

Shaozhen Song

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191
papers

8,656
citations

50
h-index

87
g-index

219
ext. papers

10,581
ext. citations

4
avg, IF

6.61
L-index

#	Paper	IF	Citations
191	Probing elastic anisotropy of human skin in vivo with light using non-contact acoustic micro-tapping OCE and polarization sensitive OCT.. <i>Scientific Reports</i> , 2022 , 12, 3963	4.9	2
190	Valve-Like Outflow System Behavior With Motion Slowing in Glaucoma Eyes: Findings Using a Minimally Invasive Glaucoma Surgery-MIGS-Like Platform and Optical Coherence Tomography Imaging.. <i>Frontiers in Medicine</i> , 2022 , 9, 815866	4.9	1
189	Biomechanics of human trabecular meshwork in healthy and glaucoma eyes via dynamic Schlemm's canal pressurization. <i>Computer Methods and Programs in Biomedicine</i> , 2022 , 221, 106921	6.9	2
188	OCT-Based Angiography and Surface Topography in Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021 , 53, 849-860	3.6	3
187	Robust three-dimensional registration on optical coherence tomography angiography for speckle reduction and visualization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 879-894	3.6	4
186	Optical coherence tomography angiography measures blood pulsatile waveforms at variable tissue depths. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 907-917	3.6	3
185	LIF, a mitogen for choroidal endothelial cells, protects the choriocapillaris: implications for prevention of geographic atrophy. <i>EMBO Molecular Medicine</i> , 2021 , e14511	12	1
184	Polarization sensitive optical coherence tomography with single input for imaging depth-resolved collagen organizations. <i>Light: Science and Applications</i> , 2021 , 10, 237	16.7	6
183	Optical coherence tomography for the investigation of skin adaptation in lower limb prosthesis users.. <i>Journal of Prosthetics and Orthotics</i> , 2021 , 33, 255-265	0.7	2
182	Aqueous outflow regulation - 21st century concepts. <i>Progress in Retinal and Eye Research</i> , 2021 , 83, 100921-105	17.5	13
181	Differences in cerebral blood vasculature and flow in awake and anesthetized mouse cortex revealed by quantitative optical coherence tomography angiography. <i>Journal of Neuroscience Methods</i> , 2021 , 353, 109094	3	2
180	Spatiotemporal monitoring of changes in oxy/deoxy-hemoglobin concentration and blood pulsation on human skin using smartphone-enabled remote multispectral photoplethysmography. <i>Biomedical Optics Express</i> , 2021 , 12, 2919-2937	3.5	1
179	Application of OCT-Derived Attenuation Coefficient in Acute Burn-Damaged Skin. <i>Lasers in Surgery and Medicine</i> , 2021 , 53, 1192-1200	3.6	3
178	Analysis of correlations between local geographic atrophy growth rates and local OCT angiography-measured choriocapillaris flow deficits. <i>Biomedical Optics Express</i> , 2021 , 12, 4573-4595	3.5	3
177	Guidelines for Imaging the Choriocapillaris Using OCT Angiography. <i>American Journal of Ophthalmology</i> , 2021 , 222, 92-101	4.9	23
176	Abnormal retinal capillary blood flow in autosomal dominant Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021 , 13, e12162	5.2	1
175	Choroidal Thickness by Handheld Swept-Source Optical Coherence Tomography in Term Newborns. <i>Translational Vision Science and Technology</i> , 2021 , 10, 27	3.3	1

