	29
441	Suspended Scattering Particles in Motion: A Novel Feature of OCT Angiography in Exudative Maculopathies. <i>Ophthalmology Retina</i> , 2018 , 2, 694-702	3.8	36
440	Capillary flow homogenization during functional activation revealed by optical coherence tomography angiography based capillary velocimetry. <i>Scientific Reports</i> , 2018 , 8, 4107	4.9	20
439	OCT-based microangiography for reactive hyperaemia assessment within residual limb skin of people with lower limb loss. <i>Skin Research and Technology</i> , 2018 , 24, 152-155	1.9	5
438	Natural History of Subclinical Neovascularization in Nonexudative Age-Related Macular Degeneration Using Swept-Source OCT Angiography. <i>Ophthalmology</i> , 2018 , 125, 255-266	7.3	112
437	Flexible wide-field optical micro-angiography based on Fourier-domain multiplexed dual-beam swept source optical coherence tomography. <i>Journal of Biophotonics</i> , 2018 , 11, e201700203	3.1	3
436	Quantification of Pulse-Dependent Trabecular Meshwork Motion in Normal Humans Using Phase-Sensitive OCT 2018 , 59, 3675-3681		19
435	A Novel Strategy for Quantifying Choriocapillaris Flow Voids Using Swept-Source OCT Angiography 2018 , 59, 203-211		157
434	Comparing imaging capabilities of spectral domain and swept source optical coherence tomography angiography in healthy subjects and central serous retinopathy. <i>Eye and Vision (London, England)</i> , 2018 , 5, 19	4.9	9
433	Use of En Face Swept-Source Optical Coherence Tomography Angiography in Identifying Choroidal Flow Voids in 3 Patients With Birdshot Chorioretinopathy. <i>JAMA Ophthalmology</i> , 2018 , 136, 1288-1292	3.9	26
432	A noninvasive imaging and measurement using optical coherence tomography angiography for the assessment of gingiva: An in vivo study. <i>Journal of Biophotonics</i> , 2018 , 11, e201800242	3.1	13
431	Attenuation correction assisted automatic segmentation for assessing choroidal thickness and vasculature with swept-source OCT. <i>Biomedical Optics Express</i> , 2018 , 9, 6067-6080	3.5	38
430	Optical Coherence Tomography Microangiography Imaging of Circumscribed Choroidal Hemangioma. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018 , 49, 134-137	1.4	6
429	Repeatability and Reproducibility of Quantitative Assessment of the Retinal Microvasculature Using Optical Coherence Tomography Angiography Based on Optical Microangiography. <i>Biomedical and Environmental Sciences</i> , 2018 , 31, 407-412	1.1	12
428	Why choroid vessels appear dark in clinical OCT images 2018 ,		1
427	Metabolic Imaging Approaches: Optical Imaging 2018 , 99-126		1
426	Multifunctional in vivo imaging for monitoring wound healing using swept-source polarization-sensitive optical coherence tomography. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 213-221	3.6	12

425	The effect of age on the response of retinal capillary filling to changes in intraocular pressure measured by optical coherence tomography angiography. <i>Microvascular Research</i> , 2018 , 115, 12-19	3.7	14
424	Quantifying choriocapillaris flow deficits using global and localized thresholding methods: a correlation study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 1102-1112	3.6	13
423	Ultra-wide optical coherence tomography angiography in diabetic retinopathy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 743-753	3.6	37
422	Accurate estimation of choriocapillaris flow deficits beyond normal intercapillary spacing with swept source OCT angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 658-666	3.6	49
421	Optical coherence tomography angiography monitors human cutaneous wound healing over time. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 135-150	3.6	30
420	A Model for Waveform Dissimilarities in Dual-Depth Reflectance-PPG. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 5125-5130	0.9	
419	Improving visualization and quantitative assessment of choriocapillaris with swept source OCTA through registration and averaging applicable to clinical systems. <i>Scientific Reports</i> , 2018 , 8, 16826	4.9	34
418	Diagnostic Performance of Macular Versus Peripapillary Vessel Parameters by Optical Coherence Tomography Angiography for Glaucoma. <i>Translational Vision Science and Technology</i> , 2018 , 7, 21	3.3	25
417	OCT Angiography and Cone Photoreceptor Imaging in Geographic Atrophy 2018 , 59, 5985-5992		12
416	Peripapillary microvasculature in the retinal nerve fiber layer in glaucoma by optical coherence tomography angiography: focal structural and functional correlations and diagnostic performance. <i>Clinical Ophthalmology</i> , 2018 , 12, 2285-2296	2.5	24
415	Imaging and visualization of the polarization state of the probing beam in polarization-sensitive optical coherence tomography. <i>Applied Physics Letters</i> , 2018 , 113, 231101	3.4	8
414	OCT-based angiography of human dermal microvascular reactions to local stimuli: Implications for increasing capillary blood collection volumes. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 908-916	3.6	9
413	Automated three-dimensional cell counting method for grading uveitis of rodent eye in vivo with optical coherence tomography. <i>Journal of Biophotonics</i> , 2018 , 11, e201800140	3.1	10
412	Aging-associated changes in cerebral vasculature and blood flow as determined by quantitative optical coherence tomography angiography. <i>Neurobiology of Aging</i> , 2018 , 70, 148-159	5.6	41
411	Projection artifact removal improves visualization and quantitation of macular neovascularization imaged by optical coherence tomography angiography. <i>Ophthalmology Retina</i> , 2017 , 1, 124-136	3.8	77
410	Ultralong-range optical coherence tomography-based angiography by akinetic swept source 2017 ,		1
409	Association between OCT-based microangiography perfusion indices and diabetic retinopathy severity. <i>British Journal of Ophthalmology</i> , 2017 , 101, 960-964	5.5	18
408	In vivo photoacoustic imaging of blood vessels using a homodyne interferometer with zero-crossing triggering. <i>Journal of Biomedical Optics</i> , 2017 , 22, 36002	3.5	10

407	Robust numerical phase stabilization for long-range swept-source optical coherence tomography. <i>Journal of Biophotonics</i> , 2017 , 10, 1398-1410	3.1	30
406	Imaging collector channel entrance with a new intraocular micro-probe swept-source optical coherence tomography. <i>Acta Ophthalmologica</i> , 2017 , 95, 602-607	3.7	5
405	Optical coherence tomography angiography-based capillary velocimetry. <i>Journal of Biomedical Optics</i> , 2017 , 22, 66008	3.5	26
404	Repeatability of vessel density measurement in human skin by OCT-based microangiography. <i>Skin Research and Technology</i> , 2017 , 23, 607-612	1.9	15
403	Automatic motion correction for in vivo human skin optical coherence tomography angiography through combined rigid and nonrigid registration. <i>Journal of Biomedical Optics</i> , 2017 , 22, 66013	3.5	13
402	Wide field OCT angiography by using swept source OCT in living human eye 2017 ,		1
401	Velocity measurements of heterogeneous RBC flow in capillary vessels using dynamic laser speckle signal. <i>Journal of Biomedical Optics</i> , 2017 , 22, 46002	3.5	2
400	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Eyes With Glaucoma and Single-Hemifield Visual Field Loss. <i>JAMA Ophthalmology</i> , 2017 , 135, 461-468	3.9	67
399	Retinal and choroidal vascular features in patients with retinitis pigmentosa imaged by OCT based microangiography. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , 2017 , 255, 1287-1295	3.8	29
398	Dynamic laser speckle angiography achieved by eigen-decomposition filtering. <i>Journal of Biophotonics</i> , 2017 , 10, 805-810	3.1	5
397	Utility of optical coherence tomography angiography in detecting glaucomatous damage in a uveitic patient with disc congestion: A case report. <i>American Journal of Ophthalmology Case Reports</i> , 2017 , 8, 78-83	1.3	3
396	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> , 2017 , 6, 4	3.3	51
395	Quantitative microvascular analysis of retinal venous occlusions by spectral domain optical coherence tomography angiography. <i>PLoS ONE</i> , 2017 , 12, e0176404	3.7	54
394	Optical coherence elastography in ophthalmology. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-28	3.5	97
393	Comparison of Neovascular Lesion Area Measurements From Different Swept-Source OCT Angiographic Scan Patterns in Age-Related Macular Degeneration 2017 , 58, 5098-5104		16
392	Robust principal component analysis in optical micro-angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017 , 7, 654-667	3.6	9
391	Complex-based OCT angiography algorithm recovers microvascular information better than amplitude- or phase-based algorithms in phase-stable systems. <i>Physics in Medicine and Biology</i> , 2017 , 63, 015023	3.8	30
390	Optical coherence tomography angiography: A comprehensive review of current methods and clinical applications. <i>Progress in Retinal and Eye Research</i> , 2017 , 60, 66-100	20.5	435

