

Ruikang K Wang

List of Publications by Year in descending order

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752
papers

22,574
citations

10351

72
h-index

20307

116
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769
all docs

769
docs citations

769
times ranked

11548
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.3	675
2	Three dimensional optical angiography. <i>Optics Express</i> , 2007, 15, 4083.	1.7	632
3	Theory, developments and applications of optical coherence tomography. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 2519-2535.	1.3	529
4	Quantifying Microvascular Density and Morphology in Diabetic Retinopathy Using Spectral-Domain Optical Coherence Tomography Angiography. , 2016, 57, OCT362.		408
5	Depth-resolved imaging of capillary networks in retina and choroid using ultrahigh sensitive optical microangiography. <i>Optics Letters</i> , 2010, 35, 1467.	1.7	350
6	Optical coherence tomography based angiography [Invited]. <i>Biomedical Optics Express</i> , 2017, 8, 1056.	1.5	342
7	Ultrahigh sensitive optical microangiography for in vivo imaging of microcirculations within human skin tissue beds. <i>Optics Express</i> , 2010, 18, 8220.	1.7	310
8	In vivo volumetric imaging of vascular perfusion within human retina and choroids with optical micro-angiography. <i>Optics Express</i> , 2008, 16, 11438.	1.7	303
9	Methods and algorithms for optical coherence tomography-based angiography: a review and comparison. <i>Journal of Biomedical Optics</i> , 2015, 20, 100901.	1.4	300
10	Optical Coherence Tomography Angiography of Asymptomatic Neovascularization in Intermediate Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016, 123, 1309-1319.	2.5	230
11	Quantitative assessment of the retinal microvasculature using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016, 21, 066008.	1.4	225
12	Doppler optical micro-angiography for volumetric imaging of vascular perfusion in vivo. <i>Optics Express</i> , 2009, 17, 8926.	1.7	219
13	A Novel Strategy for Quantifying Choriocapillaris Flow Voids Using Swept-Source OCT Angiography. , 2018, 59, 203.		219
14	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, 831-841.	1.5	217
15	Random phase encoding for optical security. <i>Optical Engineering</i> , 1996, 35, 2464.	0.5	192
16	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.	0.9	187
17	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, 382-389.	0.4	183
18	Comparison Between Spectral-Domain and Swept-Source Optical Coherence Tomography Angiographic Imaging of Choroidal Neovascularization. , 2017, 58, 1499.		178

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19	A differentially amplified motion in the ear for near-threshold sound detection. <i>Nature Neuroscience</i> , 2011, 14, 770-774.	7.1	168
20	Phase-sensitive optical coherence elastography for mapping tissue microstrains in real time. <i>Applied Physics Letters</i> , 2007, 90, 164105.	1.5	165
21	Natural History of Subclinical Neovascularization in Nonexudative Age-Related Macular Degeneration Using Swept-Source OCT Angiography. <i>Ophthalmology</i> , 2018, 125, 255-266.	2.5	165
22	Minimizing projection artifacts for accurate presentation of choroidal neovascularization in OCT micro-angiography. <i>Biomedical Optics Express</i> , 2015, 6, 4130.	1.5	157
23	Optical coherence elastography in ophthalmology. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	154
24	Quantifying Optical Microangiography Images Obtained from a Spectral Domain Optical Coherence Tomography System. <i>International Journal of Biomedical Imaging</i> , 2012, 2012, 1-11.	3.0	149
25	Dynamic optical coherence tomography in studies of optical clearing, sedimentation, and aggregation of immersed blood. <i>Applied Optics</i> , 2002, 41, 258.	2.1	145
26	Tissue Doppler optical coherence elastography for real time strain rate and strain mapping of soft tissue. <i>Applied Physics Letters</i> , 2006, 89, 144103.	1.5	144
27	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, 2281-2299.	1.6	142
28	OCT-based elastography for large and small deformations. <i>Optics Express</i> , 2006, 14, 11585.	1.7	140
29	Quantifying Retinal Microvascular Changes in Uveitis Using Spectral-Domain Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2016, 171, 101-112.	1.7	140
30	Statistics of local speckle contrast. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 9.	0.8	135
31	In vivo full range complex Fourier domain optical coherence tomography. <i>Applied Physics Letters</i> , 2007, 90, 054103.	1.5	133
32	Mapping of cerebro-vascular blood perfusion in mice with skin and skull intact by Optical Micro-AngioGraphy at 13Åµm wavelength. <i>Optics Express</i> , 2007, 15, 11402.	1.7	128
33	Use of a scanner to modulate spatial interferograms for in vivo full-range Fourier-domain optical coherence tomography. <i>Optics Letters</i> , 2007, 32, 3423.	1.7	126
34	Propylene glycol as a contrasting agent for optical coherence tomography to image gastrointestinal tissues. <i>Lasers in Surgery and Medicine</i> , 2002, 30, 201-208.	1.1	122
35	Optical Microangiography: A Label-Free 3-D Imaging Technology to Visualize and Quantify Blood Circulations Within Tissue Beds <i>In Vivo</i>. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 545-554.	1.9	122
36	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Glaucoma Using Optical Coherence Tomography-Based Microangiography. , 2016, 57, OCT475.		120

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37	User-guided segmentation for volumetric retinal optical coherence tomography images. <i>Journal of Biomedical Optics</i> , 2014, 19, 086020.	1.4	117
38	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.	1.4	115
39	Wide-field optical coherence tomography based microangiography for retinal imaging. <i>Scientific Reports</i> , 2016, 6, 22017.	1.6	110
40	Chitosan Microchannel Scaffolds for Tendon Tissue Engineering Characterized Using Optical Coherence Tomography. <i>Tissue Engineering</i> , 2007, 13, 323-331.	4.9	109
41	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.	1.1	109
42	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.	1.7	108
43	High speed spectral domain optical coherence tomography for retinal imaging at 500,000 Aâ€šlines per second. <i>Biomedical Optics Express</i> , 2011, 2, 2770.	1.5	106
44	Noncontact all-optical measurement of corneal elasticity. <i>Optics Letters</i> , 2012, 37, 1625.	1.7	106
45	Modelling optical properties of soft tissue by fractal distribution of scatterers. <i>Journal of Modern Optics</i> , 2000, 47, 103-120.	0.6	105
46	Swept-Source OCT Angiography of Macular Telangiectasia Type 2. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014, 45, 369-380.	0.4	105
47	Investigation of optical coherence tomography as an imaging modality in tissue engineering. <i>Physics in Medicine and Biology</i> , 2006, 51, 1649-1659.	1.6	104
48	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.	1.4	104
49	Quantitative elastography provided by surface acoustic waves measured by phase-sensitive optical coherence tomography. <i>Optics Letters</i> , 2012, 37, 722.	1.7	103
50	Acoustic micro-tapping for non-contact 4D imaging of tissue elasticity. <i>Scientific Reports</i> , 2016, 6, 38967.	1.6	102
51	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , 2019, 10, 584.	5.8	100
52	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.	1.4	99
53	Projection Artifact Removal Improves Visualization and Quantitation of Macular Neovascularization Imaged by Optical Coherence Tomography Angiography. <i>Ophthalmology Retina</i> , 2017, 1, 124-136.	1.2	99
54	Noncontact photoacoustic imaging achieved by using a low-coherence interferometer as the acoustic detector. <i>Optics Letters</i> , 2011, 36, 3975.	1.7	97

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55	SWEPT SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY OF NEOVASCULAR MACULAR TELANGIECTASIA TYPE 2. <i>Retina</i> , 2015, 35, 2285-2299.	1.0	97
56	Automated Quantitation of Choroidal Neovascularization: A Comparison Study Between Spectral-Domain and Swept-Source OCT Angiograms. , 2017, 58, 1506.		95
57	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Eyes With Glaucoma and Single-Hemifield Visual Field Loss. <i>JAMA Ophthalmology</i> , 2017, 135, 461.	1.4	94
58	Eigendecomposition-Based Clutter Filtering Technique for Optical Microangiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2316-2323.	2.5	93
59	Three-Dimensional High-Resolution Imaging of Gold Nanorods Uptake in Sentinel Lymph Nodes. <i>Nano Letters</i> , 2011, 11, 2938-2943.	4.5	93
60	Using ultrahigh sensitive optical microangiography to achieve comprehensive depth resolved microvasculature mapping for human retina. <i>Journal of Biomedical Optics</i> , 2011, 16, 106013.	1.4	90
61	Correlations between Choriocapillaris Flow Deficits around Geographic Atrophy and Enlargement Rates Based on Swept-Source OCT Imaging. <i>Ophthalmology Retina</i> , 2019, 3, 478-488.	1.2	90
62	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.	1.7	89
63	Shear modulus imaging by direct visualization of propagating shear waves with phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 1.	1.4	88
64	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.	1.4	87
65	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.	1.5	86
66	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.	1.2	86
67	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, 5077-5091.	1.6	85
68	High-resolution wide-field imaging of retinal and choroidal blood perfusion with optical microangiography. <i>Journal of Biomedical Optics</i> , 2010, 15, 026011.	1.4	85
69	A practical approach to eliminate autocorrelation artefacts for volume-rate spectral domain optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2006, 51, 3231-3239.	1.6	80
70	Review of optical coherence tomography based angiography in neuroscience. <i>Neurophotonics</i> , 2016, 3, 010902.	1.7	80
71	Quantitative microvascular analysis of retinal venous occlusions by spectral domain optical coherence tomography angiography. <i>PLoS ONE</i> , 2017, 12, e0176404.	1.1	79
72	Real-time flow imaging by removing texture pattern artifacts in spectral-domain optical Doppler tomography. <i>Optics Letters</i> , 2006, 31, 3001.	1.7	78

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73	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, 17314-17325.	1.7	78
74	Long-range and wide field of view optical coherence tomography for in vivo 3D imaging of large volume object based on akinetic programmable swept source. <i>Biomedical Optics Express</i> , 2016, 7, 4734.	1.5	78
75	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, 5283-5294.	1.6	77
76	Imaging the mechanical stiffness of skin lesions by in vivo acousto-optical elastography. <i>Optics Express</i> , 2006, 14, 9770.	1.7	76
77	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.	1.5	76
78	Optical coherence tomography angiography of normal skin and inflammatory dermatologic conditions. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 183-193.	1.1	75
79	The potential of optical coherence tomography in the engineering of living tissue. <i>Physics in Medicine and Biology</i> , 2004, 49, 1097-1115.	1.6	74
80	Quantification of Choriocapillaris with Phansalkar Local Thresholding: Pitfalls to Avoid. <i>American Journal of Ophthalmology</i> , 2020, 213, 161-176.	1.7	74
81	In vivo volumetric imaging of microcirculation within human skin under psoriatic conditions using optical microangiography. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 122-129.	1.1	73
82	Epoxyeicosanoids as mediators of neurogenic vasodilation in cerebral vessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1352-H1363.	1.5	72
83	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.	1.1	72
84	Guidelines for Imaging the Choriocapillaris Using OCT Angiography. <i>American Journal of Ophthalmology</i> , 2021, 222, 92-101.	1.7	72
85	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, 1205-1221.	1.6	71
86	Autocorrelation optical coherence tomography for mapping transverse particle-flow velocity. <i>Optics Letters</i> , 2010, 35, 3538.	1.7	71
87	Volumetric and quantitative imaging of retinal blood flow in rats with optical microangiography. <i>Biomedical Optics Express</i> , 2011, 2, 579.	1.5	71
88	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, 1475-1481.	2.4	70
89	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.	1.1	69
90	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.	1.5	68