174	Imaging human skin autograft integration with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 784-796	3.6	5
173	Effects of Schlemm's Canal Expansion: Biomechanics and MIGS Implications. <i>Life</i> , 2021 , 11,	3	4
172	A novel automatic 3D stitching algorithm for optical coherence tomography angiography and its application in dermatology. <i>Journal of Biophotonics</i> , 2021 , 14, e202100152	3.1	1
171	Gingivitis resolution followed by optical coherence tomography and fluorescence imaging: A case study. <i>Journal of Biophotonics</i> , 2021 , 14, e202100191	3.1	
170	Imaging the brain and its vasculature in aging 2021 , 153-162		
169	Mean-Subtraction Method for De-shadowing of Tail Artifacts in Cerebral OCTA Images: A Proof of Concept. <i>Materials</i> , 2020 , 13,	3.5	4
168	Guided vascularization in the rat heart leads to transient vessel patterning. <i>APL Bioengineering</i> , 2020 , 4, 016105	6.6	4
167	Noninvasive multimodal imaging by integrating optical coherence tomography with autofluorescence imaging for dental applications. <i>Journal of Biophotonics</i> , 2020 , 13, e202000026	3.1	3
166	Quantification of Choriocapillaris with Phansalkar Local Thresholding: Pitfalls to Avoid. <i>American Journal of Ophthalmology</i> , 2020 , 213, 161-176	4.9	35
165	Optical coherence tomography for the investigation of skin adaptation to mechanical stress. <i>Skin Research and Technology</i> , 2020 , 26, 627-638	1.9	2
164	Automated morphometric measurement of the retinal pigment epithelium complex and choriocapillaris using swept source OCT. <i>Biomedical Optics Express</i> , 2020 , 11, 1834-1850	3.5	7
163	Procedure and protocols for optical imaging of cerebral blood flow and hemodynamics in awake mice. <i>Biomedical Optics Express</i> , 2020 , 11, 3288-3300	3.5	5
162	Semi-automated registration and segmentation for gingival tissue volume measurement on 3D OCT images. <i>Biomedical Optics Express</i> , 2020 , 11, 4536-4547	3.5	5
161	Handheld swept-source optical coherence tomography guided by smartphone-enabled wide-field autofluorescence photography for imaging facial sebaceous glands. <i>Optics Letters</i> , 2020 , 45, 5704-5707 ³		4
160	Polarization sensitive optical coherence tomography for imaging microvascular information within living tissue without polarization-induced artifacts. <i>Biomedical Optics Express</i> , 2020 , 11, 6379-6388	3.5	2
159	Polarization state tracing method to map local birefringent properties in samples using polarization sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2020 , 11, 6852-6863	3.5	2
158	Quantitative Handheld Swept-Source Optical Coherence Tomography Angiography in Awake Preterm and Full-Term Infants. <i>Translational Vision Science and Technology</i> , 2020 , 9, 19	3.3	5
157	The impact of native leptomeningeal collateralization on rapid blood flow recruitment following ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 2165-2178	7.3	3

156	Validation of a Compensation Strategy Used to Detect Choriocapillaris Flow Deficits Under Drusen With Swept Source OCT Angiography. <i>American Journal of Ophthalmology</i> , 2020 , 220, 115-127	4.9	5
155	Nearly-incompressible transverse isotropy (NITI) of cornea elasticity: model and experiments with acoustic micro-tapping OCE. <i>Scientific Reports</i> , 2020 , 10, 12983	4.9	28
154	Automated vessel diameter quantification and vessel tracing for OCT angiography. <i>Journal of Biophotonics</i> , 2020 , 13, e202000248	3.1	3
153	Reduced Pulsatile Trabecular Meshwork Motion in Eyes With Primary Open Angle Glaucoma Using Phase-Sensitive Optical Coherence Tomography 2020 , 61, 21		9
152	A Practical Method for Creating Targeted Focal Ischemic Stroke in the Cortex of Nonhuman Primates. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2019 , 2019, 3515-3518	0.9	2
151	Super-shear evanescent waves for non-contact elastography of soft tissues. <i>Applied Physics Letters</i> , 2019 , 115, 083701	3.4	7
150	Handheld swept-source optical coherence tomography with angiography in awake premature neonates. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 1495-1502	3.6	13
149	Patterned human microvascular grafts enable rapid vascularization and increase perfusion in infarcted rat hearts. <i>Nature Communications</i> , 2019 , 10, 584	17.4	64
148	Microvascular imaging of the skin. <i>Physics in Medicine and Biology</i> , 2019 , 64, 07TR01	3.8	27
147	Mapping and Quantitating Penetrating Vessels in Cortical Brain Using Eigen-Decomposition of OCT Signals and Subsequent Principal Component Analysis. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-9	3.8	1
146	Optical coherence tomography correlates multiple measures of tissue damage following acute burn injury. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 731-741	3.6	7
145	Revealing the morphology and function of the cochlea and middle ear with optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019 , 9, 858-881	3.6	6
144	Does group velocity always reflect elastic modulus in shear wave elastography?. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-11	3.5	15
143	Spatial resolution in dynamic optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2019 , 24, 1-16	3.5	20
142	Development of a clinical prototype of a miniature hand-held optical coherence tomography probe for prematurity and pediatric ophthalmic imaging. <i>Biomedical Optics Express</i> , 2019 , 10, 2383-2398	3.5	22
141	Visualizing choriocapillaris using swept-source optical coherence tomography angiography with various probe beam sizes. <i>Biomedical Optics Express</i> , 2019 , 10, 2847-2860	3.5	11
140	Electrically tunable lens integrated with optical coherence tomography angiography for cerebral blood flow imaging in deep cortical layers in mice. <i>Optics Letters</i> , 2019 , 44, 5037-5040	3	5
139	BACILLARY LAYER DETACHMENT OVERLYING REDUCED CHORIOCAPILLARIS FLOW IN ACUTE IDIOPATHIC MACULOPATHY. <i>Retinal Cases and Brief Reports</i> , 2019 , 16,	1.1	15