389	Tail artifact removal in OCT angiography images of rodent cortex. <i>Journal of Biophotonics</i> , 2017 , 10, 1421-1429	12	
388	Characterization of the mechanical behavior of the optic nerve sheath and its role in spaceflight-induced ophthalmic changes. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017 , 16, 33-43	3.8	13
387	Aqueous outflow regulation: Optical coherence tomography implicates pressure-dependent tissue motion. <i>Experimental Eye Research</i> , 2017 , 158, 171-186	3.7	47
386	Automated Quantitation of Choroidal Neovascularization: A Comparison Study Between Spectral-Domain and Swept-Source OCT Angiograms 2017 , 58, 1506-1513		78
385	Wide field and highly sensitive angiography based on optical coherence tomography with a kinetic swept source. <i>Biomedical Optics Express</i> , 2017 , 8, 420-435	3.5	31
384	Optical coherence tomography based angiography [Invited]. <i>Biomedical Optics Express</i> , 2017 , 8, 1056-1082	3.5	231
383	Comparison Between Spectral-Domain and Swept-Source Optical Coherence Tomography Angiographic Imaging of Choroidal Neovascularization 2017 , 58, 1499-1505		136
382	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging 2017 , 58, 4809-4817		42
381	Long ranging swept-source optical coherence tomography-based angiography outperforms its spectral-domain counterpart in imaging human skin microcirculations. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-11	3.5	17
380	Complex signal-based optical coherence tomography angiography enables in vivo visualization of choriocapillaris in human choroid. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-10	3.5	14
379	Optical coherence tomography imaging of cranial meninges post brain injury in vivo. <i>Chinese Optics Letters</i> , 2017 , 15, 090005	2.2	4
378	Repeatability and reproducibility of optic nerve head perfusion measurements using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 65002	3.5	40
377	Optical coherence tomography based microangiography as a non-invasive imaging modality for early detection of choroido-neovascular membrane in choroidal rupture. <i>SpringerPlus</i> , 2016 , 5, 1470		4
376	Minimal basilar membrane motion in low-frequency hearing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E4304-10	11.5	31
375	Optical coherence tomography based microangiography provides an ability to longitudinally image arteriogenesis in vivo. <i>Journal of Neuroscience Methods</i> , 2016 , 274, 164-171	3	10
374	OCT-based label-free in vivo lymphangiography within human skin and areola. <i>Scientific Reports</i> , 2016 , 6, 21122	4.9	16
373	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> , 2016 , 108, 191104	3.4	35
372	Automated segmentation and enhancement of optical coherence tomography-acquired images of rodent brain. <i>Journal of Neuroscience Methods</i> , 2016 , 270, 132-137	3	22

371	Sex- and isoform-specific mechanism of neuroprotection by transgenic expression of P450 epoxygenase in vascular endothelium. <i>Experimental Neurology</i> , 2016 , 279, 75-85	5.7	10
370	Assessment of edema volume in skin upon injury in a mouse ear model with optical coherence tomography. <i>Lasers in Medical Science</i> , 2016 , 31, 1351-61	3.1	3
369	Potential use of OCT-based microangiography in clinical dermatology. <i>Skin Research and Technology</i> , 2016 , 22, 238-246	1.9	30
368	Optical coherence elastography based on high speed imaging of single-shot laser-induced acoustic waves at 16 kHz frame rate 2016 ,		2
367	Optical Coherence Tomography Angiography of Asymptomatic Neovascularization in Intermediate Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016 , 123, 1309-19	7.3	174
366	Minimally invasive surgical method to detect sound processing in the cochlear apex by optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 25003	3.5	11
365	Review of optical coherence tomography based angiography in neuroscience. <i>Neurophotonics</i> , 2016 , 3, 010902	3.9	60
364	Intervolume analysis to achieve four-dimensional optical microangiography for observation of dynamic blood flow. <i>Journal of Biomedical Optics</i> , 2016 , 21, 36005	3.5	19
363	Moving-source elastic wave reconstruction for high-resolution optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 116006	3.5	4
362	Optic Disc Perfusion in Primary Open Angle and Normal Tension Glaucoma Eyes Using Optical Coherence Tomography-Based Microangiography. <i>PLoS ONE</i> , 2016 , 11, e0154691	3.7	89
361	Mechanical Characterization of Skin Using Surface Acoustic Waves 2016 , 327-340		
360	Optical coherence tomography based microangiography findings in hydroxychloroquine toxicity. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 178-83	3.6	8
359	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> , 2016 , 6, 125-33	3.6	51
358	Highly efficient eigen decomposition based statistical optical microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 557-563	3.6	18
357	OCT Study of Mechanical Properties Associated with Trabecular Meshwork and Collector Channel Motion in Human Eyes. <i>PLoS ONE</i> , 2016 , 11, e0162048	3.7	25
356	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Glaucoma Using Optical Coherence Tomography-Based Microangiography 2016 , 57, OCT475-85		89
355	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> , 2016 , 7, 4734-4748	3.5	54
354	Cerebral capillary velocimetry based on temporal OCT speckle contrast. <i>Biomedical Optics Express</i> , 2016 , 7, 4859-4873	3.5	24

353	Quantifying Microvascular Density and Morphology in Diabetic Retinopathy Using Spectral-Domain Optical Coherence Tomography Angiography 2016 , 57, OCT362-70		298
352	Quantitative Assessment of Anterior Segment Inflammation in a Rat Model of Uveitis Using Spectral-Domain Optical Coherence Tomography 2016 , 57, 3567-75		19
351	Quantitative measurement and real-time tracking of high intensity focused ultrasound using phase-sensitive optical coherence tomography: Feasibility study. <i>International Journal of Hyperthermia</i> , 2016 , 32, 713-22	3.7	1
350	External Compression Versus Intravascular Injection: A Mechanistic Animal Model of Filler-Induced Tissue Ischemia. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2016 , 32, 261-6	1.4	27
349	Characterizing relationship between optical microangiography signals and capillary flow using microfluidic channels. <i>Biomedical Optics Express</i> , 2016 , 7, 2709-28	3.5	34
348	Monitoring of Microcirculation in Burn Healing Process with Optical Microangiography. <i>Advances in Wound Care</i> , 2016 , 5, 332-337	4.8	9
347	Scalable wide-field optical coherence tomography-based angiography for in vivo imaging applications. <i>Biomedical Optics Express</i> , 2016 , 7, 1905-19	3.5	29
346	Quantitative assessment of the retinal microvasculature using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 66008	3.5	155
345	Evaluation of bilateral central retinal artery occlusions with optical coherence tomography-based microangiography: a case report. <i>Journal of Medical Case Reports</i> , 2016 , 10, 307	1.2	7
344	Impaired Collateral Flow Compensation During Chronic Cerebral Hypoperfusion in the Type 2 Diabetic Mice. <i>Stroke</i> , 2016 , 47, 3014-3021	6.7	16
343	Air-coupled acoustic radiation force for non-contact generation of broadband mechanical waves in soft media. <i>Applied Physics Letters</i> , 2016 , 109, 043701	3.4	27
342	Acoustic micro-tapping for non-contact 4D imaging of tissue elasticity. <i>Scientific Reports</i> , 2016 , 6, 38967	4.9	75
341	Wide-field optical coherence tomography based microangiography for retinal imaging. <i>Scientific Reports</i> , 2016 , 6, 22017	4.9	89
340	Re: Spaide et al.: Volume-rendering optical coherence tomography angiography of macular telangiectasia type 2 (<i>Ophthalmology</i> 2015;122:2261-9). <i>Ophthalmology</i> , 2016 , 123, e24	7.3	5
339	Video-rate volumetric optical coherence tomography-based microangiography. <i>Optical Engineering</i> , 2016 , 55, 040503	1.1	4
338	Wide-field optical coherence tomography angiography enabled by two repeated measurements of B-scans. <i>Optics Letters</i> , 2016 , 41, 2330-3	3	30
337	Quantifying Retinal Microvascular Changes in Uveitis Using Spectral-Domain Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2016 , 171, 101-112	4.9	109
336	Depth-resolved 3D visualization of coronary microvasculature with optical microangiography. <i>Physics in Medicine and Biology</i> , 2016 , 61, 7536-7550	3.8	8