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91	Visualizing ultrasonically induced shear wave propagation using phase-sensitive optical coherence tomography for dynamic elastography. <i>Optics Letters</i> , 2014, 39, 838.	1.7	67
92	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, 457-468.	1.6	66
93	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging. , 2017, 58, 4809.		66
94	Improved microcirculation imaging of human skin <i>in vivo</i> using optical microangiography with a correlation mapping mask. <i>Journal of Biomedical Optics</i> , 2014, 19, 036010.	1.4	65
95	Ultra-wide optical coherence tomography angiography in diabetic retinopathy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 743-753.	1.1	65
96	Determination of flow velocity vector based on Doppler shift and spectrum broadening with optical coherence tomography. <i>Optics Letters</i> , 2003, 28, 1227.	1.7	64
97	Quantification of Choriocapillaris with Optical Coherence Tomography Angiography: A Comparison Study. <i>American Journal of Ophthalmology</i> , 2019, 208, 111-123.	1.7	64
98	Spectral domain polarization sensitive optical coherence tomography achieved by single camera detection. <i>Optics Express</i> , 2007, 15, 7950.	1.7	62
99	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, 125-133.	1.1	61
100	Generating retinal flow maps from structural optical coherence tomography with artificial intelligence. <i>Scientific Reports</i> , 2019, 9, 5694.	1.6	61
101	Microvascular imaging of the skin. <i>Physics in Medicine and Biology</i> , 2019, 64, 07TR01.	1.6	61
102	Nearly-incompressible transverse isotropy (NITI) of cornea elasticity: model and experiments with acoustic micro-tapping OCE. <i>Scientific Reports</i> , 2020, 10, 12983.	1.6	60
103	4D optical coherence tomography-based micro-angiography achieved by 16-MHz FDML swept source. <i>Optics Letters</i> , 2015, 40, 1779.	1.7	59
104	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.	3.2	59
105	Aqueous outflow regulation: Optical coherence tomography implicates pressure-dependent tissue motion. <i>Experimental Eye Research</i> , 2017, 158, 171-186.	1.2	59
106	The role of water desorption on optical clearing of biotissue: Studied with near infrared reflectance spectroscopy. <i>Medical Physics</i> , 2003, 30, 1246-1253.	1.6	57
107	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, 1.	1.4	57
108	Two-Year Risk of Exudation in Eyes with Nonexudative Age-Related Macular Degeneration and Subclinical Neovascularization Detected with Swept Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2019, 208, 1-11.	1.7	57

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109	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.	1.5	56
110	Phase-sensitive optical coherence tomography characterization of pulse-induced trabecular meshwork displacement in <i>ex vivo</i> nonhuman primate eyes. <i>Journal of Biomedical Optics</i> , 2012, 17, 0760261.	1.4	56
111	Suspended Scattering Particles in Motion: A Novel Feature of OCT Angiography in Exudative Maculopathies. <i>Ophthalmology Retina</i> , 2018, 2, 694-702.	1.2	56
112	Attenuation correction assisted automatic segmentation for assessing choroidal thickness and vasculature with swept-source OCT. <i>Biomedical Optics Express</i> , 2018, 9, 6067.	1.5	56
113	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.	1.1	54
114	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, 3851-3864.	1.7	54
115	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, 1247-1255.	1.6	53
116	A novel optical coherence tomography-based micro-indentation technique for mechanical characterization of hydrogels. <i>Journal of the Royal Society Interface</i> , 2007, 4, 1169-1173.	1.5	53
117	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, 086004.	1.4	53
118	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, 227-237.	2.3	53
119	Noninvasive Imaging of Retinal Morphology and Microvasculature in Obese Mice Using Optical Coherence Tomography and Optical Microangiography. , 2014, 55, 1024.		51
120	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.	1.5	51
121	Microvascular Changes in the Choriocapillaris of Diabetic Patients Without Retinopathy Investigated by Swept-Source OCT Angiography. , 2020, 61, 50.		51
122	Application of Thinned-Skull Cranial Window to Mouse Cerebral Blood Flow Imaging Using Optical Microangiography. <i>PLoS ONE</i> , 2014, 9, e113658.	1.1	51
123	Fourier domain optical coherence tomography achieves full range complex imaging in vivo by introducing a carrier frequency during scanning. <i>Physics in Medicine and Biology</i> , 2007, 52, 5897-5907.	1.6	50
124	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.	1.4	50
125	Optical coherence tomography angiography monitors human cutaneous wound healing over time. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018, 8, 135-150.	1.1	50
126	In vivo microstructural and microvascular imaging of the human corneo-scleral limbus using optical coherence tomography. <i>Biomedical Optics Express</i> , 2011, 2, 3109.	1.5	49

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127	Shear wave elastography using amplitude-modulated acoustic radiation force and phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015, 20, 016001.	1.4	49
128	Vasodynamics of pial and penetrating arterioles in relation to arteriolo-arteriolar anastomosis after focal stroke. <i>Neurophotonics</i> , 2015, 2, 025006.	1.7	49
129	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, 231-238.	1.1	48
130	Segmentation and quantification of blood vessels for OCT-based micro-angiograms using hybrid shape/intensity compounding. <i>Microvascular Research</i> , 2015, 97, 37-46.	1.1	48
131	Characterizing relationship between optical microangiography signals and capillary flow using microfluidic channels. <i>Biomedical Optics Express</i> , 2016, 7, 2709.	1.5	48
132	Repeatability and reproducibility of optic nerve head perfusion measurements using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016, 21, 065002.	1.4	48
133	Doppler optical coherence tomography for measuring flow in engineered tissue. <i>Biosensors and Bioelectronics</i> , 2004, 20, 414-423.	5.3	47
134	Shear wave pulse compression for dynamic elastography using phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014, 19, 016013.	1.4	47
135	Capillary blood flow imaging within human finger cuticle using optical microangiography. <i>Journal of Biophotonics</i> , 2015, 8, 46-51.	1.1	47
136	Investigation of optical clearing of gastric tissue immersed with hyperosmotic agents. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 234-242.	1.9	46
137	Feasibility of spectral-domain phase-sensitive optical coherence tomography for middle ear vibrometry. <i>Journal of Biomedical Optics</i> , 2012, 17, 060505.	1.4	46
138	Quantitative elasticity measurement of urinary bladder wall using laser-induced surface acoustic waves. <i>Biomedical Optics Express</i> , 2014, 5, 4313.	1.5	46
139	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, 1.	1.4	46
140	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.	1.6	46
141	In Vivo Outer Hair Cell Length Changes Expose the Active Process in the Cochlea. <i>PLoS ONE</i> , 2012, 7, e32757.	1.1	46
142	High-resolution visualization of fluid dynamics with Doppler optical coherence tomography. <i>Measurement Science and Technology</i> , 2004, 15, 725-733.	1.4	45
143	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, 381-389.	2.3	45
144	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.	1.1	45

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145	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> , 2018, 63, 015023.	1.6	45
146	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.	1.5	44
147	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.	0.8	44
148	Wide field and highly sensitive angiography based on optical coherence tomography with akinetic swept source. <i>Biomedical Optics Express</i> , 2017, 8, 420.	1.5	43
149	High-resolution 1050 nm spectral domain retinal optical coherence tomography at 120 kHz A-scan rate with 61 mm imaging depth. <i>Biomedical Optics Express</i> , 2013, 4, 245.	1.5	42
150	Quantitative shear-wave optical coherence elastography with a programmable phased array ultrasound as the wave source. <i>Optics Letters</i> , 2015, 40, 5007.	1.7	42
151	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.	3.3	42
152	Aqueous outflow regulation – 21st century concepts. <i>Progress in Retinal and Eye Research</i> , 2021, 83, 100917.	7.3	42
153	Bactericidal action of high-power Nd:YAG laser light on <i>Escherichia coli</i> in saline suspension. <i>Journal of Applied Microbiology</i> , 2000, 89, 517-525.	1.4	41
154	The vibratory stress relief of a marine shafting of 35# bar steel. <i>Materials Letters</i> , 2004, 58, 299-303.	1.3	41
155	Optical microangiography of retina and choroid and measurement of total retinal blood flow in mice. <i>Biomedical Optics Express</i> , 2012, 3, 2976.	1.5	41
156	Bandage Soft Contact Lenses for Ocular Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2015, 21, 2002-2007.	2.0	41
157	Air-coupled acoustic radiation force for non-contact generation of broadband mechanical waves in soft media. <i>Applied Physics Letters</i> , 2016, 109, 043701.	1.5	41
158	Optical coherence tomography angiography-based capillary velocimetry. <i>Journal of Biomedical Optics</i> , 2017, 22, 066008.	1.4	41
159	Hyperspectral imaging enabled by an unmodified smartphone for analyzing skin morphological features and monitoring hemodynamics. <i>Biomedical Optics Express</i> , 2020, 11, 895.	1.5	41
160	Three-dimensional optical micro-angiography maps directional blood perfusion deep within microcirculation tissue beds <i>in vivo</i> . <i>Physics in Medicine and Biology</i> , 2007, 52, N531-N537.	1.6	40
161	Optical microangiography provides depth-resolved images of directional ocular blood perfusion in posterior eye segment. <i>Journal of Biomedical Optics</i> , 2010, 15, 020502.	1.4	40
162	Correlations Between Choriocapillaris and Choroidal Measurements and the Growth of Geographic Atrophy Using Swept Source OCT Imaging. <i>American Journal of Ophthalmology</i> , 2021, 224, 321-331.	1.7	40

#	ARTICLE	IF	CITATIONS
163	Federated Learning for Microvasculature Segmentation and Diabetic Retinopathy Classification of OCT Data. <i>Ophthalmology Science</i> , 2021, 1, 100069.	1.0	40
164	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, 355-362.	1.2	39
165	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, 1.	1.4	39
166	Quantifying blood flow and wall shear stresses in the outflow tract of chick embryonic hearts. <i>Computers and Structures</i> , 2011, 89, 855-867.	2.4	39
167	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.	1.5	39
168	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.	1.4	39
169	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.	1.3	38
170	Extended imaging depth to 12Âmm 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, 016012.	1.4	38
171	Potential use of OCT-based microangiography in clinical dermatology. <i>Skin Research and Technology</i> , 2016, 22, 238-246.	0.8	38
172	Wide velocity range Doppler optical microangiography using optimized step-scanning protocol with phase variance mask. <i>Journal of Biomedical Optics</i> , 2013, 18, 106015.	1.4	37
173	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.	1.5	37
174	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.	1.4	37
175	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.	1.5	37
176	Influence of contact state on NIR diffuse reflectance spectroscopy in vivo. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 2691-2695.	1.3	36
177	Robust numerical phase stabilization for long-range swept-source optical coherence tomography. <i>Journal of Biophotonics</i> , 2017, 10, 1398-1410.	1.1	36
178	Monitoring Acute Stroke Progression: Multi-Parametric OCT Imaging of Cortical Perfusion, Flow, and Tissue Scattering in a Mouse Model of Permanent Focal Ischemia. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1427-1437.	5.4	36
179	Vibratory stress relieving of welded sheet steels of low alloy high strength steel. <i>Materials Letters</i> , 2004, 58, 1396-1399.	1.3	35
180	A photoacoustic tomography system for imaging of biological tissues. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 2640-2644.	1.3	35

#	ARTICLE	IF	CITATIONS
181	Optical Clearing of Tissues and Cells. <i>Journal of Biomedical Optics</i> , 2008, 13, 021101.	1.4	35
182	In vivo optical imaging of revascularization after brain trauma in mice. <i>Microvascular Research</i> , 2011, 81, 73-80.	1.1	35
183	Assessment of strain and strain rate in embryonic chick heartin vivousing tissue Doppler optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2011, 56, 7081-7092.	1.6	35
184	Filtering of Acoustic Signals within the Hearing Organ. <i>Journal of Neuroscience</i> , 2014, 34, 9051-9058.	1.7	35
185	External Compression Versus Intravascular Injection: A Mechanistic Animal Model of Filler-Induced Tissue Ischemia. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2016, 32, 261-266.	0.4	35
186	Scalable wide-field optical coherence tomography-based angiography for in vivo imaging applications. <i>Biomedical Optics Express</i> , 2016, 7, 1905.	1.5	35
187	Wide-field optical coherence tomography angiography enabled by two repeated measurements of B-scans. <i>Optics Letters</i> , 2016, 41, 2330.	1.7	35
188	Retinal and choroidal vascular features in patients with retinitis pigmentosa imaged by OCT based microangiography. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1287-1295.	1.0	35
189	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.	1.4	35
190	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.	1.4	34
191	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.	1.4	34
192	Full anterior segment biometry with extended imaging range spectral domain optical coherence tomography at 1340Ånm. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	1.4	34
193	Cerebral capillary velocimetry based on temporal OCT speckle contrast. <i>Biomedical Optics Express</i> , 2016, 7, 4859.	1.5	34
194	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.	1.1	34
195	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, Volume 12, 2285-2296.	0.9	34
196	Spatial resolution in dynamic optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	34
197	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, 224-230.	5.4	33
198	The Mitochondrial Permeability Transition Pore Regulates Endothelial Bioenergetics and Angiogenesis. <i>Circulation Research</i> , 2015, 116, 1336-1345.	2.0	33