138	Evaluating changes of blood flow in retina, choroid, and outer choroid in rats in response to elevated intraocular pressure by 1300 nm swept-source OCT. <i>Microvascular Research</i> , 2019 , 121, 37-45	3.7	10
137	Optical coherence tomography angiography of normal skin and inflammatory dermatologic conditions. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 183-193	3.6	46
136	Microvascular imaging and monitoring of human oral cavity lesions in vivo by swept-source OCT-based angiography. <i>Lasers in Medical Science</i> , 2018 , 33, 123-134	3.1	11
135	Capillary flow homogenization during functional activation revealed by optical coherence tomography angiography based capillary velocimetry. <i>Scientific Reports</i> , 2018 , 8, 4107	4.9	20
134	Flexible wide-field optical micro-angiography based on Fourier-domain multiplexed dual-beam swept source optical coherence tomography. <i>Journal of Biophotonics</i> , 2018 , 11, e201700203	3.1	3
133	Quantification of Pulse-Dependent Trabecular Meshwork Motion in Normal Humans Using Phase-Sensitive OCT 2018 , 59, 3675-3681		19
132	A Novel Strategy for Quantifying Choriocapillaris Flow Voids Using Swept-Source OCT Angiography 2018 , 59, 203-211		157
131	Comparing imaging capabilities of spectral domain and swept source optical coherence tomography angiography in healthy subjects and central serous retinopathy. <i>Eye and Vision (London, England)</i> , 2018 , 5, 19	4.9	9
130	A noninvasive imaging and measurement using optical coherence tomography angiography for the assessment of gingiva: An in vivo study. <i>Journal of Biophotonics</i> , 2018 , 11, e201800242	3.1	13
129	Multifunctional in vivo imaging for monitoring wound healing using swept-source polarization-sensitive optical coherence tomography. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 213-221	3.6	12
128	Ultra-wide optical coherence tomography angiography in diabetic retinopathy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 743-753	3.6	37
127	Accurate estimation of choriocapillaris flow deficits beyond normal intercapillary spacing with swept source OCT angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 658-666	3.6	49
126	Optical coherence tomography angiography monitors human cutaneous wound healing over time. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 135-150	3.6	30
125	Improving visualization and quantitative assessment of choriocapillaris with swept source OCTA through registration and averaging applicable to clinical systems. <i>Scientific Reports</i> , 2018 , 8, 16826	4.9	34
124	Imaging and visualization of the polarization state of the probing beam in polarization-sensitive optical coherence tomography. <i>Applied Physics Letters</i> , 2018 , 113, 231101	3.4	8
123	OCT-based angiography of human dermal microvascular reactions to local stimuli: Implications for increasing capillary blood collection volumes. <i>Lasers in Surgery and Medicine</i> , 2018 , 50, 908-916	3.6	9
122	Aging-associated changes in cerebral vasculature and blood flow as determined by quantitative optical coherence tomography angiography. <i>Neurobiology of Aging</i> , 2018 , 70, 148-159	5.6	41
121	Ultralong-range optical coherence tomography-based angiography by akinetic swept source 2017 ,		1