335	The mitochondrial permeability transition pore regulates endothelial bioenergetics and angiogenesis. <i>Circulation Research</i> , 2015 , 116, 1336-45	15.7	24
334	Evaluation of the effect of elevated intraocular pressure and reduced ocular perfusion pressure on retinal capillary bed filling and total retinal blood flow in rats by OMAG/OCT. <i>Microvascular Research</i> , 2015 , 101, 86-95	3.7	31
333	High resolution imaging of acne lesion development and scarring in human facial skin using OCT-based microangiography. <i>Lasers in Surgery and Medicine</i> , 2015 , 47, 231-8	3.6	36
332	High-speed imaging of remotely induced shear waves using phase-sensitive optical coherence tomography 2015 ,		1
331	Amplitude-modulated ultrasound radiation force combined with phase-sensitive optical coherence tomography for shear wave elastography 2015 ,		1
330	Shear wave elastography using amplitude-modulated acoustic radiation force and phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015 , 20, 016001	3.5	42
329	Optical coherence tomography based microangiography for quantitative monitoring of structural and vascular changes in a rat model of acute uveitis in vivo: a preliminary study. <i>Journal of Biomedical Optics</i> , 2015 , 20, 016015	3.5	13
328	Quantitative shear wave optical coherence elastography (SW-OCE) with acoustic radiation force impulses (ARFI) induced by phase array transducer 2015 ,		1
327	4D optical coherence tomography-based micro-angiography achieved by 1.6-MHz FDML swept source. <i>Optics Letters</i> , 2015 , 40, 1779-82	3	44
326	Wide-field imaging of retinal vasculature using optical coherence tomography-based microangiography provided by motion tracking. <i>Journal of Biomedical Optics</i> , 2015 , 20, 066008	3.5	77
325	Optical Microangiography Based on Optical Coherence Tomography 2015 , 1373-1397		1
324	Efficient method to suppress artifacts caused by tissue hyper-reflections in optical microangiography of retina in vivo. <i>Biomedical Optics Express</i> , 2015 , 6, 1195-208	3.5	14
323	Feature space optical coherence tomography based micro-angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 1919-28	3.5	24
322	In vivo tissue injury mapping using optical coherence tomography based methods. <i>Applied Optics</i> , 2015 , 54, 6448-53	0.2	20
321	Methods and algorithms for optical coherence tomography-based angiography: a review and comparison. <i>Journal of Biomedical Optics</i> , 2015 , 20, 100901	3.5	240
320	Mapping transverse velocity of particles in capillary vessels by time-varying laser speckle through perturbation analyses. <i>Optics Letters</i> , 2015 , 40, 1896-9	3	6
319	Swept-source optical coherence tomography powered by a 1.3- μ m vertical cavity surface emitting laser enables 2.3-mm-deep brain imaging in mice in vivo. <i>Journal of Biomedical Optics</i> , 2015 , 20, 106004	3.5	29
318	Vasodynamics of pial and penetrating arterioles in relation to arteriolo-arteriolar anastomosis after focal stroke. <i>Neurophotonics</i> , 2015 , 2, 025006	3.9	38

317	Detection and characterisation of biopsy tissue using quantitative optical coherence elastography (OCE) in men with suspected prostate cancer. <i>Cancer Letters</i> , 2015 , 357, 121-128	9.9	43
316	Capillary blood flow imaging within human finger cuticle using optical microangiography. <i>Journal of Biophotonics</i> , 2015 , 8, 46-51	3.1	40
315	In vivo blood flow imaging of inflammatory human skin induced by tape stripping using optical microangiography. <i>Journal of Biophotonics</i> , 2015 , 8, 265-72	3.1	21
314	Segmentation and quantification of blood vessels for OCT-based micro-angiograms using hybrid shape/intensity compounding. <i>Microvascular Research</i> , 2015 , 97, 37-46	3.7	35
313	Protective role of p450 epoxyeicosanoids in subarachnoid hemorrhage. <i>Neurocritical Care</i> , 2015 , 22, 306-319	3.9	23
312	Macro-to-micro cortical vascular imaging underlies regional differences in ischemic brain. <i>Scientific Reports</i> , 2015 , 5, 10051	4.9	22
311	Development of a phase-sensitive Fourier domain optical coherence tomography system to measure mouse organ of Corti vibrations in two cochlear turns 2015 ,		1
310	Depth Evaluation of Soft Tissue Mimicking Phantoms Using Surface Acoustic Waves. <i>Physica Procedia</i> , 2015 , 63, 177-181		2
309	Lymphatic response to depilation-induced inflammation in mouse ear assessed with label-free optical lymphangiography. <i>Lasers in Surgery and Medicine</i> , 2015 , 47, 669-76	3.6	13
308	SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF NEOVASCULAR MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , 2015 , 35, 2285-99	3.6	84
307	Simultaneously Measuring Red Blood Cell Flux in vivo for a Large Number of Retinal Capillary Vessels Using Optical Coherence Tomography. <i>Microscopy and Microanalysis</i> , 2015 , 21, 391-392	0.5	
306	Full skin quantitative optical coherence elastography achieved by combining vibration and surface acoustic wave methods 2015 ,		4
305	Impaired leptomeningeal collateral flow contributes to the poor outcome following experimental stroke in the Type 2 diabetic mice. <i>Journal of Neuroscience</i> , 2015 , 35, 3851-64	6.6	42
304	Quantitative shear-wave optical coherence elastography with a programmable phased array ultrasound as the wave source. <i>Optics Letters</i> , 2015 , 40, 5007-10	3	31
303	In vivo assessment of wall strain in embryonic chick heart by spectral domain optical coherence tomography. <i>Applied Optics</i> , 2015 , 54, 9253-7	0.2	13
302	Bandage Soft Contact Lenses for Ocular Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2015 , 21, 2002-7	4.7	30
301	Minimizing projection artifacts for accurate presentation of choroidal neovascularization in OCT micro-angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 4130-43	3.5	138
300	MEMS scanning micromirror for optical coherence tomography. <i>Biomedical Optics Express</i> , 2015 , 6, 211-245	3.5	19