#	ARTICLE	IF	CITATIONS
199	Swept-Source OCT Angiography of Serpiginous Choroiditis. <i>Ophthalmology Retina</i> , 2018, 2, 712-719.	1.2	33
200	Highly sensitive imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. <i>Biomedical Optics Express</i> , 2011, 2, 1059.	1.5	32
201	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.	1.5	32
202	Overexpression of adenosine kinase in cortical astrocytes and focal neocortical epilepsy in mice. <i>Journal of Neurosurgery</i> , 2014, 120, 628-638.	0.9	32
203	OCT Study of Mechanical Properties Associated with Trabecular Meshwork and Collector Channel Motion in Human Eyes. <i>PLoS ONE</i> , 2016, 11, e0162048.	1.1	32
204	Capillary flow homogenization during functional activation revealed by optical coherence tomography angiography based capillary velocimetry. <i>Scientific Reports</i> , 2018, 8, 4107.	1.6	32
205	Ultra-Widefield Protocol Enhances Automated Classification of Diabetic Retinopathy Severity with OCT Angiography. <i>Ophthalmology Retina</i> , 2020, 4, 415-424.	1.2	32
206	Quantitative temporal speckle contrast imaging for tissue mechanics. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3728.	0.8	31
207	Optical microangiography provides correlation between microstructure and microvasculature of optic nerve head in human subjects. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	1.4	31
208	Fast synchronized dual-wavelength laser speckle imaging system for monitoring hemodynamic changes in a stroke mouse model. <i>Optics Letters</i> , 2012, 37, 4005.	1.7	31
209	Protective Role of P450 Epoxyeicosanoids in Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2015, 22, 306-319.	1.2	31
210	Systemic Determinants of Peripapillary Vessel Density in Healthy African Americans: The African American Eye Disease Study. <i>American Journal of Ophthalmology</i> , 2019, 207, 240-247.	1.7	31
211	Supercontinuum light source enables in vivo optical microangiography of capillary vessels within tissue beds. <i>Optics Letters</i> , 2011, 36, 3169.	1.7	30
212	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.	1.4	30
213	Feature space optical coherence tomography based micro-angiography. <i>Biomedical Optics Express</i> , 2015, 6, 1919.	1.5	30
214	Quantification of Pulse-Dependent Trabecular Meshwork Motion in Normal Humans Using Phase-Sensitive OCT. , 2018, 59, 3675.		30
215	Does group velocity always reflect elastic modulus in shear wave elastography?. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	30
216	Modified fringe-adjusted joint transform correlation to accommodate noise in the input scene. <i>Applied Optics</i> , 1996, 35, 286.	2.1	29

#	ARTICLE	IF	CITATIONS
217	Directional blood flow imaging in volumetric optical microangiography achieved by digital frequency modulation. <i>Optics Letters</i> , 2008, 33, 1878.	1.7	29
218	Assessment of microcirculation dynamics during cutaneous wound healing phases <i>in vivo</i> using optical microangiography. <i>Journal of Biomedical Optics</i> , 2014, 19, 076015.	1.4	29
219	MEMS scanning micromirror for optical coherence tomography. <i>Biomedical Optics Express</i> , 2015, 6, 211.	1.5	29
220	Handheld swept-source optical coherence tomography with angiography in awake premature neonates. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1495-1502.	1.1	29
221	Resolution improved optical coherence-gated tomography for imaging through biological tissues. <i>Journal of Modern Optics</i> , 1999, 46, 1905-1912.	0.6	28
222	Optical microangiography images structural and functional cerebral blood perfusion in mice with cranium left intact. <i>Journal of Biophotonics</i> , 2011, 4, 57-63.	1.1	28
223	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.	1.7	27
224	<i>In vivo</i> blood flow imaging of inflammatory human skin induced by tape stripping using optical microangiography. <i>Journal of Biophotonics</i> , 2015, 8, 265-272.	1.1	27
225	Impaired Retinal Vascular Reactivity in Diabetic Retinopathy as Assessed by Optical Coherence Tomography Angiography. , 2019, 60, 2468.		27
226	Imaging of non-parabolic velocity profiles in converging flow with optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2003, 48, 2907-2918.	1.6	26
227	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.	1.3	26
228	Chance correlation in non-invasive glucose measurement using near-infrared spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 2675-2681.	1.3	26
229	Volumetric Imaging of Blood Flow Within Cochlea in Gerbil <i>In Vivo</i> . <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 524-529.	1.9	26
230	Three-dimensional optical imaging of microvascular networks within intact lymph node <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2010, 15, 050501.	1.4	26
231	Tracking Dynamic Microvascular Changes during Healing after Complete Biopsy Punch on the Mouse Pinna Using Optical Microangiography. <i>PLoS ONE</i> , 2013, 8, e57976.	1.1	26
232	Macro-to-micro cortical vascular imaging underlies regional differences in ischemic brain. <i>Scientific Reports</i> , 2015, 5, 10051.	1.6	26
233	Automated segmentation and enhancement of optical coherence tomography-acquired images of rodent brain. <i>Journal of Neuroscience Methods</i> , 2016, 270, 132-137.	1.3	26
234	Intervolume analysis to achieve four-dimensional optical microangiography for observation of dynamic blood flow. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	1.4	26

#	ARTICLE	IF	CITATIONS
235	Quantitative evaluation of primary retinitis pigmentosa patients using colour Doppler flow imaging and optical coherence tomography angiography. <i>Acta Ophthalmologica</i> , 2019, 97, e993-e997.	0.6	26
236	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.	1.4	26
237	Digital phase stabilization to improve detection sensitivity for optical coherence tomography. <i>Measurement Science and Technology</i> , 2007, 18, 3365-3372.	1.4	25
238	Quantitative analysis on tongue inspection in traditional Chinese medicine using optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2008, 13, 011004.	1.4	25
239	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.	1.4	25
240	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, 1736-1741.	1.0	25
241	In vivo tissue injury mapping using optical coherence tomography based methods. <i>Applied Optics</i> , 2015, 54, 6448.	2.1	25
242	Highly efficient eigen decomposition based statistical optical microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 557-563.	1.1	25
243	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.	0.8	24
244	Doppler optical coherence tomography imaging of local fluid flow and shear stress within microporous scaffolds. <i>Journal of Biomedical Optics</i> , 2009, 14, 034014.	1.4	24
245	Depth profiling of photothermal compound concentrations using phase sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 126003.	1.4	24
246	In vivo OCT microangiography of rodent iris. <i>Optics Letters</i> , 2014, 39, 2455.	1.7	24
247	Intrasession repeatability and intersession reproducibility of peripapillary OCTA vessel parameters in non-glaucomatous and glaucomatous eyes. <i>British Journal of Ophthalmology</i> , 2021, 105, 1534-1541.	2.1	24
248	Reduced Pulsatile Trabecular Meshwork Motion in Eyes With Primary Open Angle Glaucoma Using Phase-Sensitive Optical Coherence Tomography. , 2020, 61, 21.		24
249	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.	1.1	24
250	Polarization sensitive optical coherence tomography with single input for imaging depth-resolved collagen organizations. <i>Light: Science and Applications</i> , 2021, 10, 237.	7.7	24
251	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, 1.	1.4	23
252	Quantitative Assessment of Anterior Segment Inflammation in a Rat Model of Uveitis Using Spectral-Domain Optical Coherence Tomography. , 2016, 57, 3567.		23

#	ARTICLE	IF	CITATIONS
253	Impaired Collateral Flow Compensation During Chronic Cerebral Hypoperfusion in the Type 2 Diabetic Mice. <i>Stroke</i> , 2016, 47, 3014-3021.	1.0	23
254	OCT-based label-free in vivo lymphangiography within human skin and areola. <i>Scientific Reports</i> , 2016, 6, 21122.	1.6	23
255	Association between OCT-based microangiography perfusion indices and diabetic retinopathy severity. <i>British Journal of Ophthalmology</i> , 2017, 101, 960-964.	2.1	23
256	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.	1.4	23
257	BACILLARY LAYER DETACHMENT OVERLYING REDUCED CHORIOCAPILLARIS FLOW IN ACUTE IDIOPATHIC MACULOPATHY. <i>Retinal Cases and Brief Reports</i> , 2022, 16, 59-66.	0.3	23
258	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.	1.5	22
259	Automatic motion correction for <i>in vivo</i> human skin optical coherence tomography angiography through combined rigid and nonrigid registration. <i>Journal of Biomedical Optics</i> , 2017, 22, 066013.	1.4	22
260	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.	0.2	22
261	Brainstem control of cerebral blood flow and application to acute vasospasm following experimental subarachnoid hemorrhage. <i>Neuroscience</i> , 2009, 163, 719-729.	1.1	21
262	Measurement of particle concentration in flow by statistical analyses of optical coherence tomography signals. <i>Optics Letters</i> , 2011, 36, 2143.	1.7	21
263	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, 2333-2338.	2.5	21
264	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.	1.0	21
265	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, 6167-6177.	1.6	20
266	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, 1.	1.4	20
267	Optical coherence tomography based microangiography for quantitative monitoring of structural and vascular changes in a rat model of acute uveitis <i>in vivo</i> : a preliminary study. <i>Journal of Biomedical Optics</i> , 2015, 20, 016015.	1.4	20
268	Tail artifact removal in OCT angiography images of rodent cortex. <i>Journal of Biophotonics</i> , 2017, 10, 1421-1429.	1.1	20
269	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.	1.1	20
270	Effect of Scan Size on Glaucoma Diagnostic Performance Using OCT Angiography En Face Images of the Radial Peripapillary Capillaries. <i>Journal of Glaucoma</i> , 2019, 28, 465-472.	0.8	20

#	ARTICLE	IF	CITATIONS
271	Analysis of skin morphological features and real-time monitoring using snapshot hyperspectral imaging. <i>Biomedical Optics Express</i> , 2019, 10, 5625.	1.5	20
272	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> , 2020, 11, 948-956.	1.1	20
273	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.	1.1	20
274	Doppler optical coherence imaging of converging flow. <i>Physics in Medicine and Biology</i> , 2004, 49, 1265-1276.	1.6	19
275	<i>In vivo</i> 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, 0960061.	1.4	19
276	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, 08, 1550012.	0.5	19
277	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.	1.1	19
278	Correlating Changes in the Macular Microvasculature and Capillary Network to Peripheral Vascular Pathologic Features in Familial Exudative Vitreoretinopathy. <i>Ophthalmology Retina</i> , 2019, 3, 597-606.	1.2	19
279	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.	1.7	19
280	Quantitative Analysis of the Choriocapillaris in Uveitis Using En Face Swept-Source Optical Coherence Tomography Angiography. <i>American Journal of Ophthalmology</i> , 2020, 218, 17-27.	1.7	19
281	Robust non-contact peripheral oxygenation saturation measurement using smartphone-enabled imaging photoplethysmography. <i>Biomedical Optics Express</i> , 2021, 12, 1746.	1.5	19
282	Role of endothelium-pericyte signaling in capillary blood flow response to neuronal activity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1873-1885.	2.4	19
283	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.	3.5	18
284	Label-free in vivo optical imaging of functional microcirculations within meninges and cortex in mice. <i>Journal of Neuroscience Methods</i> , 2010, 194, 108-115.	1.3	18
285	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.	1.4	18
286	Label-free 3D imaging of microstructure, blood, and lymphatic vessels within tissue beds in vivo. <i>Optics Letters</i> , 2012, 37, 812.	1.7	18
287	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.	1.1	18
288	Lymphatic response to depilation-induced inflammation in mouse ear assessed with label-free optical lymphangiography. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 669-676.	1.1	18

#	ARTICLE	IF	CITATIONS
289	Repeatability of vessel density measurement in human skin by OCT -based microangiography. <i>Skin Research and Technology</i> , 2017, 23, 607-612.	0.8	18
290	Comparison of Neovascular Lesion Area Measurements From Different Swept-Source OCT Angiographic Scan Patterns in Age-Related Macular Degeneration. , 2017, 58, 5098.		18
291	Imaging and visualization of the polarization state of the probing beam in polarization-sensitive optical coherence tomography. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	18
292	Pericyte constriction underlies capillary derecruitment during hyperemia in the setting of arterial stenosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H255-H263.	1.5	18
293	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.	1.4	18
294	Responses of Peripheral Blood Flow to Acute Hypoxia and Hyperoxia as Measured by Optical Microangiography. <i>PLoS ONE</i> , 2011, 6, e26802.	1.1	18
295	Quantitative assessment of choriocapillaris flow deficits in diabetic retinopathy: A swept-source optical coherence tomography angiography study. <i>PLoS ONE</i> , 2020, 15, e0243830.	1.1	18
296	Effects of hypoxia on cochlear blood flow in mice evaluated using Doppler optical microangiography. <i>Journal of Biomedical Optics</i> , 2012, 17, 1060031.	1.4	17
297	Does optical microangiography provide accurate imaging of capillary vessels?: validation using multiphoton microscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 106011.	1.4	17
298	Label-Free Optical Imaging of Lymphatic Vessels Within Tissue Beds IN VIVO. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 15-24.	1.9	17
299	Minimally invasive surgical method to detect sound processing in the cochlear apex by optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2016, 21, 025003.	1.4	17
300	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.	1.1	17
301	Ocular Determinants of Peripapillary Vessel Density in Healthy African Americans: The African American Eye Disease Study. , 2019, 60, 3368.		17
302	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.	0.8	17
303	Vision Loss in Optic Disc Drusen Correlates With Increased Macular Vessel Diameter and Flux and Reduced Peripapillary Vascular Density. <i>American Journal of Ophthalmology</i> , 2020, 218, 214-224.	1.7	17
304	An Update on the Hemodynamic Model of Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2022, 235, 291-299.	1.7	17
305	Optical Coherence Tomography Measurements of the Retinal Pigment Epithelium to Bruch Membrane Thickness Around Geographic Atrophy Correlate With Growth. <i>American Journal of Ophthalmology</i> , 2022, 236, 249-260.	1.7	17
306	Automatic geographic atrophy segmentation using optical attenuation in OCT scans with deep learning. <i>Biomedical Optics Express</i> , 2022, 13, 1328.	1.5	17