120	Robust numerical phase stabilization for long-range swept-source optical coherence tomography. <i>Journal of Biophotonics</i> , 2017 , 10, 1398-1410	3.1	30
119	Optical coherence tomography angiography-based capillary velocimetry. <i>Journal of Biomedical Optics</i> , 2017 , 22, 66008	3.5	26
118	Repeatability of vessel density measurement in human skin by OCT-based microangiography. <i>Skin Research and Technology</i> , 2017 , 23, 607-612	1.9	15
117	Wide field OCT angiography by using swept source OCT in living human eye 2017 ,		1
116	Optical coherence elastography in ophthalmology. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-28	3.5	97
115	Robust principal component analysis in optical micro-angiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017 , 7, 654-667	3.6	9
114	Complex-based OCT angiography algorithm recovers microvascular information better than amplitude- or phase-based algorithms in phase-stable systems. <i>Physics in Medicine and Biology</i> , 2017 , 63, 015023	3.8	30
113	Optical coherence tomography angiography: A comprehensive review of current methods and clinical applications. <i>Progress in Retinal and Eye Research</i> , 2017 , 60, 66-100	20.5	435
112	Aqueous outflow regulation: Optical coherence tomography implicates pressure-dependent tissue motion. <i>Experimental Eye Research</i> , 2017 , 158, 171-186	3.7	47
111	Wide field and highly sensitive angiography based on optical coherence tomography with a kinetic swept source. <i>Biomedical Optics Express</i> , 2017 , 8, 420-435	3.5	31
110	Optical coherence tomography based angiography [Invited]. <i>Biomedical Optics Express</i> , 2017 , 8, 1056-1082	9.5	231
109	Estimating Human Trabecular Meshwork Stiffness by Numerical Modeling and Advanced OCT Imaging 2017 , 58, 4809-4817		42
108	Long ranging swept-source optical coherence tomography-based angiography outperforms its spectral-domain counterpart in imaging human skin microcirculations. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-11	3.5	17
107	Complex signal-based optical coherence tomography angiography enables in vivo visualization of choriocapillaris in human choroid. <i>Journal of Biomedical Optics</i> , 2017 , 22, 1-10	3.5	14
106	Strategies to improve phase-stability of ultrafast swept source optical coherence tomography for single shot imaging of transient mechanical waves at 16 kHz frame rate. <i>Applied Physics Letters</i> , 2016 , 108, 191104	3.4	35
105	Automated segmentation and enhancement of optical coherence tomography-acquired images of rodent brain. <i>Journal of Neuroscience Methods</i> , 2016 , 270, 132-137	3	22
104	Optical coherence elastography based on high speed imaging of single-shot laser-induced acoustic waves at 16 kHz frame rate 2016 ,		2
103	Optical Coherence Tomography Angiography of Asymptomatic Neovascularization in Intermediate Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2016 , 123, 1309-19	7.3	174