299	Geographic mapping of choroidal thickness in myopic eyes using 1050-nm spectral domain optical coherence tomography. <i>Journal of Innovative Optical Health Sciences</i> , 2015 , 8, 1550012	1.2	11
298	Anterior segment optical coherence tomography evaluation of ocular graft-versus-host disease: a case study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015 , 5, 163-70	3.6	4
297	Pulsatile motion of trabecular meshwork in a patient with iris cyst by phase-sensitive optical coherence tomography: a case report. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015 , 5, 171-3	3.6	6
296	Optical Tissue Clearing to Enhance Imaging Performance for OCT 2015 , 1455-1487		1
295	Optical Coherence Tomography in Tissue Engineering 2015 , 1965-2001		
294	Multifunctional 1050 nm Spectral Domain OCT System at 147 kHz for Posterior Eye Imaging. <i>Sovremennye Tehnologii V Medicine</i> , 2015 , 7, 7-12	1.2	2
293	Intracisternal administration of tissue plasminogen activator improves cerebrospinal fluid flow and cortical perfusion after subarachnoid hemorrhage in mice. <i>Translational Stroke Research</i> , 2014 , 5, 227-37	7.8	35
292	Overexpression of adenosine kinase in cortical astrocytes and focal neocortical epilepsy in mice. <i>Journal of Neurosurgery</i> , 2014 , 120, 628-38	3.2	29
291	Filtering of acoustic signals within the hearing organ. <i>Journal of Neuroscience</i> , 2014 , 34, 9051-8	6.6	29
290	Near-Infrared Selective and Angle-Independent Backscattering from Magnetite Nanoparticle-Decorated Diatom Frustules. <i>ACS Photonics</i> , 2014 , 1, 477-482	6.3	8
289	Motion artifact and background noise suppression on optical microangiography frames using a naïve Bayes mask. <i>Applied Optics</i> , 2014 , 53, 4164-71	1.7	9
288	Automated choroidal segmentation method in human eye with 1050nm optical coherence tomography 2014 ,		2
287	Quantitative elasticity measurement of urinary bladder wall using laser-induced surface acoustic waves. <i>Biomedical Optics Express</i> , 2014 , 5, 4313-28	3.5	31
286	Visualizing ultrasonically induced shear wave propagation using phase-sensitive optical coherence tomography for dynamic elastography. <i>Optics Letters</i> , 2014 , 39, 838-41	3	51
285	Noninvasive imaging of retinal morphology and microvasculature in obese mice using optical coherence tomography and optical microangiography 2014 , 55, 1024-30		41
284	Feasibility of a hybrid elastographic-microfluidic device to rapidly process and assess pancreatic cancer biopsies for pathologists 2014 , 2014, 271-275		
283	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> , 2014 , 19, 106013	3.5	34
282	Shear wave pulse compression for dynamic elastography using phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 16013	3.5	35

281	Full anterior segment biometry with extended imaging range spectral domain optical coherence tomography at 1340 nm. <i>Journal of Biomedical Optics</i> , 2014 , 19, 046013	3.5	24
280	Shear wave elastography using phase sensitive optical coherence tomography 2014 ,		3
279	User-guided segmentation for volumetric retinal optical coherence tomography images. <i>Journal of Biomedical Optics</i> , 2014 , 19, 086020	3.5	105
278	In vivo imaging of functional microvasculature within tissue beds of oral and nasal cavities by swept-source optical coherence tomography with a forward/side-viewing probe. <i>Biomedical Optics Express</i> , 2014 , 5, 2620-34	3.5	27
277	Analysis of cross-sectional image filters for evaluating nonaveraged optical microangiography images. <i>Applied Optics</i> , 2014 , 53, 806-15	1.7	6
276	In vivo OCT microangiography of rodent iris. <i>Optics Letters</i> , 2014 , 39, 2455-8	3	20
275	Shear wave elastography of ex vivo human corneas using phase-sensitive optical coherence tomography 2014 ,		1
274	Multimodal optical imaging can reveal changes in microcirculation and tissue oxygenation during skin wound healing. <i>Lasers in Surgery and Medicine</i> , 2014 , 46, 470-8	3.6	16
273	Volumetric cutaneous microangiography of human skin by VCSEL swept-source optical coherence tomography. <i>Quantum Electronics</i> , 2014 , 44, 740	1.8	13
272	Simultaneous estimation of bidirectional particle flow and relative flux using MUSIC-OCT: phantom studies. <i>Physics in Medicine and Biology</i> , 2014 , 59, 6693-708	3.8	15
271	Functional evaluation of hemodynamic response during neural activation using optical microangiography integrated with dual-wavelength laser speckle imaging. <i>Journal of Biomedical Optics</i> , 2014 , 19, 026013	3.5	4
270	Optical coherence tomography microangiography for monitoring the response of vascular perfusion to external pressure on human skin tissue. <i>Journal of Biomedical Optics</i> , 2014 , 19, 056003	3.5	22
269	Association of GALNT3 gene polymorphisms with bone mineral density in Chinese postmenopausal women: the Peking Vertebral Fracture study. <i>Menopause</i> , 2014 , 21, 515-21	2.5	9
268	Assessment of microcirculation dynamics during cutaneous wound healing phases in vivo using optical microangiography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 76015	3.5	22
267	Does optical microangiography provide accurate imaging of capillary vessels?: validation using multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2014 , 19, 106011	3.5	13
266	Improved microcirculation imaging of human skin in vivo using optical microangiography with a correlation mapping mask. <i>Journal of Biomedical Optics</i> , 2014 , 19, 36010	3.5	47
265	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> , 2014 , 5, 1403-19	3.5	33
264	Laser speckle contrast imaging of skin blood perfusion responses induced by laser coagulation. <i>Quantum Electronics</i> , 2014 , 44, 746-750	1.8	2

263	Label-free optical imaging of lymphatic vessels within tissue beds. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 6800510	3.8	14
262	Association of genetic variants of vit D binding protein (DBP/GC) and of the enzyme catalyzing its 25-hydroxylation (DCYP2R1) and serum vit D in postmenopausal women. <i>Hormones</i> , 2014 , 13, 345-52	3.1	12
261	Application of thinned-skull cranial window to mouse cerebral blood flow imaging using optical microangiography. <i>PLoS ONE</i> , 2014 , 9, e113658	3.7	36
260	Swept-source OCT angiography of macular telangiectasia type 2. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014 , 45, 369-80	1.4	82
259	Swept-source OCT angiography of the retinal vasculature using intensity differentiation-based optical microangiography algorithms. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014 , 45, 382-9	1.4	153
258	Motion-contrast laser speckle imaging of microcirculation within tissue beds in vivo. <i>Journal of Biomedical Optics</i> , 2013 , 18, 060508	3.5	8
257	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> , 2013 , 33, 17314-25	6.6	60
256	Frequency dependence of laser ultrasonic SAW phase velocities measurements. <i>Ultrasonics</i> , 2013 , 53, 191-5	3.5	3
255	Optical Coherence Tomography: Light Scattering and Imaging Enhancement 2013 , 665-742		6
254	Variable-range Doppler optical microangiography using stabilized step scanning and phase variance binarized mask 2013 ,		1
253	Extended imaging depth to 12 mm for 1050-nm spectral domain optical coherence tomography for imaging the whole anterior segment of the human eye at 120-kHz A-scan rate. <i>Journal of Biomedical Optics</i> , 2013 , 18, 16012	3.5	29
252	Wide velocity range Doppler optical microangiography using optimized step-scanning protocol with phase variance mask. <i>Journal of Biomedical Optics</i> , 2013 , 18, 106015	3.5	31
251	Measurement of in vivo basal-turn vibrations of the organ of Corti using phase-sensitive Fourier domain optical coherence tomography 2013 ,		2
250	Noninvasive imaging of pulsatile movements of the optic nerve head in normal human subjects using phase-sensitive spectral domain optical coherence tomography. <i>Optics Letters</i> , 2013 , 38, 1512-4	3	14
249	High-resolution 1050 nm spectral domain retinal optical coherence tomography at 120 kHz A-scan rate with 6.1 mm imaging depth. <i>Biomedical Optics Express</i> , 2013 , 4, 245-59	3.5	28
248	Super-resolution spectral estimation of optical micro-angiography for quantifying blood flow within microcirculatory tissue beds in vivo. <i>Biomedical Optics Express</i> , 2013 , 4, 1214-28	3.5	27
247	Pulsatile motion of the trabecular meshwork in healthy human subjects quantified by phase-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2013 , 4, 2051-65	3.5	58
246	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> , 2013 , 18, 86004	3.5	39