#	ARTICLE	IF	CITATIONS
307	Observations of birefringence in tissues from optic-fibre-based optical coherence tomography. <i>Measurement Science and Technology</i> , 2003, 14, 41-46.	1.4	16
308	Potential ability of hematoporphyrin to enhance an optical coherence tomographic image of gastric cancer <i>in vivo</i> in mice. <i>Physics in Medicine and Biology</i> , 2008, 53, 6767-6775.	1.6	16
309	Optical Coherence Tomography: Light Scattering and Imaging Enhancement. , 2013, , 665-742.		16
310	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.	1.7	16
311	Multimodal optical imaging can reveal changes in microcirculation and tissue oxygenation during skin wound healing. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 470-478.	1.1	16
312	Simultaneous estimation of bidirectional particle flow and relative flux using MUSIC-OCT: phantom studies. <i>Physics in Medicine and Biology</i> , 2014, 59, 6693-6708.	1.6	16
313	<i>In vivo</i> photoacoustic imaging of blood vessels using a homodyne interferometer with zero-crossing triggering. <i>Journal of Biomedical Optics</i> , 2017, 22, 036002.	1.4	16
314	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.	1.1	16
315	Super-shear evanescent waves for non-contact elastography of soft tissues. <i>Applied Physics Letters</i> , 2019, 115, 083701.	1.5	16
316	Familial retinal arteriolar tortuosity and quantification of vascular tortuosity using swept-source optical coherence tomography angiography. <i>American Journal of Ophthalmology Case Reports</i> , 2019, 14, 74-78.	0.4	16
317	Swept-Source OCT Angiographic Characteristics of Treatment-Na ⁺ ve Nonexudative Macular Neovascularization in AMD Prior to Exudation. , 2021, 62, 14.		16
318	Deliberations of an International Panel of Experts on OCT Angiography Nomenclature of Neovascular Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2021, 128, 1109-1112.	2.5	16
319	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.	1.1	16
320	Choroidal Changes in Eyes With Polypoidal Choroidal Vasculopathy After Anti-VEGF Therapy Imaged With Swept-Source OCT Angiography. , 2021, 62, 5.		16
321	Improvement of low-level light imaging performance using optical clearing method. <i>Biosensors and Bioelectronics</i> , 2004, 20, 460-467.	5.3	15
322	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</i> , 2007, 24, 711.	0.8	15
323	Megahertz streak-mode Fourier domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	1.4	15
324	Digital focusing of OCT images based on scalar diffraction theory and information entropy. <i>Biomedical Optics Express</i> , 2012, 3, 2774.	1.5	15

#	ARTICLE	IF	CITATIONS
325	Robust principal component analysis in optical micro-angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 654-667.	1.1	15
326	OCT Angiography and Cone Photoreceptor Imaging in Geographic Atrophy. , 2018, 59, 5985.		15
327	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.	1.1	15
328	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.	1.1	15
329	Imaging human skin autograft integration with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 784-796.	1.1	15
330	Differences in cerebral blood vasculature and flow in awake and anesthetized mouse cortex revealed by quantitative optical coherence tomography angiography. <i>Journal of Neuroscience Methods</i> , 2021, 353, 109094.	1.3	15
331	Visualizing choriocapillaris using swept-source optical coherence tomography angiography with various probe beam sizes. <i>Biomedical Optics Express</i> , 2019, 10, 2847.	1.5	15
332	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.	0.7	15
333	Synthetic discriminant function fringe-adjusted joint transform correlator. <i>Optical Engineering</i> , 1995, 34, 2935.	0.5	14
334	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> , 2002, 13, 345-52.	0.9	14
335	Monitoring of glycated hemoglobin by OCT measurement of refractive index. , 2004, , .		14
336	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.	0.8	14
337	Time-resolved simultaneous measurement of group index and physical thickness during photopolymerization of resin-based dental composite. <i>Journal of Biomedical Optics</i> , 2007, 12, 014020.	1.4	14
338	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.	1.4	14
339	Volumetric cutaneous microangiography of human skin in vivo by VCSEL swept-source optical coherence tomography. <i>Quantum Electronics</i> , 2014, 44, 740-745.	0.3	14
340	Motion artifact and background noise suppression on optical microangiography frames using a naïve Bayes mask. <i>Applied Optics</i> , 2014, 53, 4164.	0.9	14
341	In vivo assessment of wall strain in embryonic chick heart by spectral domain optical coherence tomography. <i>Applied Optics</i> , 2015, 54, 9253.	2.1	14
342	Multi-modal artificial dura for simultaneous large-scale optical access and large-scale electrophysiology in non-human primate cortex. <i>Journal of Neural Engineering</i> , 2021, 18, 055006.	1.8	14

#	ARTICLE	IF	CITATIONS
343	Application of OCT-Derived Attenuation Coefficient in Acute Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 1192-1200.	1.1	14
344	Modelling optical properties of soft tissue by fractal distribution of scatterers. , 0, .		14
345	Probing elastic anisotropy of human skin in vivo with light using non-contact acoustic micro-tapping OCE and polarization sensitive OCT. <i>Scientific Reports</i> , 2022, 12, 3963.	1.6	14
346	Biomechanics of human trabecular meshwork in healthy and glaucoma eyes via dynamic Schlemm's canal pressurization. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 221, 106921.	2.6	14
347	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, 1039-1045.	0.9	13
348	Photoacoustic microscopy achieved by microcavity synchronous parallel acquisition technique. <i>Optics Express</i> , 2012, 20, 5802.	1.7	13
349	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.	1.4	13
350	Motion-contrast laser speckle imaging of microcirculation within tissue beds in vivo. <i>Journal of Biomedical Optics</i> , 2013, 18, 060508.	1.4	13
351	Cone Structure Persists Beyond Margins of Short-Wavelength Autofluorescence in Choroideremia. , 2019, 60, 4931.		13
352	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.	2.4	13
353	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.	1.7	13
354	OCT Angiography to Predict Geographic Atrophy Progression using Choriocapillaris Flow Void as a Biomarker. <i>Translational Vision Science and Technology</i> , 2020, 9, 6.	1.1	13
355	Relative retinal flow velocity detection using optical coherence tomography angiography imaging. <i>Biomedical Optics Express</i> , 2020, 11, 6710.	1.5	13
356	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.	0.6	12
357	Reduction of speckle noise for optical coherence tomography by the use of nonlinear anisotropic diffusion. , 2005, , .		12
358	Multifunctional nanoprobe to enhance the utility of optical based imaging techniques. <i>Journal of Biomedical Optics</i> , 2012, 17, 016015.	1.4	12
359	Optical coherence tomography based microangiography findings in hydroxychloroquine toxicity. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 178-183.	1.1	12
360	Sex- and isoform-specific mechanism of neuroprotection by transgenic expression of P450 epoxygenase in vascular endothelium. <i>Experimental Neurology</i> , 2016, 279, 75-85.	2.0	12

#	ARTICLE	IF	CITATIONS
361	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.	1.4	12
362	Revealing the morphology and function of the cochlea and middle ear with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 858-881.	1.1	12
363	<p>Quantifying choriocapillaris hypoperfusion in patients with choroidal neovascularization using swept-source OCT angiography</p>. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 1613-1620.	0.9	12
364	Mean-Subtraction Method for De-Shadowing of Tail Artifacts in Cerebral OCTA Images: A Proof of Concept. <i>Materials</i> , 2020, 13, 2024.	1.3	12
365	Optical Coherence Tomography Angiographyâ€œDerived Flux As a Measure of Physiological Changes in Retinal Capillary Blood Flow. <i>Translational Vision Science and Technology</i> , 2021, 10, 5.	1.1	12
366	Polarization sensitive optical coherence tomography for imaging microvascular information within living tissue without polarization-induced artifacts. <i>Biomedical Optics Express</i> , 2020, 11, 6379.	1.5	12
367	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.	1.7	11
368	Synergistic effect of hyperosmotic agents under topical application on optical clearing of skin tissue in vitro. , 2005, , .		11
369	Spectral Optical Coherence Tomography Using Two-Phase Shifting Method. <i>Chinese Physics Letters</i> , 2005, 22, 1909-1912.	1.3	11
370	Arbitrary Three-Phase Shifting Algorithm for Achieving Full Range Spectral Optical Coherence Tomography. <i>Chinese Physics Letters</i> , 2006, 23, 366-369.	1.3	11
371	Depth-resolved dual-beamlet vibrometry based on Fourier domain low coherence interferometry. <i>Journal of Biomedical Optics</i> , 2013, 18, 1.	1.4	11
372	<i>In Vivo</i> Monitoring of Microcirculation in Burn Healing Process with Optical Microangiography. <i>Advances in Wound Care</i> , 2016, 5, 332-337.	2.6	11
373	Depth-resolved 3D visualization of coronary microvasculature with optical microangiography. <i>Physics in Medicine and Biology</i> , 2016, 61, 7536-7550.	1.6	11
374	Optical coherence tomography based microangiography provides an ability to longitudinally image arteriogenesis in vivo. <i>Journal of Neuroscience Methods</i> , 2016, 274, 164-171.	1.3	11
375	OCTâ€œbased 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.	1.1	11
376	Quantifying Subclinical and Longitudinal Microvascular Changes Following Episcleral Plaque Brachytherapy Using Spectral Domainâ€œOptical Coherence Tomography Angiography. <i>Journal of Vitreoretinal Diseases</i> , 2020, 4, 499-508.	0.2	11
377	Impaired layer specific retinal vascular reactivity among diabetic subjects. <i>PLoS ONE</i> , 2020, 15, e0233871.	1.1	11
378	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. <i>Biomedical Optics Express</i> , 2021, 12, 4573.	1.5	11

#	ARTICLE	IF	CITATIONS
379	Automated morphometric measurement of the retinal pigment epithelium complex and choriocapillaris using swept source OCT. <i>Biomedical Optics Express</i> , 2020, 11, 1834.	1.5	11
380	Procedure and protocols for optical imaging of cerebral blood flow and hemodynamics in awake mice. <i>Biomedical Optics Express</i> , 2020, 11, 3288.	1.5	11
381	Robust three-dimensional registration on optical coherence tomography angiography for speckle reduction and visualization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 11, 879-894.	1.1	11
382	LIF, a mitogen for choroidal endothelial cells, protects the choriocapillaris: implications for prevention of geographic atrophy. <i>EMBO Molecular Medicine</i> , 2022, 14, e14511.	3.3	11
383	OCTA Derived Vessel Skeleton Density Versus Flux and Their Associations With Systemic Determinants of Health. , 2022, 63, 19.		11
384	Fast algorithm to determine optical properties of a turbid medium from time-resolved measurements. <i>Applied Optics</i> , 1998, 37, 7342.	2.1	10
385	Monitoring of lung tumour cell growth in artificial membranes. <i>Biosensors and Bioelectronics</i> , 2004, 20, 442-447.	5.3	10
386	Full range complex spectral domain optical coherence tomography for volumetric imaging at 47â€™000 A-scans per second. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 084003.	1.0	10
387	Full range complex ultrahigh sensitive optical microangiography. <i>Optics Letters</i> , 2011, 36, 831.	1.7	10
388	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.	0.4	10
389	A Practical Method for Creating Targeted Focal Ischemic Stroke in the Cortex of Nonhuman Primates. , 2019, 2019, 3515-3518.		10
390	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.	0.8	10
391	PARACENTRAL ACUTE MIDDLE MACULOPATHY ASSOCIATED WITH BILATERAL OPTIC DISK SWELLING AND MENINGITIS. <i>Retinal Cases and Brief Reports</i> , 2020, 14, 157-162.	0.3	10
392	Delineating Corneal Elastic Anisotropy in a Porcine Model Using Noncontact OCT Elastography and ExVivo Mechanical Tests. <i>Ophthalmology Science</i> , 2021, 1, 100058.	1.0	10
393	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.	1.1	10
394	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.	1.5	10
395	Predicting the Onset of Exudation in Treatment-Naïve Eyes with Nonexudative Age-Related Macular Degeneration. <i>Ophthalmology Retina</i> , 2022, 6, 1-3.	1.2	10
396	Modified filter synthetic discriminant functions for improved optical correlator performance. <i>Applied Optics</i> , 1994, 33, 7646.	2.1	9