102	Review of optical coherence tomography based angiography in neuroscience. <i>Neurophotonics</i> , 2016 , 3, 010902	3.9	60
101	Intervolume analysis to achieve four-dimensional optical microangiography for observation of dynamic blood flow. <i>Journal of Biomedical Optics</i> , 2016 , 21, 36005	3.5	19
100	Moving-source elastic wave reconstruction for high-resolution optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 116006	3.5	4
99	Optical coherence tomography based microangiography findings in hydroxychloroquine toxicity. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 178-83	3.6	8
98	Optic nerve head perfusion in normal eyes and eyes with glaucoma using optical coherence tomography-based microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 125-33	3.6	51
97	Highly efficient eigen decomposition based statistical optical microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016 , 6, 557-563	3.6	18
96	OCT Study of Mechanical Properties Associated with Trabecular Meshwork and Collector Channel Motion in Human Eyes. <i>PLoS ONE</i> , 2016 , 11, e0162048	3.7	25
95	Peripapillary Retinal Nerve Fiber Layer Vascular Microcirculation in Glaucoma Using Optical Coherence Tomography-Based Microangiography 2016 , 57, OCT475-85		89
94	Long-range and wide field of view optical coherence tomography for 3D imaging of large volume object based on akinetic programmable swept source. <i>Biomedical Optics Express</i> , 2016 , 7, 4734-4748	3.5	54
93	Cerebral capillary velocimetry based on temporal OCT speckle contrast. <i>Biomedical Optics Express</i> , 2016 , 7, 4859-4873	3.5	24
92	Quantifying Microvascular Density and Morphology in Diabetic Retinopathy Using Spectral-Domain Optical Coherence Tomography Angiography 2016 , 57, OCT362-70		298
91	Quantitative measurement and real-time tracking of high intensity focused ultrasound using phase-sensitive optical coherence tomography: Feasibility study. <i>International Journal of Hyperthermia</i> , 2016 , 32, 713-22	3.7	1
90	Characterizing relationship between optical microangiography signals and capillary flow using microfluidic channels. <i>Biomedical Optics Express</i> , 2016 , 7, 2709-28	3.5	34
89	Scalable wide-field optical coherence tomography-based angiography for in vivo imaging applications. <i>Biomedical Optics Express</i> , 2016 , 7, 1905-19	3.5	29
88	Quantitative assessment of the retinal microvasculature using optical coherence tomography angiography. <i>Journal of Biomedical Optics</i> , 2016 , 21, 66008	3.5	155
87	Impaired Collateral Flow Compensation During Chronic Cerebral Hypoperfusion in the Type 2 Diabetic Mice. <i>Stroke</i> , 2016 , 47, 3014-3021	6.7	16
86	Air-coupled acoustic radiation force for non-contact generation of broadband mechanical waves in soft media. <i>Applied Physics Letters</i> , 2016 , 109, 043701	3.4	27
85	Acoustic micro-tapping for non-contact 4D imaging of tissue elasticity. <i>Scientific Reports</i> , 2016 , 6, 38967	4.9	75

84	Wide-field optical coherence tomography based microangiography for retinal imaging. <i>Scientific Reports</i> , 2016 , 6, 22017	4.9	89
83	Wide-field optical coherence tomography angiography enabled by two repeated measurements of B-scans. <i>Optics Letters</i> , 2016 , 41, 2330-3	3	30
82	Depth-resolved 3D visualization of coronary microvasculature with optical microangiography. <i>Physics in Medicine and Biology</i> , 2016 , 61, 7536-7550	3.8	8
81	Evaluation of the effect of elevated intraocular pressure and reduced ocular perfusion pressure on retinal capillary bed filling and total retinal blood flow in rats by OMAG/OCT. <i>Microvascular Research</i> , 2015 , 101, 86-95	3.7	31
80	High resolution imaging of acne lesion development and scarring in human facial skin using OCT-based microangiography. <i>Lasers in Surgery and Medicine</i> , 2015 , 47, 231-8	3.6	36
79	High-speed imaging of remotely induced shear waves using phase-sensitive optical coherence tomography 2015 ,		1
78	Amplitude-modulated ultrasound radiation force combined with phase-sensitive optical coherence tomography for shear wave elastography 2015 ,		1
77	Shear wave elastography using amplitude-modulated acoustic radiation force and phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2015 , 20, 016001	3.5	42
76	Quantitative shear wave optical coherence elastography (SW-OCE) with acoustic radiation force impulses (ARFI) induced by phase array transducer 2015 ,		1
75	Wide-field imaging of retinal vasculature using optical coherence tomography-based microangiography provided by motion tracking. <i>Journal of Biomedical Optics</i> , 2015 , 20, 066008	3.5	77
74	Methods and algorithms for optical coherence tomography-based angiography: a review and comparison. <i>Journal of Biomedical Optics</i> , 2015 , 20, 100901	3.5	240
73	Vasodynamics of pial and penetrating arterioles in relation to arteriolo-arteriolar anastomosis after focal stroke. <i>Neurophotonics</i> , 2015 , 2, 025006	3.9	38
72	Detection and characterisation of biopsy tissue using quantitative optical coherence elastography (OCE) in men with suspected prostate cancer. <i>Cancer Letters</i> , 2015 , 357, 121-128	9.9	43
71	Capillary blood flow imaging within human finger cuticle using optical microangiography. <i>Journal of Biophotonics</i> , 2015 , 8, 46-51	3.1	40
70	In vivo blood flow imaging of inflammatory human skin induced by tape stripping using optical microangiography. <i>Journal of Biophotonics</i> , 2015 , 8, 265-72	3.1	21
69	Impaired leptomeningeal collateral flow contributes to the poor outcome following experimental stroke in the Type 2 diabetic mice. <i>Journal of Neuroscience</i> , 2015 , 35, 3851-64	6.6	42
68	Quantitative shear-wave optical coherence elastography with a programmable phased array ultrasound as the wave source. <i>Optics Letters</i> , 2015 , 40, 5007-10	3	31
67	Minimizing projection artifacts for accurate presentation of choroidal neovascularization in OCT micro-angiography. <i>Biomedical Optics Express</i> , 2015 , 6, 4130-43	3.5	138