245	Tracking mechanical wave propagation within tissue using phase-sensitive optical coherence tomography: motion artifact and its compensation. <i>Journal of Biomedical Optics</i> , 2013 , 18, 121505	3.5	79
244	Shear modulus imaging by direct visualization of propagating shear waves with phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013 , 18, 121509	3.5	64
243	Quantitative evaluation of degenerated tendon model using combined optical coherence elastography and acoustic radiation force method. <i>Journal of Biomedical Optics</i> , 2013 , 18, 111417	3.5	29
242	Depth-resolved dual-beamlet vibrometry based on Fourier domain low coherence interferometry. <i>Journal of Biomedical Optics</i> , 2013 , 18, 036003	3.5	8
241	Optical Coherence Tomography: Technical Aspects 2013 , 163-212		0
240	Tracking dynamic microvascular changes during healing after complete biopsy punch on the mouse pinna using optical microangiography. <i>PLoS ONE</i> , 2013 , 8, e57976	3.7	23
239	Stripe motion artifact suppression in phase-resolved OCT blood flow images of the human eye based on the frequency rejection filter. <i>Chinese Optics Letters</i> , 2013 , 11, 031701-31705	2.2	7
238	Uniform enhancement of optical micro-angiography images using Rayleigh contrast-limited adaptive histogram equalization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013 , 3, 5-17	3.6	15
237	Changes in cochlear blood flow in mice due to loud sound exposure measured with Doppler optical microangiography and laser Doppler flowmetry. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013 , 3, 235-42	3.6	7
236	Application of amplitude and phase registration in blood flow imaging using optical coherence tomography. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013 , 62, 158702	0.6	1
235	A comparison of laser ultrasound measurements and finite element simulations for evaluating the elastic properties of tissue mimicking phantoms. <i>Optics and Laser Technology</i> , 2012 , 44, 866-871	4.2	7
234	Inhibition of Factor XII-Mediated Activation of Factor XI Provides Protection Against Experimental Acute Ischemic Stroke in Mice. <i>Translational Stroke Research</i> , 2012 , 3, 381-9	7.8	34
233	Optical Microangiography: Theory and Application 2012 , 197-258		
232	A haplotype of MATN3 is associated with vertebral fracture in Chinese postmenopausal women: Peking Vertebral Fracture (PK-VF) study. <i>Bone</i> , 2012 , 50, 917-24	4.7	6
231	Multifunctional nanoprobe to enhance the utility of optical based imaging techniques. <i>Journal of Biomedical Optics</i> , 2012 , 17, 016015	3.5	12
230	Biomechanics of the chick embryonic heart outflow tract at HH18 using 4D optical coherence tomography imaging and computational modeling. <i>PLoS ONE</i> , 2012 , 7, e40869	3.7	49
229	Monitoring hypoxia induced changes in cochlear blood flow and hemoglobin concentration using a combined dual-wavelength laser speckle contrast imaging and Doppler optical microangiography system. <i>PLoS ONE</i> , 2012 , 7, e52041	3.7	14
228	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> , 2012 , 9, 831-41	4.1	153

227	Evaluating elastic properties of heterogeneous soft tissue by surface acoustic waves detected by phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012 , 17, 057002	3.5	19
226	Quantifying optical microangiography images obtained from a spectral domain optical coherence tomography system. <i>International Journal of Biomedical Imaging</i> , 2012 , 2012, 509783	5.2	118
225	In vivo functional imaging of blood flow and wall strain rate in outflow tract of embryonic chick heart using ultrafast spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012 , 17, 96006-1	3.5	16
224	Extracting cardiac shapes and motion of the chick embryo heart outflow tract from four-dimensional optical coherence tomography images. <i>Journal of Biomedical Optics</i> , 2012 , 17, 96005-1	3.5	17
223	Optical microangiography provides correlation between microstructure and microvasculature of optic nerve head in human subjects. <i>Journal of Biomedical Optics</i> , 2012 , 17, 116018	3.5	28
222	Fast synchronized dual-wavelength laser speckle imaging system for monitoring hemodynamic changes in a stroke mouse model. <i>Optics Letters</i> , 2012 , 37, 4005-7	3	27
221	Hemodynamic and morphological vasculature response to a burn monitored using a combined dual-wavelength laser speckle and optical microangiography imaging system. <i>Biomedical Optics Express</i> , 2012 , 3, 455-66	3.5	29
220	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> , 2012 , 3, 2220-33	3.5	65
219	Digital focusing of OCT images based on scalar diffraction theory and information entropy. <i>Biomedical Optics Express</i> , 2012 , 3, 2774-83	3.5	15
218	Optical microangiography of retina and choroid and measurement of total retinal blood flow in mice. <i>Biomedical Optics Express</i> , 2012 , 3, 2976-86	3.5	32
217	Photoacoustic microscopy achieved by microcavity synchronous parallel acquisition technique. <i>Optics Express</i> , 2012 , 20, 5802-8	3.3	9
216	Quantitative elastography provided by surface acoustic waves measured by phase-sensitive optical coherence tomography. <i>Optics Letters</i> , 2012 , 37, 722-4	3	81
215	Noncontact all-optical measurement of corneal elasticity. <i>Optics Letters</i> , 2012 , 37, 1625-7	3	81
214	Label-free 3D imaging of microstructure, blood, and lymphatic vessels within tissue beds in vivo. <i>Optics Letters</i> , 2012 , 37, 812-4	3	17
213	Effects of hypoxia on cochlear blood flow in mice evaluated using Doppler optical microangiography. <i>Journal of Biomedical Optics</i> , 2012 , 17, 106003	3.5	13
212	Automated segmentation of intramacular layers in Fourier domain optical coherence tomography structural images from normal subjects. <i>Journal of Biomedical Optics</i> , 2012 , 17, 046011	3.5	10
211	Phase-sensitive optical coherence tomography characterization of pulse-induced trabecular meshwork displacement in ex vivo nonhuman primate eyes. <i>Journal of Biomedical Optics</i> , 2012 , 17, 076026	3.5	43
210	Optical coherence tomography provides an ability to assess mechanical property of cardiac wall of developing outflow tract in embryonic heart in vivo. <i>Journal of Biomedical Optics</i> , 2012 , 17, 120502	3.5	8

209	Feasibility of spectral-domain phase-sensitive optical coherence tomography for middle ear vibrometry. <i>Journal of Biomedical Optics</i> , 2012 , 17, 060505	3.5	35
208	Quantitative elastography of skin and skin lesion using phase-sensitive OCT (PhS-OCT) and surface wave method 2012 ,		2
207	In vivo outer hair cell length changes expose the active process in the cochlea. <i>PLoS ONE</i> , 2012 , 7, e32753.	3.7	40
206	Label-free imaging of blood vessel morphology with capillary resolution using optical microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012 , 2, 207-12	3.6	15
205	Volumetric and quantitative imaging of retinal blood flow in rats with optical microangiography. <i>Biomedical Optics Express</i> , 2011 , 2, 579-91	3.5	63
204	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
203	Introduction: feature issue on In Vivo Microcirculation Imaging. <i>Biomedical Optics Express</i> , 2011 , 2, 1861-3.	3.5	5
202	High speed spectral domain optical coherence tomography for retinal imaging at 500,000 A-lines per second. <i>Biomedical Optics Express</i> , 2011 , 2, 2770-83	3.5	80
201	In vivo microstructural and microvascular imaging of the human corneo-scleral limbus using optical coherence tomography. <i>Biomedical Optics Express</i> , 2011 , 2, 3109-18	3.5	41
200	Elastic properties of soft tissue-mimicking phantoms assessed by combined use of laser ultrasonics and low coherence interferometry. <i>Optics Express</i> , 2011 , 19, 10153-63	3.3	64
199	Automatic estimation of point-spread-function for deconvoluting out-of-focus optical coherence tomographic images using information entropy-based approach. <i>Optics Express</i> , 2011 , 19, 18135-48	3.3	19
198	Full range complex ultrahigh sensitive optical microangiography. <i>Optics Letters</i> , 2011 , 36, 831-3	3	8
197	Measurement of particle concentration in flow by statistical analyses of optical coherence tomography signals. <i>Optics Letters</i> , 2011 , 36, 2143-5	3	17
196	Supercontinuum light source enables in vivo optical microangiography of capillary vessels within tissue beds. <i>Optics Letters</i> , 2011 , 36, 3169-71	3	25
195	Noncontact photoacoustic imaging achieved by using a low-coherence interferometer as the acoustic detector. <i>Optics Letters</i> , 2011 , 36, 3975-7	3	76
194	In vivo optical imaging of revascularization after brain trauma in mice. <i>Microvascular Research</i> , 2011 , 81, 73-80	3.7	32
193	Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds 2011 ,		1
192	Finite element simulation of laser generated surface waves in layered skin model: effect of laser beam characteristics 2011 ,		3