#	ARTICLE	IF	CITATIONS
397	Assessment of a Wiener filter synthetic discriminant function for optical correlation. <i>Optics and Lasers in Engineering</i> , 1995, 22, 33-51.	2.0	9
398	Monitoring cell profile in tissue engineered constructs by OCT. , 2005, , .		9
399	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.	1.4	9
400	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.	2.2	9
401	Association of GALNT3 gene polymorphisms with bone mineral density in Chinese postmenopausal women. <i>Menopause</i> , 2014, 21, 515-521.	0.8	9
402	Near-Infrared Selective and Angle-Independent Backscattering from Magnetite Nanoparticle-Decorated Diatom Frustules. <i>ACS Photonics</i> , 2014, 1, 477-482.	3.2	9
403	Mapping transverse velocity of particles in capillary vessels by time-varying laser speckle through perturbation analyses. <i>Optics Letters</i> , 2015, 40, 1896.	1.7	9
404	Imaging collector channel entrance with a new intraocular microprobe swept-source optical coherence tomography. <i>Acta Ophthalmologica</i> , 2017, 95, 602-607.	0.6	9
405	Optical coherence tomography correlates multiple measures of tissue damage following acute burn injury. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 731-741.	1.1	9
406	Measurement and visualization of stimulus-evoked tissue dynamics in mouse barrel cortex using phase-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2020, 11, 699.	1.5	9
407	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.	1.7	9
408	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.	1.3	9
409	Trabecular Meshwork Motion Profile from Pulsatile Pressure Transients: A New Platform to Simulate Transitory Responses in Humans and Nonhuman Primates. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11.	1.3	9
410	Depth-resolved visualization and automated quantification of hyperreflective foci on OCT scans using optical attenuation coefficients. <i>Biomedical Optics Express</i> , 2022, 13, 4175.	1.5	9
411	Enhance light penetration in tissue for high-resolution optical imaging techniques by the use of biocompatible chemical agents. , 2003, , .		8
412	Simultaneous analysis of refractive index and physical thickness by Fourier domain optical coherence tomography. <i>IEE Proceedings: Optoelectronics</i> , 2006, 153, 222.	0.8	8
413	Two-Dimensional Photoacoustic Imaging of Blood Vessel Networks within Biological Tissues. <i>Chinese Physics Letters</i> , 2006, 23, 512-515.	1.3	8
414	Optimization of image-forming optics for transmission optical projection tomography. <i>Applied Optics</i> , 2007, 46, 6815.	2.1	8

#	ARTICLE	IF	CITATIONS
415	High-resolution computed tomography of refractive index distribution by transillumination low-coherence interferometry. <i>Optics Letters</i> , 2010, 35, 91.	1.7	8
416	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.	1.4	8
417	A haplotype of MATN3 is associated with vertebral fracture in Chinese postmenopausal women: Peking Vertebral Fracture (PK-VF) study. <i>Bone</i> , 2012, 50, 917-924.	1.4	8
418	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.	5.4	8
419	OCT-Based Angiography and Surface Topography in Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 849-860.	1.1	8
420	Multimodal Imaging Features and Clinical Relevance of Subretinal Lipid Globules. <i>American Journal of Ophthalmology</i> , 2021, 222, 112-125.	1.7	8
421	Interocular asymmetry of choroidal thickness and vascularity index measurements in normal eyes assessed by swept-source optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 781-795.	1.1	8
422	Smartphone-enabled snapshot multispectral autofluorescence imaging and its application for bacteria assessments in skin and oral cavity. <i>Optics and Lasers in Engineering</i> , 2021, 140, 106546.	2.0	8
423	Hemiretinal Asymmetry in Peripapillary Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. <i>American Journal of Ophthalmology</i> , 2021, 230, 156-165.	1.7	8
424	Three-dimensional segmentation and depth-encoded visualization of choroidal vasculature using swept-source optical coherence tomography. <i>Experimental Biology and Medicine</i> , 2021, 246, 2238-2245.	1.1	8
425	A novel automatic 3D stitching algorithm for optical coherence tomography angiography and its application in dermatology. <i>Journal of Biophotonics</i> , 2021, 14, e202100152.	1.1	8
426	LONGITUDINAL ANALYSIS OF DIABETIC CHOROIDOPATHY IN PROLIFERATIVE DIABETIC RETINOPATHY TREATED WITH PANRETINAL PHOTOCOAGULATION USING WIDEFIELD SWEEP-SOURCE OPTICAL COHERENCE TOMOGRAPHY. <i>Retina</i> , 2022, 42, 417-425.	1.0	8
427	Tissue clearing as a tool to enhance imaging capability for optical coherence tomography. , 2002, , .		7
428	A naturally occurring contrast agent for OCT imaging of smokers' lung. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 2590-2596.	1.3	7
429	Introduction: feature issue on In Vivo Microcirculation Imaging. <i>Biomedical Optics Express</i> , 2011, 2, 1861.	1.5	7
430	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.	1.2	7
431	Velocity measurements of heterogeneous RBC flow in capillary vessels using dynamic laser speckle signal. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	7
432	Analysis of the characteristics of optical coherence tomography angiography for retinal cavernous hemangioma. <i>Medicine (United States)</i> , 2018, 97, e9940.	0.4	7

#	ARTICLE	IF	CITATIONS
433	Automated vessel diameter quantification and vessel tracing for <sc>OCT</sc> angiography. Journal of Biophotonics, 2020, 13, e202000248.	1.1	7
434	Guided vascularization in the rat heart leads to transient vessel patterning. APL Bioengineering, 2020, 4, 016105.	3.3	7
435	Enhanced spatial resolution for snapshot hyperspectral imaging of blood perfusion and melanin information within human tissue. Journal of Biophotonics, 2020, 13, e202000019.	1.1	7
436	Abnormal retinal capillary blood flow in autosomal dominant Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12162.	1.2	7
437	Topographic Quadrant Analysis of Peripapillary Superficial Microvasculature in Optic Disc Drusen. Frontiers in Neurology, 2021, 12, 666359.	1.1	7
438	Correlation Between Localized Choriocapillaris Perfusion and Macular Function in Eyes with Geographic Atrophy. American Journal of Ophthalmology, 2022, 234, 174-182.	1.7	7
439	Steps to Measurement Floor of an Optical Microangiography Device in Glaucoma. American Journal of Ophthalmology, 2021, 231, 58-69.	1.7	7
440	Semi-automated registration and segmentation for gingival tissue volume measurement on 3D OCT images. Biomedical Optics Express, 2020, 11, 4536.	1.5	7
441	Quantifying Choriocapillaris Flow Voids in Patients With Geographic Atrophy Using Swept-Source OCT Angiography. Ophthalmic Surgery Lasers and Imaging Retina, 2019, 50, e229-e235.	0.4	7
442	Deep-learning approach for automated thickness measurement of epithelial tissue and scab using optical coherence tomography. Journal of Biomedical Optics, 2022, 27, .	1.4	7
443	Choriocapillaris Changes in Myopic Macular Degeneration. Translational Vision Science and Technology, 2022, 11, 37.	1.1	7
444	Modeling the biomechanics of the conventional aqueous outflow pathway microstructure in the human eye. Computer Methods and Programs in Biomedicine, 2022, 221, 106922.	2.6	7
445	<title>Sedimentation of immersed blood studied by OCT</title>., 2001, , .		6
446	Effect of laser and environmental parameters on reducing microbial contamination of stainless steel surfaces with Nd:YAG laser irradiation. Journal of Applied Microbiology, 2005, 99, 934-944.	1.4	6
447	Imaging using parallel integrals in optical projection tomography. Physics in Medicine and Biology, 2006, 51, 6023-6032.	1.6	6
448	Frequency dependence of laser ultrasonic SAW phase velocities measurements. Ultrasonics, 2013, 53, 191-195.	2.1	6
449	Analysis of cross-sectional image filters for evaluating nonaveraged optical microangiography images. Applied Optics, 2014, 53, 806.	0.9	6
450	Dynamic laser speckle angiography achieved by eigenâ€decomposition filtering. Journal of Biophotonics, 2017, 10, 805-810.	1.1	6

#	ARTICLE	IF	CITATIONS
451	Noninvasive multimodal imaging by integrating optical coherence tomography with autofluorescence imaging for dental applications. <i>Journal of Biophotonics</i> , 2020, 13, e202000026.	1.1	6
452	Optical coherence tomography for the investigation of skin adaptation to mechanical stress. <i>Skin Research and Technology</i> , 2020, 26, 627-638.	0.8	6
453	Choroidal Thickness by Handheld Swept-Source Optical Coherence Tomography in Term Newborns. <i>Translational Vision Science and Technology</i> , 2021, 10, 27.	1.1	6
454	Effects of Schlemm's Canal Expansion: Biomechanics and MIGS Implications. <i>Life</i> , 2021, 11, 176.	1.1	6
455	Swept source OCTA reveals a link between choriocapillaris blood flow and vision loss in a case of tubercular serpiginous-like choroiditis. <i>American Journal of Ophthalmology Case Reports</i> , 2021, 21, 101018.	0.4	6
456	Moving-source elastic wave reconstruction for high-resolution optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2016, 21, 116006.	1.4	6
457	<title>Optical clearing of in vivo human skin with hyperosmotic chemicals investigated by optical coherence tomography and near-infrared reflectance spectroscopy</title>. , 2004, , .		6
458	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.	1.7	6
459	Optical Coherence Tomography Microangiography Imaging of Circumscribed Choroidal Hemangioma. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2018, 49, 134-137.	0.4	6
460	Optical coherence tomography angiography distortion correction in widefield montage images. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 11, 928-938.	1.1	6
461	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.	1.1	6
462	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.	1.1	6
463	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgery's MIGS-Like Platform and Optical Coherence Tomography Imaging. <i>Frontiers in Medicine</i> , 2022, 9, 815866.	1.2	6
464	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.	1.4	5
465	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.	0.8	5
466	<title>Whole blood and RBC sedimentation and aggregation study using OCT</title>. , 2001, , .		5
467	Application of optical coherence tomography for diagnosis and measurements of glycated hemoglobin. , 2003, 5140, 125.		5
468	Visualisation of human subcutaneous blood vessels by increasing coherence probing depth. <i>Quantum Electronics</i> , 2004, 34, 1157-1162.	0.3	5