66	Pulsatile motion of trabecular meshwork in a patient with iris cyst by phase-sensitive optical coherence tomography: a case report. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015 , 5, 171-3	3.6	6
65	Quantitative elasticity measurement of urinary bladder wall using laser-induced surface acoustic waves. <i>Biomedical Optics Express</i> , 2014 , 5, 4313-28	3.5	31
64	Visualizing ultrasonically induced shear wave propagation using phase-sensitive optical coherence tomography for dynamic elastography. <i>Optics Letters</i> , 2014 , 39, 838-41	3	51
63	Feasibility of a hybrid elastographic-microfluidic device to rapidly process and assess pancreatic cancer biopsies for pathologists 2014 , 2014, 271-275		
62	Platform to investigate aqueous outflow system structure and pressure-dependent motion using high-resolution spectral domain optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 106013	3.5	34
61	Shear wave pulse compression for dynamic elastography using phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 16013	3.5	35
60	Full anterior segment biometry with extended imaging range spectral domain optical coherence tomography at 1340 nm. <i>Journal of Biomedical Optics</i> , 2014 , 19, 046013	3.5	24
59	Shear wave elastography using phase sensitive optical coherence tomography 2014 ,		3
58	User-guided segmentation for volumetric retinal optical coherence tomography images. <i>Journal of Biomedical Optics</i> , 2014 , 19, 086020	3.5	105
57	Shear wave elastography of ex vivo human corneas using phase-sensitive optical coherence tomography 2014 ,		1
56	Multimodal optical imaging can reveal changes in microcirculation and tissue oxygenation during skin wound healing. <i>Lasers in Surgery and Medicine</i> , 2014 , 46, 470-8	3.6	16
55	Assessment of microcirculation dynamics during cutaneous wound healing phases in vivo using optical microangiography. <i>Journal of Biomedical Optics</i> , 2014 , 19, 76015	3.5	22
54	Laser induced surface acoustic wave combined with phase sensitive optical coherence tomography for superficial tissue characterization: a solution for practical application. <i>Biomedical Optics Express</i> , 2014 , 5, 1403-19	3.5	33
53	Application of thinned-skull cranial window to mouse cerebral blood flow imaging using optical microangiography. <i>PLoS ONE</i> , 2014 , 9, e113658	3.7	36
52	Swept-source OCT angiography of macular telangiectasia type 2. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2014 , 45, 369-80	1.4	82
51	Conditional ablation of neuroprogenitor cells in adult mice impedes recovery of poststroke cognitive function and reduces synaptic connectivity in the perforant pathway. <i>Journal of Neuroscience</i> , 2013 , 33, 17314-25	6.6	60
50	Frequency dependence of laser ultrasonic SAW phase velocities measurements. <i>Ultrasonics</i> , 2013 , 53, 191-5	3.5	3
49	Wide velocity range Doppler optical microangiography using optimized step-scanning protocol with phase variance mask. <i>Journal of Biomedical Optics</i> , 2013 , 18, 106015	3.5	31