191	Eigendecomposition-based clutter filtering technique for optical micro-angiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58,	5	70
190	Measurement of strain and strain rate in embryonic chick heart in vivo using spectral domain optical coherence tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58,	5	18
189	Volumetric in vivo imaging of microvascular perfusion within the intact cochlea in mice using ultra-high sensitive optical microangiography. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 224-30	11.7	28
188	A differentially amplified motion in the ear for near-threshold sound detection. <i>Nature Neuroscience</i> , 2011 , 14, 770-4	25.5	130
187	Three-dimensional high-resolution imaging of gold nanorods uptake in sentinel lymph nodes. <i>Nano Letters</i> , 2011 , 11, 2938-43	11.5	82
186	In vivo volumetric imaging of microcirculation within human skin under psoriatic conditions using optical microangiography. <i>Lasers in Surgery and Medicine</i> , 2011 , 43, 122-9	3.6	62
185	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
184	Quantifying blood flow and wall shear stresses in the outflow tract of chick embryonic hearts. <i>Computers and Structures</i> , 2011 , 89, 855-867	4.5	34
183	Thrombin mutant W215A/E217A treatment improves neurological outcome and reduces cerebral infarct size in a mouse model of ischemic stroke. <i>Stroke</i> , 2011 , 42, 1736-41	6.7	20
182	Assessment of strain and strain rate in embryonic chick heart in vivo using tissue Doppler optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2011 , 56, 7081-92	3.8	26
181	Using ultrahigh sensitive optical microangiography to achieve comprehensive depth resolved microvasculature mapping for human retina. <i>Journal of Biomedical Optics</i> , 2011 , 16, 106013	3.5	75
180	Depth profiling of photothermal compound concentrations using phase sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011 , 16, 126003	3.5	20
179	Megahertz streak-mode Fourier domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011 , 16, 066016	3.5	12
178	High-speed 1310 nm-band spectral domain optical coherence tomography at 184,000 lines per second. <i>Journal of Biomedical Optics</i> , 2011 , 16, 060506	3.5	7
177	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
176	Multifunctional imaging of human retina and choroid with 1050-nm spectral domain optical coherence tomography at 92-kHz line scan rate. <i>Journal of Biomedical Optics</i> , 2011 , 16, 050503	3.5	30
175	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
174	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

173	High-resolution wide-field imaging of retinal and choroidal blood perfusion with optical microangiography. <i>Journal of Biomedical Optics</i> , 2010 , 15, 026011	3.5	69
172	Volumetric in vivo imaging of intracochlear microstructures in mice by high-speed spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2010 , 15, 036024	3.5	32
171	Full Range Complex Spectral Domain Optical Coherence Tomography for Volumetric Imaging at 47,000 A Scans per Second. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 84003	1.7	9
170	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
169	Optical microangiography provides depth-resolved images of directional ocular blood perfusion in posterior eye segment. <i>Journal of Biomedical Optics</i> , 2010 , 15, 020502	3.5	35
168	Three-dimensional optical imaging of microvascular networks within intact lymph node in vivo. <i>Journal of Biomedical Optics</i> , 2010 , 15, 050501	3.5	23
167	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
166	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> , 2010 , 15, 056005	3.5	89
165	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> , 2010 , 1, 798-811	3.5	50
164	Ultrahigh sensitive optical microangiography for in vivo imaging of microcirculations within human skin tissue beds. <i>Optics Express</i> , 2010 , 18, 8220-8	3.3	236
163	High-resolution computed tomography of refractive index distribution by transillumination low-coherence interferometry. <i>Optics Letters</i> , 2010 , 35, 91-3	3	5
162	Depth-resolved imaging of capillary networks in retina and choroid using ultrahigh sensitive optical microangiography. <i>Optics Letters</i> , 2010 , 35, 1467-9	3	273
161	Autocorrelation optical coherence tomography for mapping transverse particle-flow velocity. <i>Optics Letters</i> , 2010 , 35, 3538-40	3	52
160	Ultra-high speed full range complex spectral domain optical coherence tomography for volumetric imaging at 140,000 A scans per second 2010 ,		3
159	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> , 2010 , 16, 545-554	3.8	97
158	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
157	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
156	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

155	Epoxyeicosanoids as mediators of neurogenic vasodilation in cerebral vessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1352-63	5.2	68
154	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> , 2009 , 14, 044020	3.5	50
153	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
152	Dynamic variation of hemodynamic shear stress on the walls of developing chick hearts: computational models of the heart outflow tract. <i>Engineering With Computers</i> , 2009 , 25, 73-86	4.5	14
151	Role of soluble epoxide hydrolase in the sex-specific vascular response to cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 1475-81	7.3	65
150	Brainstem control of cerebral blood flow and application to acute vasospasm following experimental subarachnoid hemorrhage. <i>Neuroscience</i> , 2009 , 163, 719-29	3.9	18
149	Optical Microangiography: High-Resolution 3-D Imaging of Blood Flow. <i>Optics and Photonics News</i> , 2009 , 20, 40	1.9	3
148	Doppler optical micro-angiography for volumetric imaging of vascular perfusion in vivo. <i>Optics Express</i> , 2009 , 17, 8926-40	3.3	170
147	Volumetric Imaging of Blood Flow within Cochlea in Gerbil in vivo. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009 , PP, 1-6	3.8	24
146	Directional blood flow imaging in volumetric optical microangiography achieved by digital frequency modulation. <i>Optics Letters</i> , 2008 , 33, 1878-80	3	25
145	Statistics of local speckle contrast. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008 , 25, 9-15	1.8	103
144	In vivo volumetric imaging of vascular perfusion within human retina and choroids with optical micro-angiography. <i>Optics Express</i> , 2008 , 16, 11438-52	3.3	222
143	Availability of thiazone as an enhancer for optical clearing of skin tissue in vitro 2008 ,		3
142	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> , 2008 , 13, 021105	3.5	40
141	Quantitative analysis on tongue inspection in traditional Chinese medicine using optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2008 , 13, 011004	3.5	24
140	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> , 2008 , 53, 5077-91	3.8	70
139	Photoacoustic recovery of an absolute optical absorption coefficient with an exact solution of a wave equation. <i>Physics in Medicine and Biology</i> , 2008 , 53, 6167-77	3.8	16
138	Potential ability of hematoporphyrin to enhance an optical coherence tomographic image of gastric cancer in vivo in mice. <i>Physics in Medicine and Biology</i> , 2008 , 53, 6767-75	3.8	16

137	In vivo volumetric blood flow imaging using optical microangiography at capillary level resolution. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2008, 2008, 804</i>	0.9	4
136	Volumetric imaging of microcirculations in human retina and choroids in vivo by optical micro-angiography 2008,		2
135	Optical Tissue Clearing to Enhance Imaging Performance for OCT 2008, 855-886		4
134	Optical Coherence Tomography in Tissue Engineering 2008, 889-917		2
133	A novel optical coherence tomography-based micro-indentation technique for mechanical characterization of hydrogels. <i>Journal of the Royal Society Interface, 2007, 4, 1169-73</i>	4.1	45
132	Chitosan microchannel scaffolds for tendon tissue engineering characterized using optical coherence tomography. <i>Tissue Engineering, 2007, 13, 323-31</i>		99
131	Time-resolved simultaneous measurement of group index and physical thickness during photopolymerization of resin-based dental composite. <i>Journal of Biomedical Optics, 2007, 12, 014020</i>	3.5	12
130	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, 2007, 52, 5897-907</i>	3.8	40
129	Three-dimensional optical micro-angiography maps directional blood perfusion deep within microcirculation tissue beds in vivo. <i>Physics in Medicine and Biology, 2007, 52, N531-7</i>	3.8	33
128	Phase-sensitive optical coherence elastography for mapping tissue microstrains in real time. <i>Applied Physics Letters, 2007, 90, 164105</i>	3.4	118
127	Digital phase stabilization to improve detection sensitivity for optical coherence tomography. <i>Measurement Science and Technology, 2007, 18, 3365-3372</i>	2	19
126	Controlling optical properties of biotissue by the use of biocompatible hyperosmotic agents 2007, 6439, 55		
125	Optical coherence tomography (OCT) imaging and computer aided diagnosis of human cervical tissue specimens 2007,		3
124	Signal processing using wavelet transform in photo-acoustic tomography 2007,		4
123	Improved image-forming optics for transmission optical projection tomography 2007,		3
122	Use of a scanner to modulate spatial interferograms for in vivo full-range Fourier-domain optical coherence tomography. <i>Optics Letters, 2007, 32, 3423-5</i>	3	89
121	Random media characterization using the analysis of diffusing light data on the basis of an effective medium model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 711-23</i>	1.8	14
120	Quantitative temporal speckle contrast imaging for tissue mechanics. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 3728-34</i>	1.8	24