#	ARTICLE	IF	CITATIONS
469	Theoretical model on optical clearing of biological tissue with semipermeable chemical agents. , 2004, 5330, 215.		5
470	Effect of dehydration on optical clearing and OCT imaging contrast after impregnation of biological tissue with biochemical agents. , 2004, , .		5
471	Availability of thiazone as an enhancer for optical clearing of skin tissue in vitro. , 2008, , .		5
472	Optical Microangiography: High-Resolution 3-D Imaging of Blood Flow. Optics and Photonics News, 2009, 20, 40.	0.4	5
473	LABEL-FREE 3D OPTICAL MICROANGIOGRAPHY IMAGING OF FUNCTIONAL VASA NERVORUM AND PERIPHERAL MICROVASCULAR TREE IN THE HIND LIMB OF DIABETIC MICE. Journal of Innovative Optical Health Sciences, 2010, 03, 307-313.	0.5	5
474	Full skin quantitative optical coherence elastography achieved by combining vibration and surface acoustic wave methods. Proceedings of SPIE, 2015, , .	0.8	5
475	Re: Spaide etÂal.: Volume-rendering opticalÂcoherence tomography angiography of macular telangiectasia type 2 (Ophthalmology 2015;122:2261-9). Ophthalmology, 2016, 123, e24.	2.5	5
476	Assessment of edema volume in skin upon injury in a mouse ear model with optical coherence tomography. Lasers in Medical Science, 2016, 31, 1351-1361.	1.0	5
477	Utility of optical coherence tomography angiography in detecting glaucomatous damage in a uveitic patient with disc congestion: A case report. American Journal of Ophthalmology Case Reports, 2017, 8, 78-83.	0.4	5
478	<scp>OCT</scp>-based microangiography for reactive hyperaemia assessment within residual limb skin of people with lower limb loss. Skin Research and Technology, 2018, 24, 152-155.	0.8	5
479	Clinical Utility of Triplicate En Face Image Averaging for Optical Coherence Tomography Angiography in Glaucoma and Glaucoma Suspects. Journal of Glaucoma, 2020, 29, 823-830.	0.8	5
480	Retinal Capillary Nonperfusion on OCT-Angiography and Its Relationship to Kidney Function in Patients with Diabetes. Journal of Ophthalmology, 2020, 2020, 1-9.	0.6	5
481	Spatiotemporal monitoring of changes in oxy/deoxy-hemoglobin concentration and blood pulsation on human skin using smartphone-enabled remote multispectral photoplethysmography. Biomedical Optics Express, 2021, 12, 2919.	1.5	5
482	The disposable bandage soft contact lenses therapy and anterior segment optical coherence tomography for management of ocular graft-versus-host disease. BMC Ophthalmology, 2021, 21, 271.	0.6	5
483	Optical Tissue Clearing to Enhance Imaging Performance for OCT. Biological and Medical Physics Series, 2008, , 855-886.	0.3	5
484	Optical Coherence Tomography for the Investigation of Skin Adaptation in Lower-Limb Prosthesis Users. Journal of Prosthetics and Orthotics, 2021, 33, 255-265.	0.2	5
485	Ocular and systemic determinants of perifoveal and macular vessel parameters in healthy African Americans. British Journal of Ophthalmology, 2021, , bjophthalmol-2021-319675.	2.1	5
486	Capillary density and caliber as assessed by optical coherence tomography angiography may be significant predictors of diabetic retinopathy severity. PLoS ONE, 2022, 17, e0262996.	1.1	5

#	ARTICLE	IF	CITATIONS
487	Vitreous opacities in infants born full-term and preterm by handheld swept-source optical coherence tomography. <i>Journal of AAPOS</i> , 2022, 26, 20.e1-20.e7.	0.2	5
488	A versatile toolbox for studying cortical physiology in primates. <i>Cell Reports Methods</i> , 2022, 2, 100183.	1.4	5
489	Mitigating the effects of choroidal hyper- and hypo-transmission defects on choroidal vascularity index assessments using optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2932-2946.	1.1	5
490	Intraoral optical coherence tomography and angiography combined with autofluorescence for dental assessment. <i>Biomedical Optics Express</i> , 2022, 13, 3629.	1.5	5
491	Local axis orientation mapped by polarization sensitive optical coherence tomography provides a unique contrast to identify caries lesions in enamel. <i>Biomedical Optics Express</i> , 2022, 13, 4247.	1.5	5
492	Tuneable edge enhancement filters for optical correlation. <i>Optics and Lasers in Engineering</i> , 1995, 23, 75-91.	2.0	4
493	Layer dependent refractive index measurement by Fourier domain optical coherence tomography. , 2006, 6079, 183.		4
494	Optical coherence tomography (OCT) imaging and computer aided diagnosis of human cervical tissue specimens. <i>Proceedings of SPIE</i> , 2007, , .	0.8	4
495	Signal processing using wavelet transform in photo-acoustic tomography. , 2007, , .		4
496	In vivo volumetric blood flow imaging using optical microangiography at capillary level resolution. , 2008, 2008, 804.		4
497	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.	1.4	4
498	Finite element simulation of laser generated surface waves in layered skin model: effect of laser beam characteristics. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
499	Special Section Guest Editorial: Optical Elastography and Measurement of Tissue Biomechanics. <i>Journal of Biomedical Optics</i> , 2013, 18, 121501.	1.4	4
500	Phase-sensitive optical coherence tomography characterization of pulse-induced trabecular meshwork displacement in <i>ex vivo</i> non-human primate eyes. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
501	Measurement of in vivo basal-turn vibrations of the organ of Corti using phase-sensitive Fourier domain optical coherence tomography. , 2013, , .		4
502	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.	1.4	4
503	Video-rate volumetric optical coherence tomography-based microangiography. <i>Optical Engineering</i> , 2016, 55, 040503.	0.5	4
504	Flexible wide-field optical microangiography based on Fourier domain multiplexed dual-beam swept source optical coherence tomography. <i>Journal of Biophotonics</i> , 2018, 11, e201700203.	1.1	4

#	ARTICLE	IF	CITATIONS
505	Macular microvascular parameters in the ganglion cell-inner plexiform layer derived by optical coherence tomography angiography: Vascular structure-central visual function analysis. PLoS ONE, 2020, 15, e0240111.	1.1	4
506	Expression and Pathogenic Analysis of Integrin Family Genes in Systemic Sclerosis. Frontiers in Medicine, 2021, 8, 674523.	1.2	4
507	Longer Axial Length Potentiates Relationship of Intraocular Pressure and Peripapillary Vessel Density in Glaucoma Patients. , 2021, 62, 37.		4
508	Automated Quantification of Choriocapillaris Lesion Area in Patients With Posterior Uveitis. American Journal of Ophthalmology, 2021, 231, 179-193.	1.7	4
509	Resolution improved optical coherence-gated tomography for imaging through biological tissues. , 0, .		4
510	Optical coherence tomography imaging of cranial meninges post brain injury in vivo. Chinese Optics Letters, 2017, 15, 090005.	1.3	4
511	Optical coherence tomography angiography measures blood pulsatile waveforms at variable tissue depths. Quantitative Imaging in Medicine and Surgery, 2020, 11, 907-917.	1.1	4
512	Removing dynamic distortions from laser speckle flowgraphy using Eigenâ€decomposition and spatial filtering. Journal of Biophotonics, 2021, , e202100294.	1.1	4
513	Noise robustness of tuneable photo-refractive filters. Optics and Lasers in Engineering, 1994, 21, 297-306.	2.0	3
514	Multilevel phase- and amplitude-encoded modified-filter synthetic-discriminant-function filters. Applied Optics, 1995, 34, 4094.	2.1	3
515	Joint transform correlator performing pure phase correlation for optical pattern recognition. Journal of Modern Optics, 1996, 43, 2019-2035.	0.6	3
516	Frequency multiplexed DOG filter. Optics and Lasers in Engineering, 1997, 27, 161-177.	2.0	3
517	<title>High-resolution optical tomographic imaging of soft biological tissues</title>. , 2001, 4241, 147.		3
518	Immersion technique as a tool for in-depth OCT imaging through human blood and body's interior tissues. , 2001, , .		3
519	Possible mechanisms for optical clearing of whole blood by dextrans. , 2003, , .		3
520	Role of mass diffusion and water desorption on optical clearing of biological tissue immersed with the hyperosmotic agents. , 2004, 5330, 160.		3
521	Investigation of flows with complex geometry using coherence domain tomography. , 2004, , .		3
522	One specific velocity visualization in flows with complex geometry. , 2005, , .		3

#	ARTICLE	IF	CITATIONS
523	Monitoring tissue formation and organization of engineered tendon by optical coherence tomography. , 2006, , .		3
524	Improved image-forming optics for transmission optical projection tomography. , 2007, , .		3
525	Ultra-high speed full range complex spectral domain optical coherence tomography for volumetric imaging at 140,000 A scans per second. Proceedings of SPIE, 2010, , .	0.8	3
526	Optical Coherence Tomography: Technical Aspects. Biological and Medical Physics Series, 2013, , 163-212.	0.3	3
527	Shear wave elastography using phase sensitive optical coherence tomography. , 2014, , .		3
528	Shear wave elastography of ex vivo human corneas using phase-sensitive optical coherence tomography. , 2014, , .		3
529	Automated choroidal segmentation method in human eye with 1050nm optical coherence tomography. Proceedings of SPIE, 2014, , .	0.8	3
530	Mapping and Quantitating Penetrating Vessels in Cortical Brain Using Eigen-Decomposition of OCT Signals and Subsequent Principal Component Analysis. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-9.	1.9	3
531	A feasibility study of OCT for anatomical and vascular phenotyping of mouse embryo. Journal of Biophotonics, 2020, 13, e201960225.	1.1	3
532	1700 nm broadband laser source enables deep brain optical biopsy. Light: Science and Applications, 2021, 10, 205.	7.7	3
533	Why choroid vessels appear dark in clinical OCT images. , 2018, , .		3
534	Stable fiber-based polarization-sensitive optical coherence tomography using polarization maintaining common-path interferometer. Journal of Biomedical Optics, 2020, 25, .	1.4	3
535	Intrasection Repeatability and Intersession Reproducibility of Macular Vessel Parameters on Optical Coherence Tomography Angiography in Glaucomatous and Non-Glaucomatous Eyes. Current Eye Research, 2022, 47, 1068-1076.	0.7	3
536	Swept-Source Optical Coherence Tomography Detection of Bruchâ€™s Membrane and Choriocapillaris Abnormalities in Sorsby Macular Dystrophy. Retina, 2022, Publish Ahead of Print, .	1.0	3
537	<title>Wiener filter: synthetic discriminant function for target identification</title>. , 1995, 2484, 616.		2
538	Cosine wave encoded joint transform correlation. Optical Engineering, 1996, 35, 1901.	0.5	2
539	Space-variant optical correlation by the use of random binary phase modulation. Journal of Modern Optics, 1998, 45, 653-659.	0.6	2
540	<title>High-resolution optical tomographic imaging of human gastrointestinal tissue in vitro with optical coherence tomography</title>. , 2000, , .		2

#	ARTICLE	IF	CITATIONS
541	High-resolution imaging of colonic mucosa using optical coherence tomography. , 2001, 4251, 242.		2
542	In-vitro imaging of bone tissue and monitoring of tissue viability by optical coherence tomography. , 2001, , .		2
543	50Mn18Cr4WN retaining ring macroresidual stress relieving by pulsating oil pressure. Materials Letters, 2004, 58, 1340-1343.	1.3	2
544	The clinical availability of oleic acid as an enhancer in optical clearing of skin tissue in vitro. , 2005, 5696, 193.		2
545	Comparable application of the OCT and Abbe refractometers for measurements of glycated hemoglobin portion in blood. , 2006, , .		2
546	Using Optical Coherence Tomography to Monitor Process of Wound Healing: a Preliminary Study. , 2006, , .		2
547	Study cell invasion by optical techniques. , 2006, , .		2
548	Regularized processing of signal deconvolution in photo-acoustic signal recovery. , 2007, , .		2
549	Volumetric imaging of microcirculations in human retina and choroids in vivo by optical micro-angiography. Proceedings of SPIE, 2008, , .	0.8	2
550	Quantitative elastography of skin and skin lesion using phase-sensitive OCT (PhS-OCT) and surface wave method. , 2012, , .		2
551	Shear wave elastography method combining phase-sensitive optical coherence tomography and coded acoustic radiation force. , 2014, , .		2
552	Laser speckle contrast imaging of skin blood perfusion responses induced by laser coagulation. Quantum Electronics, 2014, 44, 746-750.	0.3	2
553	Development of a phase-sensitive Fourier domain optical coherence tomography system to measure mouse organ of Corti vibrations in two cochlear turns. AIP Conference Proceedings, 2015, , .	0.3	2
554	Depth Evaluation of Soft Tissue Mimicking Phantoms Using Surface Acoustic Waves. Physics Procedia, 2015, 63, 177-181.	1.2	2
555	Amplitude-modulated ultrasound radiation force combined with phase-sensitive optical coherence tomography for shear wave elastography. Proceedings of SPIE, 2015, , .	0.8	2
556	Quantitative measurement and real-time tracking of high intensity focused ultrasound using phase-sensitive optical coherence tomography: Feasibility study. International Journal of Hyperthermia, 2016, 32, 713-722.	1.1	2
557	Imaging pulse wave velocity in mouse retina using swept-source OCT (Conference Presentation). , 2016, , .		2
558	Optical coherence elastography based on high speed imaging of single-hot laser-induced acoustic waves at 16 kHz frame rate. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
559	Recovery of Arsenic from Arsenic-Bearing Cobalt/Nickel Residue Using Sodium Persulfate. <i>Jom</i> , 2019, 71, 3682-3687.	0.9	2
560	Dynamic imaging and quantification of subcellular motion with eigenâ€decomposition optical coherence tomographyâ€based variance analysis. <i>Journal of Biophotonics</i> , 2019, 12, e201900076.	1.1	2
561	Optical Coherence Tomography in Tissue Engineering. <i>Biological and Medical Physics Series</i> , 2008, , 889-917.	0.3	2
562	Application of amplitude and phase registration in blood flow imaging using optical coherence tomography. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 158702.	0.2	2
563	Multifunctional 1050 nm Spectral Domain OCT System at 147 kHz for Posterior Eye Imaging. <i>Sovremennye Tehnologii V Medicine</i> , 2015, 7, 7-12.	0.4	2
564	De-aliased depth-range-extended optical coherence tomography based on dual under-sampling. <i>Optics Letters</i> , 0, , .	1.7	2
565	Automated counting of cerebral penetrating vessels using optical coherence tomography images of a mouse brain in vivo. <i>Medical Physics</i> , 0, , .	1.6	2
566	Correlation Between Laser Speckle Flowgraphy and OCT-Derived Retinal and Choroidal Metrics in Healthy Human Eye. <i>Translational Vision Science and Technology</i> , 2022, 11, 15.	1.1	2
567	Prediction of least-scattered photons traversing turbid medium: a vertex/propagator model. , 2000, , .		1
568	<title>Blood immersion and sedimentation study using OCT technique</title>. , 2001, , .		1
569	Optical clearing of blood by dextrans. , 2003, , .		1
570	<title>A theoretical model on optical clearing of biological tissue with chemical active agents</title>. , 2004, , .		1
571	<title>Use of OCT to study tumor cell growth in 3D membranes</title>. , 2004, , .		1
572	<title>Symmetry relations in diffusely backscattered polarization patterns of turbid media: a revisit</title>. , 2004, , .		1
573	Optoacoustic tomography and its recent advances in biomedical imaging. , 2005, 5630, 89.		1
574	Application of optical coherence tomography for tissue engineering. , 2005, , .		1
575	OCT image contrast improvement of skin tissue by using oleic acid as an enhancer. , 2005, , .		1
576	High-speed frequency-swept light source at 1550-nm for Fourier domain OCT with A-scanning rate at 20kHz. , 2006, 6079, 195.		1