48	Super-resolution spectral estimation of optical micro-angiography for quantifying blood flow within microcirculatory tissue beds in vivo. <i>Biomedical Optics Express</i> , 2013 , 4, 1214-28	3.5	27
47	Pulsatile motion of the trabecular meshwork in healthy human subjects quantified by phase-sensitive optical coherence tomography. <i>Biomedical Optics Express</i> , 2013 , 4, 2051-65	3.5	58
46	Label-free optical lymphangiography: development of an automatic segmentation method applied to optical coherence tomography to visualize lymphatic vessels using Hessian filters. <i>Journal of Biomedical Optics</i> , 2013 , 18, 86004	3.5	39
45	Tracking mechanical wave propagation within tissue using phase-sensitive optical coherence tomography: motion artifact and its compensation. <i>Journal of Biomedical Optics</i> , 2013 , 18, 121505	3.5	79
44	Shear modulus imaging by direct visualization of propagating shear waves with phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013 , 18, 121509	3.5	64
43	Quantitative evaluation of degenerated tendon model using combined optical coherence elastography and acoustic radiation force method. <i>Journal of Biomedical Optics</i> , 2013 , 18, 111417	3.5	29
42	Tracking dynamic microvascular changes during healing after complete biopsy punch on the mouse pinna using optical microangiography. <i>PLoS ONE</i> , 2013 , 8, e57976	3.7	23
41	Uniform enhancement of optical micro-angiography images using Rayleigh contrast-limited adaptive histogram equalization. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013 , 3, 5-17	3.6	15
40	Changes in cochlear blood flow in mice due to loud sound exposure measured with Doppler optical microangiography and laser Doppler flowmetry. <i>Quantitative Imaging in Medicine and Surgery</i> , 2013 , 3, 235-42	3.6	7
39	Determining elastic properties of skin by measuring surface waves from an impulse mechanical stimulus using phase-sensitive optical coherence tomography. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 831-41	4.1	153
38	Evaluating elastic properties of heterogeneous soft tissue by surface acoustic waves detected by phase-sensitive optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2012 , 17, 057002	3.5	19
37	Impact of intraocular pressure on changes of blood flow in the retina, choroid, and optic nerve head in rats investigated by optical microangiography. <i>Biomedical Optics Express</i> , 2012 , 3, 2220-33	3.5	65
36	Optical microangiography of retina and choroid and measurement of total retinal blood flow in mice. <i>Biomedical Optics Express</i> , 2012 , 3, 2976-86	3.5	32
35	Quantitative elastography provided by surface acoustic waves measured by phase-sensitive optical coherence tomography. <i>Optics Letters</i> , 2012 , 37, 722-4	3	81
34	Phase-sensitive optical coherence tomography characterization of pulse-induced trabecular meshwork displacement in ex vivo nonhuman primate eyes. <i>Journal of Biomedical Optics</i> , 2012 , 17, 076026	3.5	43
33	Label-free imaging of blood vessel morphology with capillary resolution using optical microangiography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2012 , 2, 207-12	3.6	15
32	Volumetric and quantitative imaging of retinal blood flow in rats with optical microangiography. <i>Biomedical Optics Express</i> , 2011 , 2, 579-91	3.5	63
31	Elastic properties of soft tissue-mimicking phantoms assessed by combined use of laser ultrasonics and low coherence interferometry. <i>Optics Express</i> , 2011 , 19, 10153-63	3.3	64

30	Noncontact photoacoustic imaging achieved by using a low-coherence interferometer as the acoustic detector. <i>Optics Letters</i> , 2011 , 36, 3975-7	3	76
29	Eigendecomposition-based clutter filtering technique for optical micro-angiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2011 , 58,	5	70
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