119	Three dimensional optical angiography. <i>Optics Express</i> , 2007 , 15, 4083-97	3.3	499
118	Spectral domain polarization sensitive optical coherence tomography achieved by single camera detection. <i>Optics Express</i> , 2007 , 15, 7950-61	3.3	32
117	Mapping of cerebro-vascular blood perfusion in mice with skin and skull intact by Optical Micro-AngioGraphy at 1.3 μm wavelength. <i>Optics Express</i> , 2007 , 15, 11402-12	3.3	103
116	Optimization of image-forming optics for transmission optical projection tomography. <i>Applied Optics</i> , 2007 , 46, 6815-20	1.7	8
115	In vivo full range complex Fourier domain optical coherence tomography. <i>Applied Physics Letters</i> , 2007 , 90, 054103	3.4	106
114	Regularized processing of signal deconvolution in photo-acoustic signal recovery 2007 ,		2
113	The potential role of optical coherence tomography in the evaluation of vulnerable carotid atheromatous plaques: a pilot study. <i>CardioVascular and Interventional Radiology</i> , 2006 , 29, 1039-45	2.7	9
112	Imaging using parallel integrals in optical projection tomography. <i>Physics in Medicine and Biology</i> , 2006 , 51, 6023-32	3.8	6
111	Investigation of optical coherence tomography as an imaging modality in tissue engineering. <i>Physics in Medicine and Biology</i> , 2006 , 51, 1649-59	3.8	91
110	Arbitrary Three-Phase Shifting Algorithm for Achieving Full Range Spectral Optical Coherence Tomography. <i>Chinese Physics Letters</i> , 2006 , 23, 366-369	1.8	11
109	Two-Dimensional Photoacoustic Imaging of Blood Vessel Networks within Biological Tissues. <i>Chinese Physics Letters</i> , 2006 , 23, 512-515	1.8	8
108	A practical approach to eliminate autocorrelation artefacts for volume-rate spectral domain optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2006 , 51, 3231-9	3.8	61
107	Comparable application of the OCT and Abbe refractometers for measurements of glycated hemoglobin portion in blood 2006 ,		2
106	Using Optical Coherence Tomography to Monitor Process of Wound Healing: a Preliminary Study 2006 ,		2
105	Tissue Doppler optical coherence elastography for real time strain rate and strain mapping of soft tissue. <i>Applied Physics Letters</i> , 2006 , 89, 144103	3.4	116
104	Simultaneous analysis of refractive index and physical thickness by Fourier domain optical coherence tomography. <i>IEE Proceedings: Optoelectronics</i> , 2006 , 153, 222		7
103	Real-time flow imaging by removing texture pattern artifacts in spectral-domain optical Doppler tomography. <i>Optics Letters</i> , 2006 , 31, 3001-3	3	58
102	Matrix approach to quantitative refractive index analysis by Fourier domain optical coherence tomography. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 1897-907	1.8	13

101	Imaging the mechanical stiffness of skin lesions by in vivo acousto-optical elastography. <i>Optics Express</i> , 2006 , 14, 9770-9	3-3	50
100	OCT-based elastography for large and small deformations. <i>Optics Express</i> , 2006 , 14, 11585-97	3-3	100
99	Layer dependent refractive index measurement by Fourier domain optical coherence tomography 2006 , 6079, 183		4
98	Monitoring tissue formation and organization of engineered tendon by optical coherence tomography 2006 ,		2
97	Simulation on sensitive detection of small absorber in photoacoustic tomography 2006 , 6047, 181		
96	Study cell invasion by optical techniques 2006 ,		1
95	The study of transport properties of multiple scattering media by low-coherence reflectometry 2006 , 6164, 149		
94	High-speed frequency-swept light source at 1550-nm for Fourier domain OCT with A-scanning rate at 20kHz 2006 , 6079, 195		1
93	Chance correlation in non-invasive glucose measurement using near-infrared spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2675-2681	3	21
92	A photoacoustic tomography system for imaging of biological tissues. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2640-2644	3	24
91	One specific velocity visualization in flows with complex geometry 2005 ,		3
90	Monitoring cell profile in tissue engineered constructs by OCT 2005 ,		8
89	Photoacoustic tomography imaging of biological tissues 2005 , 5630, 582		
88	Optoacoustic tomography and its recent advances in biomedical imaging 2005 , 5630, 89		
87	The clinical availability of oleic acid as an enhancer in optical clearing of skin tissue in vitro 2005 , 5696, 193		2
86	Application of optical coherence tomography for tissue engineering 2005 ,		1
85	Effect of laser and environmental parameters on reducing microbial contamination of stainless steel surfaces with Nd:YAG laser irradiation. <i>Journal of Applied Microbiology</i> , 2005 , 99, 934-44	4-7	4
84	Synergistic effect of hyperosmotic agents under topical application on optical clearing of skin tissue in vitro 2005 ,		5

83	Reduction of speckle noise for optical coherence tomography by the use of nonlinear anisotropic diffusion 2005 ,		8
82	A naturally occurring contrast agent for OCT imaging of smokers' lung. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2590-2596	3	6
81	Influence of contact state on NIR diffuse reflectance spectroscopy in vivo. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2691-2695	3	24
80	Spectral Optical Coherence Tomography Using Two-Phase Shifting Method. <i>Chinese Physics Letters</i> , 2005 , 22, 1909-1912	1.8	10
79	Effect of red blood cell aggregation and sedimentation on optical coherence tomography signals from blood samples. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2582-2589	3	20
78	Theory, developments and applications of optical coherence tomography. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2519-2535	3	409
77	The potential of optical coherence tomography in the engineering of living tissue. <i>Physics in Medicine and Biology</i> , 2004 , 49, 1097-1115	3.8	61
76	Use of optical coherence tomography in delineating airways microstructure: comparison of OCT images to histopathological sections. <i>Physics in Medicine and Biology</i> , 2004 , 49, 1247-55	3.8	49
75	Doppler optical coherence imaging of converging flow. <i>Physics in Medicine and Biology</i> , 2004 , 49, 1265-76.8		14
74	High-resolution visualization of fluid dynamics with Doppler optical coherence tomography. <i>Measurement Science and Technology</i> , 2004 , 15, 725-733	2	30
73	A theoretical model on optical clearing of biological tissue with chemical active agents 2004 ,		1
72	Visualisation of human subcutaneous blood vessels by increasing coherence probing depth. <i>Quantum Electronics</i> , 2004 , 34, 1157-1162	1.8	3
71	Role of mass diffusion and water desorption on optical clearing of biological tissue immersed with the hyperosmotic agents 2004 , 5330, 160		3
70	Monitoring of glycated hemoglobin by OCT measurement of refractive index 2004 ,		7
69	Theoretical model on optical clearing of biological tissue with semipermeable chemical agents 2004 , 5330, 215		2
68	Dynamic optical clearing effect of tissue impregnated with hyperosmotic agents and studied with optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2004 , 9, 200-6	3.5	79
67	Monitoring of lung tumour cell growth in artificial membranes. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 442-7	11.8	8
66	Doppler optical coherence tomography for measuring flow in engineered tissue. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 414-23	11.8	46