#	ARTICLE	IF	CITATIONS
577	Investigation on dynamic optical clearing effect of skin tissue under topical application of hyperosmotic agents studied with FT-IR imaging as an analytical tool. , 2006, , .		1
578	<title>The early study on the inspection of tongue of the traditional Chinese medicine using optical coherence tomography</title>. Proceedings of SPIE, 2007, , .	0.8	1
579	A tissue-engineered 3D model of light scattering in atherosclerotic plaques. , 2007, , .		1
580	<title>Full-field OCT for developmental biology</title>. Proceedings of SPIE, 2007, , .	0.8	1
581	Calculating absolute optical absorption coefficients from photoacoustic measurements by iterative fitting. Proceedings of SPIE, 2008, , .	0.8	1
582	Typical application of skin diffusion optical model to quantitative description of tissue optical properties. Proceedings of SPIE, 2009, , .	0.8	1
583	Depth-resolved optical imaging of hemodynamic response in mouse brain with microcirculatory beds. , 2011, , .		1
584	Imaging vibration of the cochlear partition of an excised guinea pig cochlea using phase-sensitive Fourier domain optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	1
585	Variable-range Doppler optical microangiography using stabilized step scanning and phase variance binarized mask. , 2013, , .		1
586	Imaging patients with glaucoma using spectral-domain optical coherence tomography and optical microangiography. , 2015, , .		1
587	High-speed imaging of remotely induced shear waves using phase-sensitive optical coherence tomography. , 2015, , .		1
588	Quantitative shear wave optical coherence elastography (SW-OCE) with acoustic radiation force impulses (ARFI) induced by phase array transducer. , 2015, , .		1
589	Optical Microangiography Based on Optical Coherence Tomography. , 2015, , 1373-1397.		1
590	Two dimensional vibrations of the guinea pig apex organ of Corti measured in vivo using phase sensitive Fourier domain optical coherence tomography. , 2015, , .		1
591	Optical projection angiography. Applied Physics Letters, 2016, 109, 193702.	1.5	1
592	Ultralong-range optical coherence tomography-based angiography by akinetic swept source. , 2017, , .		1
593	Wide field OCT angiography by using swept source OCT in living human eye. , 2017, , .		1
594	Optical Tissue Clearing to Enhance Imaging Performance for OCT. , 2015, , 1455-1487.		1

#	ARTICLE	IF	CITATIONS
595	Metabolic Imaging Approaches: Optical Imaging. , 2018, , 99-126.		1
596	Efficient Synchronization and Reconstruction of 4D Non-Gated Cardiac Images of Chick Embryos Obtained From Optical Coherence Tomography. , 2009, , .		1
597	Special Section Guest Editorial: Commemorating 25 Years of Optical Coherence Tomography: a Perspective on Biomedical Applications. Journal of Biomedical Optics, 2017, 22, 1.	1.4	1
598	Optimal frequency for vibrational optical coherence elastography (OCE) on tissue mechanical properties characterization. , 2019, , .		1
599	Profound Presentation of Retinopathy in a Patient with Sickle Cell trait and Diabetes Mellitus. Journal of Ophthalmic and Vision Research, 2020, 15, 116-117.	0.7	1
600	Optical microangiography reveals temporal and depth-resolved hemodynamic change in mouse barrel cortex during whisker stimulation. Journal of Biomedical Optics, 2020, 25, .	1.4	1
601	Anomalous Optical Properties of Water at 40/spl deg/c and 1.06/spl mu/m. , 1996, , .		0
602	Novel algorithm to determine absorption and scattering coefficients from time-resolved measurements. , 1998, 3254, 342.		0
603	<title>New four-channel continuous wave near-infrared spectroscopy device for regional cerebral oxygenation monitoring</title>. , 2000, , .		0
604	Homodyne mixing of scattered light as a novel technique for the measurement of ciliary beat frequency. , 2000, 3915, 170.		0
605	Effect of tissue optical properties on imaging contrast of optical coherence tomography: Monte-Carlo simulations. , 2000, 3915, 12.		0
606	In-vitro monitoring of redox state of cytochrome oxidase in bone by optical coherence quantitation based on low-coherence interferometry. , 2001, 4251, 117.		0
607	High-resolution optical tomographic imaging for soft biological tissues: an experimental study of wavelength dependence. , 2001, , .		0
608	Optical coherent techniques for study of blood sedimentation and aggregation. , 2002, 4619, 149.		0
609	Tissue clearing of biotissues for optical coherence tomography. , 2002, , .		0
610	Analysis of speckle in optical coherence tomography. , 2002, , .		0
611	Does light scattering affect the OCT quantitation of redox state of cytochrome oxidase in bone tissue?. , 2002, 4619, 219.		0
612	Formulation of beam propagating through the organized tissues withpolarization-sensitive OCT. , 2002, 4916, 293.		0

#	ARTICLE	IF	CITATIONS
613	Theoretical model for optical coherence tomography. , 2003, , .		0
614	Recent developments in biomedical optics. Physics in Medicine and Biology, 2004, 49, .	1.6	0
615	<title>Optical coherence tomography imaging of structural components of the respiratory tract</title>. , 2004, , .		0
616	Improvement of sensitivity and spatial resolution for in vivo imaging with low-level light emitting probes by optical clearing method. , 2004, , .		0
617	<title>Optical coherence tomography imaging of converging flow</title>. , 2004, , .		0
618	Noninvasive imaging of fluid dynamics with Doppler optical coherence tomography. , 2004, 5330, 208.		0
619	Determination of fluid flow-velocity independent of Doppler angle by optical coherence tomography. , 2004, 5316, 136.		0
620	Improved performance in diffuse reflectance measurement by polarization discrimination. , 2005, 5630, 571.		0
621	Ultra-high-resolution optical imaging of cellular structures of high-scattering biological tissues with whole-field optical coherence microscopy. , 2005, , .		0
622	Photoacoustic tomography imaging of biological tissues. , 2005, 5630, 582.		0
623	Fourier domain optical coherence tomography for imaging of biological tissues. , 2005, , .		0
624	Special issue in honour of Professor Valery V Tuchin's contribution to the field of biomedical optics. Journal Physics D: Applied Physics, 2005, 38, .	1.3	0
625	High-speed spectral domain optical coherence tomography for imaging of biological tissues. , 2005, , .		0
626	OCT assessment of aggregation and sedimentation in concentrated RBC suspension: comparison of experimental and Monte Carlo simulated data. , 2005, , .		0
627	Characterization of the transport properties of dense scattering media on the basis of low-coherence interferometry. , 2005, , .		0
628	Three-phase shifting method for full range spectral optical coherence tomography. , 2006, , .		0
629	Dispersion compensation methods for ultra-high-resolution optical coherence tomography. , 2006, , .		0
630	Simulation study on sensitive detection of small absorbers in photoacoustic tomography. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
631	Photoacoustic imaging of blood vessel networks of biotissue. , 2006, , .		0
632	Simulation on sensitive detection of small absorber in photoacoustic tomography. , 2006, 6047, 181.		0
633	Reconstruction algorithm in photoacoustic tomography. , 2006, , .		0
634	<title>The study of transport properties of multiple scattering media by low-coherence reflectometry</title>. , 2006, 6164, 149.		0
635	Spectral optical coherence tomography using three-phase shifting method. , 2006, 6047, 173.		0
636	Photoacoustic imaging: current status and future development. , 2006, , .		0
637	Controlling optical properties of biotissue by the use of biocompatible hyperosmotic agents. , 2007, 6439, 55.		0
638	A novel approach based on OCT for tongue inspection in traditional Chinese medicine. , 2007, , .		0
639	Chicken embryo outflow tract flow measurement using 840-nm and 1300-nm ultra-high speed spectral optical coherence tomography. , 2007, , .		0
640	A novel OCT-based micro-indentation technique for mechanical characterization of soft tissues. , 2007, , .		0
641	Control of guided hard-tissue regeneration using phosphorylated gelatin and OCT imaging of calcification. , 2007, , .		0
642	Birefringence imaging of biological tissue by spectral domain polarization sensitive optical coherence tomography. , 2007, , .		0
643	Monitoring the concentration and oxygen saturation of hemoglobin using photoacoustic technique. , 2007, , .		0
644	Characterization of local fluid flow in 3D porous construct characterized by Fourier domain Doppler optical coherence tomography. , 2007, , .		0
645	Stereoscopic optical coherence tomography in the frequency domain for refractive index sensitive imaging. , 2007, , .		0
646	Spectral domain polarization sensitive optical coherence tomography based on the two-phase method. , 2007, , .		0
647	In situ monitoring of localized shear stress and fluid flow within developing tissue constructs by Doppler optical coherence tomography. Proceedings of SPIE, 2008, , .	0.8	0
648	Potential application of Chinese traditional medicine (CTM) as enhancer for tissue optical clearing. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
649	Wall Motion Influences Flow Pattern in the Outflow Tract of the Chick Embryonic Heart Tube. , 2010, , .		0
650	Common-path endoscopic Fourier domain OCT with a reference Michelson interferometer. Proceedings of SPIE, 2010, , .	0.8	0
651	Study on optical clearing effects by using tissue-like phantom. Proceedings of SPIE, 2010, , .	0.8	0
652	The study of effects of pore architecture in chitosan scaffolds on the fluid flow pattern by Doppler OCT. Proceedings of SPIE, 2010, , .	0.8	0
653	Mechanical characterization of tissue mimicking phantoms by broadband surface acoustic waves. , 2011, , .		0
654	Smart velocity ranging quantifiable optical microangiography. Proceedings of SPIE, 2011, , .	0.8	0
655	Label-free 3D optical imaging of microcirculation within sentinel lymph node in vivo. , 2011, , .		0
656	Monte Carlo simulation on how optical clearing technique influences predicting precision of non-invasive optical blood glucose sensing. Proceedings of SPIE, 2011, , .	0.8	0
657	Optical micro-angiography reveals depth-resolved muscular microcirculation. , 2011, , .		0
658	High sensitive volumetric imaging of renal microcirculation in vivo using ultrahigh sensitive optical microangiography. Proceedings of SPIE, 2011, , .	0.8	0
659	Gold nanorods tailored as tracers for sentinel lymph node biopsy imaged by photothermal optical coherence tomography. Proceedings of SPIE, 2011, , .	0.8	0
660	Ultra high resolution ultra high sensitive optical micro-angiography based on super continuum light source. Proceedings of SPIE, 2011, , .	0.8	0
661	Label-free in vivo optical micro-angiography imaging of cerebral capillary blood flow within meninges and cortex in mice with the skull left intact. Proceedings of SPIE, 2011, , .	0.8	0
662	High-speed dynamic laser speckle imaging of changes of microcirculation in vivo. Proceedings of SPIE, 2011, , .	0.8	0
663	Volumetric in-vivo imaging of intra-cochlear microstructures and microvascular perfusion in mice using high-speed spectral domain optical coherence tomography and ultra-high sensitive optical microangiography. , 2011, , .		0
664	Novel form of photonic crystals for bioimaging contrast enhancement. , 2011, , .		0
665	Ultra-fast one micron spectral domain ultra-high sensitive optical micro-angiography for in vivo visualization of ocular circulation of human retina and choroid. Proceedings of SPIE, 2011, , .	0.8	0
666	Ultra-high-sensitive optical micro-angiography provides depth resolved visualization of microcirculations within human skin under psoriatic conditions. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
667	Imaging Organ of Corti Vibration Using Fourier-Domain OCT. , 2011, , .		0
668	Simultaneous depth-resolved imaging of sub-nanometer scale ossicular vibrations and morphological features of the human-cadaver middle ear with spectral-domain phase-sensitive optical coherence tomography. Proceedings of SPIE, 2012, , .	0.8	0
669	In vivo measurement of differential motion inside the organ of Corti using a low coherence interferometer system. Proceedings of SPIE, 2012, , .	0.8	0
670	In vivo measurement of amplifying motion within the organ of Corti under sound stimulation using optical coherence tomography. , 2012, , .		0
671	Absolute measurement of subnanometer scale vibration of cochlear partition of an excised guinea pig cochlea using spectral-domain phase-sensitive optical coherence tomography. , 2012, , .		0
672	Depth profile absorber concentration reconstruction using photothermal optical coherence tomography. , 2012, , .		0
673	Reflective type objective based spectral-domain phase-sensitive optical coherence tomography for high-sensitive structural and functional imaging of cochlear microstructures through intact bone of an excised guinea pig cochlea. , 2013, , .		0
674	<i>In vivo</i> functional imaging of embryonic chick heart using ultrafast 1310nm-band spectral domain optical coherence tomography. Proceedings of SPIE, 2013, , .	0.8	0
675	High quality optical microangiography of ocular microcirculation and measurement of total retinal blood flow in mouse eye. Proceedings of SPIE, 2013, , .	0.8	0
676	Changes in strain and blood flow in the outflow tract of chicken embryo hearts observed with spectral domain optical coherence tomography after outflow tract banding. , 2013, , .		0
677	In vivo human Lamina Cribrosa microstructural and vasculature evaluation using ultrahigh sensitive optical microangiography. Proceedings of SPIE, 2013, , .	0.8	0
678	Assessing cross-sectional elasticity map by dynamic imaging acoustic waves with phase sensitive optical coherence tomography. , 2013, , .		0
679	Feasibility of a hybrid elastographic-microfluidic device to rapidly process and assess pancreatic cancer biopsies for pathologists. , 2014, 2014, 271-275.		0
680	Flexibly combined optical microangiography and dual-wavelength laser speckle system for comprehensive imaging of hemodynamic and metabolic responses. , 2014, , .		0
681	Quantitative blood flux measurement using MUSIC. Proceedings of SPIE, 2014, , .	0.8	0
682	Multi-parametric imaging of cerebral hemodynamic and metabolic response followed by ischemic injury. Proceedings of SPIE, 2014, , .	0.8	0
683	Non-invasive 3D Optical Imaging of Tissue Microstructure and Microcirculations in Vivo. , 2014, , .		0
684	Large field-of-view and depth-specific cortical microvascular imaging underlies regional differences in ischemic brain. Proceedings of SPIE, 2014, , .	0.8	0