65	Improvement of low-level light imaging performance using optical clearing method. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 460-7	11.8	12
64	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> , 2004 , 49, 457-68	3.8	54
63	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> , 2004 , 49, 5283-94	3.8	64
62	50Mn18Cr4WN retaining ring macroresidual stress relieving by pulsating oil pressure. <i>Materials Letters</i> , 2004 , 58, 1340-1343	3.3	2
61	Vibratory stress relieving of welded sheet steels of low alloy high strength steel. <i>Materials Letters</i> , 2004 , 58, 1396-1399	3.3	26
60	The vibratory stress relief of a marine shafting of 35# bar steel. <i>Materials Letters</i> , 2004 , 58, 299-303	3.3	33
59	Noninvasive imaging of fluid dynamics with Doppler optical coherence tomography 2004 , 5330, 208		
58	Effect of dehydration on optical clearing and OCT imaging contrast after impregnation of biological tissue with biochemical agents 2004 ,		2
57	Determination of fluid flow-velocity independent of Doppler angle by optical coherence tomography 2004 , 5316, 136		
56	Investigation of flows with complex geometry using coherence domain tomography 2004 ,		2
55	Optical clearing of in vivo human skin with hyperosmotic chemicals investigated by optical coherence tomography and near-infrared reflectance spectroscopy 2004 ,		6
54	Application of optical coherence tomography for diagnosis and measurements of glycated hemoglobin 2003 , 5140, 125		2
53	Possible mechanisms for optical clearing of whole blood by dextrans 2003 ,		3
52	Enhance light penetration in tissue for high-resolution optical imaging techniques by the use of biocompatible chemical agents 2003 ,		6
51	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> , 2003 , 32, 355-62	1.9	35
50	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003 , 9, 234-242	3.8	41
49	Effect of dextran-induced changes in refractive index and aggregation on optical properties of whole blood. <i>Physics in Medicine and Biology</i> , 2003 , 48, 1205-21	3.8	56
48	The role of water desorption on optical clearing of biotissue: studied with near infrared reflectance spectroscopy. <i>Medical Physics</i> , 2003 , 30, 1246-53	4.4	45

47	Determination of flow velocity vector based on Doppler shift and spectrum broadening with optical coherence tomography. <i>Optics Letters</i> , 2003 , 28, 1227-9	3	54
46	Enhanced sensitivity and spatial resolution for in vivo imaging with low-level light-emitting probes by use of biocompatible chemical agents. <i>Optics Letters</i> , 2003 , 28, 2076-8	3	9
45	Theoretical model of optical coherence tomography for system optimization and characterization. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 1792-803	1.8	18
44	Observations of birefringence in tissues from optic-fibre-based optical coherence tomography. <i>Measurement Science and Technology</i> , 2003 , 14, 41-46	2	12
43	Imaging of non-parabolic velocity profiles in converging flow with optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2003 , 48, 2907-18	3.8	18
42	Optical clearing effect on gastric tissues immersed with biocompatible chemical agents investigated by near infrared reflectance spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 1707-1713 ²⁹		
41	Propylene glycol as a contrasting agent for optical coherence tomography to image gastrointestinal tissues. <i>Lasers in Surgery and Medicine</i> , 2002 , 30, 201-8	3.6	103
40	Optical coherent techniques for study of blood sedimentation and aggregation 2002 , 4619, 149		
39	Tissue clearing as a tool to enhance imaging capability for optical coherence tomography 2002 ,		6
38	Does light scattering affect the OCT quantitation of redox state of cytochrome oxidase in bone tissue? 2002 , 4619, 219		
37	Formulation of beam propagating through the organized tissues with polarization-sensitive OCT 2002 , 4916, 293		
36	Dynamic optical coherence tomography in studies of optical clearing, sedimentation, and aggregation of immersed blood. <i>Applied Optics</i> , 2002 , 41, 258-71	1.7	118
35	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> , 2002 , 47, 2281-99	3.8	110
34	Enhance light penetration in tissue for high resolution optical imaging techniques by the use of biocompatible chemical agents. <i>Journal of X-Ray Science and Technology</i> , 2002 , 10, 167-76	2.1	14
33	In-vitro monitoring of redox state of cytochrome oxidase in bone by optical coherence quantitation based on low-coherence interferometry 2001 , 4251, 117		
32	High-resolution imaging of colonic mucosa using optical coherence tomography 2001 , 4251, 242		1
31	High-resolution optical tomographic imaging of soft biological tissues 2001 , 4241, 147		3
30	Blood immersion and sedimentation study using OCT technique 2001 ,		1

29	In-vitro imaging of bone tissue and monitoring of tissue viability by optical coherence tomography 2001 ,		2
28	Immersion technique as a tool for in-depth OCT imaging through human blood and body's interior tissues 2001 ,		1
27	Whole blood and RBC sedimentation and aggregation study using OCT 2001 ,		3
26	Sedimentation of immersed blood studied by OCT 2001 ,		4
25	A path-integral model of light scattered by turbid media. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 1453-1472	1.3	11
24	Vertex/propagator model for least-scattered photons traversing a turbid medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001 , 18, 224-31	1.8	5
23	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> , 2001 , 18, 948	1.7	155
22	Homodyne mixing of scattered light as a novel technique for the measurement of ciliary beat frequency 2000 , 3915, 170		
21	Bactericidal action of high-power Nd:YAG laser light on Escherichia coli in saline suspension. <i>Journal of Applied Microbiology</i> , 2000 , 89, 517-25	4.7	35
20	Modelling optical properties of soft tissue by fractal distribution of scatterers. <i>Journal of Modern Optics</i> , 2000 , 47, 103-120	1.1	83
19	High-resolution optical tomographic imaging of human gastrointestinal tissue in vitro with optical coherence tomography 2000 ,		2
18	Resolution improved optical coherence-gated tomography for imaging through biological tissues. <i>Journal of Modern Optics</i> , 1999 , 46, 1905-1912	1.1	20
17	Space-variant optical correlation by the use of random binary phase modulation. <i>Journal of Modern Optics</i> , 1998 , 45, 653-659	1.1	2
16	Fast algorithm to determine optical properties of a turbid medium from time-resolved measurements. <i>Applied Optics</i> , 1998 , 37, 7342-51	1.7	7
15	Temperature distribution in Escherichia coli liquid suspensions during irradiation by a high-power Nd:YAG laser for sterilization applications. <i>Journal of Biomedical Optics</i> , 1997 , 2, 295-303	3.5	3
14	Frequency multiplexed DOG filter. <i>Optics and Lasers in Engineering</i> , 1997 , 27, 161-177	4.6	2
13	Modified fringe-adjusted joint transform correlation to accommodate noise in the input scene. <i>Applied Optics</i> , 1996 , 35, 286-96	1.7	18
12	Random phase encoding for optical security. <i>Optical Engineering</i> , 1996 , 35, 2464	1.1	163

11	Joint transform correlator performing pure phase correlation for optical pattern recognition. <i>Journal of Modern Optics</i> , 1996 , 43, 2019-2035	1.1	2
10	Assessment of a Wiener filter synthetic discriminant function for optical correlation. <i>Optics and Lasers in Engineering</i> , 1995 , 22, 33-51	4.6	6
9	Synthetic discriminant function fringe-adjusted joint transform correlator. <i>Optical Engineering</i> , 1995 , 34, 2935	1.1	7
8	Multilevel phase- and amplitude-encoded modified-filter synthetic-discriminant-function filters. <i>Applied Optics</i> , 1995 , 34, 4094-104	1.7	2
7	Wiener filter: synthetic discriminant function for target identification 1995 , 2484, 616		1
6	Tuneable edge enhancement filters for optical correlation. <i>Optics and Lasers in Engineering</i> , 1995 , 23, 75-91	4.6	4
5	Noise robustness of tuneable photo-refractive filters. <i>Optics and Lasers in Engineering</i> , 1994 , 21, 297-306	4.6	2
4	Modified filter synthetic discriminant functions for improved optical correlator performance. <i>Applied Optics</i> , 1994 , 33, 7646-54	1.7	5
3	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence		2
2	Modelling optical properties of soft tissue by fractal distribution of scatterers		13
1	Resolution improved optical coherence-gated tomography for imaging through biological tissues		4