#	ARTICLE	IF	CITATIONS
685	Visualization of ultrasonically induced shear wave propagation using phase sensitive optical coherence tomography. , 2014, , .		0
686	In vivo label-free monitoring microvascular and lymphatic vessel changes and dynamics during wound healing in mouse ear pinna using optical microangiography. Proceedings of SPIE, 2014, , .	0.8	0
687	Moving beam shear wave reconstruction for both ultrasound and optical coherence tomography applications. , 2015, , .		0
688	The second filterâ€™s second coming. AIP Conference Proceedings, 2015, , .	0.3	0
689	Simultaneously Measuring Red Blood Cell Flux in vivo for a Large Number of Retinal Capillary Vessels Using Optical Coherence Tomography. Microscopy and Microanalysis, 2015, 21, 391-392.	0.2	0
690	Optical coherence elastography (OCE) as a method for identifying benign and malignant prostate biopsies. Proceedings of SPIE, 2015, , .	0.8	0
691	In vivo imaging of microvascular changes in inflammatory human skin induced by tape stripping and mosquito saliva using optical microangiography. , 2015, , .		0
692	Mapping tissue shear modulus on Thiel soft-embalmed mouse skin with shear wave optical coherence elastography. , 2015, , .		0
693	A Phase II Study of Bandage Contact Lenses for Ocular Graft-Versus-Host Disease. Biology of Blood and Marrow Transplantation, 2015, 21, S75.	2.0	0
694	Characterization of rat model of acute anterior uveitis using optical coherence tomography angiography. , 2015, , .		0
695	Microvascular changes during acne lesion initiation and scarring is revealed in vivo using optical microangiography. , 2015, , .		0
696	Microvascular complications associated with injection of cosmetic facelift dermal fillers. Proceedings of SPIE, 2015, , .	0.8	0
697	In vivo monitoring of external pressure induced hemodynamics in skin tissue using optical coherence tomography angiography. , 2015, , .		0
698	Optical microangiography reveals collateral blood perfusion dynamics in mouse cerebral cortex after focal stroke. Proceedings of SPIE, 2015, , .	0.8	0
699	<i>In vivo</i> microvascular imaging of human oral and nasal cavities using swept-source optical coherence tomography with a single forward/side viewing probe. Proceedings of SPIE, 2015, , .	0.8	0
700	Mechanical Characterization of Skin Using Surface Acoustic Waves. , 2016, , 327-340.		0
701	Optical coherence tomography based microangiography: A tool good for dermatology applications (Conference Presentation). , 2016, , .		0
702	Mapping transverse capillary flow speed using time-varying OCT speckle signals (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T		

#	ARTICLE	IF	CITATIONS
703	Recent progress in optical coherence tomography based microangiography. , 2016, , .		0
704	High speed all optical shear wave imaging optical coherence elastography (Conference Presentation). , 2016, , .		0
705	Towards the use of OCT angiography in clinical dermatology. Proceedings of SPIE, 2016, , .	0.8	0
706	Application of optical coherence tomography based microangiography for cerebral imaging. , 2016, , .		0
707	Elasticity imaging of speckle-free tissue regions with moving acoustic radiation force and phase-sensitive optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
708	Automated detection of inflammatory cells in whole anterior chamber of a uveitis mouse from swept-source optical coherence tomography images. Proceedings of SPIE, 2016, , .	0.8	0
709	OCT-based in vivo tissue injury mapping. , 2016, , .		0
710	Blood flow changes after unilateral carotid artery ligation monitored by optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0
711	Measurement of strain and strain rate in embryonic chick heart using spectral domain optical coherence tomography. , 2016, , .		0
712	Optical microangiography enabling visualization of change in meninges after traumatic brain injury in mice in vivo. , 2016, , .		0
713	Non-contact rapid optical coherence elastography by high-speed 4D imaging of elastic waves. , 2017, , .		0
714	Efficient Conversion From 1.06 to 2.1 μm Wavelength For Generation of Shear Waves in a Soft Medium. , 2017, , .		0
715	Notice of Removal: Air-coupled ARF-based excitation of broadband mechanical waves for dynamic elastography. , 2017, , .		0
716	Notice of Removal: Combination of air-coupled acoustic micro-tapping and phase sensitive OCT for 4-D real-time, non-contact imaging of soft tissue elastic moduli. , 2017, , .		0
717	A Model for Waveform Dissimilarities in Dual-Depth Reflectance-PPG. , 2018, 2018, 5125-5130.		0
718	The evaluation of spontaneous Descemet's membrane reattachment using swept-source optical coherence tomography: a case report. Quantitative Imaging in Medicine and Surgery, 2019, 9, 535-536.	1.1	0
719	Retinal capillary perfusion in autosomal dominant Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e045662.	0.4	0
720	93 Optical Coherence Tomography: A New Imaging Technique for Burn Injuries. Journal of Burn Care and Research, 2020, 41, S61-S61.	0.2	0

#	ARTICLE	IF	CITATIONS
721	In vivo elasticity mapping in human skin with AuT-based OCE. , 2021, , .		0
722	Abstract P791: A Lesion-Based Toolbox to Study Ischemic Stroke in Primates. Stroke, 2021, 52, .	1.0	0
723	Nearly-incompressible transverse isotropy in the cornea: comparing mechanical tests with acoustic micro-tapping based optical coherence elastography. , 2021, , .		0
724	Innovative Optical Technologies in Ophthalmology and Eye Research. Journal of Ocular Pharmacology and Therapeutics, 2021, 37, 142-142.	0.6	0
725	Vitreous opacities in full-term and preterm infants by handheld swept source optical coherence tomography. Journal of AAPOS, 2021, 25, e68.	0.2	0
726	Gingivitis resolution followed by optical coherence tomography and fluorescence imaging: A case study. Journal of Biophotonics, 2021, 14, e202100191.	1.1	0
727	Imaging the brain and its vasculature in aging. , 2021, , 153-162.		0
728	Comment on "Outer Retinal Layer Thickening Predicts the Onset of Exudative Neovascular Age-Related Macular Degeneration". American Journal of Ophthalmology, 2021, , .	1.7	0
729	Depth resolved imaging of directional vascular perfusion within retina and choroid using optical micro-angiography. , 2010, , .		0
730	Non-invasive optical imaging of tissue morphology and microcirculations in vivo. , 2013, , .		0
731	Residual Deformations of Ocular Tissues. , 2013, , .		0
732	Resolution improved optical coherence-gated tomography by the means of signal processing technique. , 1999, , .		0
733	Optical Coherence Tomography in Tissue Engineering. , 2015, , 1965-2001.		0
734	4D dynamic blood flow observation achieved by inter-volume analysis in OCT. , 2016, , .		0
735	Spectral-domain optical coherence tomography-based angiography for scalable wide-field vascular imaging. , 2016, , .		0
736	Optical Coherence Tomography and Light-Induced Fluorescence: Optical Slicing Plus Biochemical Probing. , 2016, , 299-318.		0
737	Non-invasive optical imaging of tissue morphology and microcirculations in vivo. , 2017, , .		0
738	Non-invasive optical imaging of tissue morphology and microcirculations in vivo. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
739	Using OCT-based microangiography for in vivo longitudinal study of arteriogenesis (Conference) Tj ETQq1 1 0.784314 rgBT /Qverlock		0
740	Characterization of relationship between optical microangiography OMAG signal and blood flow (Conference Presentation). , 2017, , .		0
741	Effect of hindpaw electrical stimulation on capillary flow heterogeneity and oxygen delivery (Conference Presentation). , 2017, , .		0
742	Air-coupled acoustic radiation force source for non-contact measurement of soft media elasticity (Conference Presentation). , 2017, , .		0
743	Optical coherence tomography angiography and cutaneous wound healing. , 2018, , .		0
744	Analysis of small vessel cochlear blood flow regulation during loud sound exposure in the mouse. , 2018, , .		0
745	OCTA in Glaucoma. Essentials in Ophthalmology, 2020, , 47-57.	0.0	0
746	Visualization of OCT signal pulsatility at variable tissue depth with optical microangiography. , 2020, , .		0
747	Integration of light-induced autofluorescence and optical coherence tomography for dental applications (Conference Presentation). , 2020, , .		0
748	A ¹ / ₄ T-driven Dynamic OCE: Review of Recent Progress (Conference Presentation). , 2020, , .		0
749	An anisotropic model for evaluation of corneal elasticity in dynamic OCE (Conference Presentation). , 2020, , .		0
750	Editorial from the New Editor-in-Chief and the New Deputy Editor. Biomedical Optics Express, 2022, 13, 980.	1.5	0
751	Probing Elastic Anisotropy in Human Skin in vivo with Acoustic micro-tapping OCE and Polarization-sensitive OCT. , 2022, , .		0
752	Non-contact Measurement of Corneal Elastic Anisotropy Using a Nearly-incompressible Transverse Isotropic Model and Acoustic micro-tapping OCE. , 2022, , .		0