

# Zhongping Chen

## List of Publications by Year in descending order

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222  
papers

9,436  
citations

34105

52  
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46799

89  
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224  
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224  
docs citations

224  
times ranked

4830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-resolved optical coherence tomography and optical Doppler tomography for imaging blood flow in human skin with fast scanning speed and high velocity sensitivity. Optics Letters, 2000, 25, 114.	3.3	664
2	Noninvasive imaging of in vivo blood flow velocity using optical Doppler tomography. Optics Letters, 1997, 22, 1119.	3.3	564
3	Optical Doppler tomographic imaging of fluid flow velocity in highly scattering media. Optics Letters, 1997, 22, 64.	3.3	487
4	High-speed fiber-based polarization-sensitive optical coherence tomography of in vivo human skin. Optics Letters, 2000, 25, 1355.	3.3	352
5	Imaging thermally damaged tissue by Polarization Sensitive Optical Coherence Tomography. Optics Express, 1998, 3, 212.	3.4	244
6	Doppler standard deviation imaging for clinical monitoring of in vivo human skin blood flow. Optics Letters, 2000, 25, 1358.	3.3	242
7	In vivo endoscopic optical coherence tomography by use of a rotational microelectromechanical system probe. Optics Letters, 2004, 29, 1236.	3.3	191
8	Removal of a mirror image and enhancement of the signal-to-noise ratio in Fourier-domain optical coherence tomography using an electro-optic phase modulator. Optics Letters, 2005, 30, 147.	3.3	179
9	Determination of burn depth by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 207.	2.6	155
10	Optical Doppler tomography. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1134-1142.	2.9	130
11	In vivo blood flow imaging by a swept laser source based Fourier domain optical Doppler tomography. Optics Express, 2005, 13, 7449.	3.4	128
12	In Vivo Optical Coherence Tomography of the Human Larynx: Normative and Benign Pathology in 82 Patients. Laryngoscope, 2005, 115, 1904-1911.	2.0	126
13	Full range polarization-sensitive Fourier domain optical coherence tomography. Optics Express, 2004, 12, 6033.	3.4	125
14	Improved phase-resolved optical Doppler tomography using the Kasai velocity estimator and histogram segmentation. Optics Communications, 2002, 208, 209-214.	2.1	123
15	Doppler variance imaging for three-dimensional retina and choroid angiography. Journal of Biomedical Optics, 2010, 15, 016029.	2.6	121
16	Imaging and quantifying transverse flow velocity with the Doppler bandwidth in a phase-resolved functional optical coherence tomography. Optics Letters, 2002, 27, 409.	3.3	118
17	Real-time phase-resolved functional optical coherence tomography by use of optical Hilbert transformation. Optics Letters, 2002, 27, 98.	3.3	113
18	In Vivo Optical Coherence Tomography of the Human Oral Cavity and Oropharynx. JAMA Otolaryngology, 2006, 132, 1074.	1.2	107

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19	High-speed Intravascular Photoacoustic Imaging of Lipid-laden Atherosclerotic Plaque Enabled by a 2-RHz Barium Nitrite Raman Laser. <i>Scientific Reports</i> , 2014, 4, 6889.	3.3	107
20	A comparison of Doppler optical coherence tomography methods. <i>Biomedical Optics Express</i> , 2012, 3, 2669.	2.9	105
21	Real-time phase-resolved optical coherence tomography and optical Doppler tomography. <i>Optics Express</i> , 2002, 10, 236.	3.4	104
22	In vivo diagnosis of oral dysplasia and malignancy using optical coherence tomography: Preliminary studies in 50 patients. <i>Lasers in Surgery and Medicine</i> , 2009, 41, 353-357.	2.1	104
23	Signal attenuation and localization in optical coherence tomography studied by Monte Carlo simulation. <i>Physics in Medicine and Biology</i> , 1998, 43, 3025-3044.	3.0	103
24	Phase-resolved functional optical coherence tomography: simultaneous imaging of in situ tissue structure, blood flow velocity, standard deviation, birefringence, and Stokes vectors in human skin. <i>Optics Letters</i> , 2002, 27, 1702.	3.3	99
25	In vivo optical coherence tomography for the diagnosis of oral malignancy. <i>Lasers in Surgery and Medicine</i> , 2004, 35, 269-275.	2.1	93
26	Optical Coherence Tomography of Laryngeal Cancer. <i>Laryngoscope</i> , 2006, 116, 1107-1113.	2.0	93
27	Intensity-based modified Doppler variance algorithm: application to phase instable and phase stable optical coherence tomography systems. <i>Optics Express</i> , 2011, 19, 11429.	3.4	93
28	Depth-resolved birefringence and differential optical axis orientation measurements with fiber-based polarization-sensitive optical coherence tomography. <i>Optics Letters</i> , 2004, 29, 2025.	3.3	89
29	Optical Doppler Tomography: Imaging <i>in vivo</i> Blood Flow Dynamics Following Pharmacological Intervention and Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 1998, 67, 56-60.	2.5	88
30	Polarization effects in optical coherence tomography of various biological tissues. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1999, 5, 1200-1204.	2.9	88
31	Phase-resolved acoustic radiation force optical coherence elastography. <i>Journal of Biomedical Optics</i> , 2012, 17, 110505.	2.6	87
32	High-resolution imaging of microvasculature in human skin in-vivo with optical coherence tomography. <i>Optics Express</i> , 2012, 20, 7694.	3.4	80
33	Integrated intravascular optical coherence tomography ultrasound imaging system. <i>Journal of Biomedical Optics</i> , 2010, 15, 010512.	2.6	75
34	High-dynamic-range quantitative phase imaging with spectral domain phase microscopy. <i>Optics Letters</i> , 2009, 34, 3442.	3.3	73
35	Novel combined miniature optical coherence tomography ultrasound probe for in vivo intravascular imaging. <i>Journal of Biomedical Optics</i> , 2011, 16, 060505.	2.6	69
36	Frequency domain phase-resolved optical Doppler and Doppler variance tomography. <i>Optics Communications</i> , 2004, 242, 345-350.	2.1	64

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37	Optical sectioning for microfluidics: secondary flow and mixing in a meandering microchannel. Lab on A Chip, 2008, 8, 125-133.	6.0	63
38	Real-time bulk-motion-correction free Doppler variance optical coherence tomography for choroidal capillary vasculature imaging. Optics Express, 2011, 19, 3657.	3.4	63
39	Intravascular photoacoustic imaging at 35 and 80 MHz. Journal of Biomedical Optics, 2012, 17, 1060051.	2.6	63
40	High-speed upper-airway imaging using full-range optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 110507.	2.6	63
41	Integrated ultrasound and photoacoustic probe for co-registered intravascular imaging. Journal of Biomedical Optics, 2011, 16, 106001.	2.6	61
42	Quantification of a three-dimensional velocity vector using spectral-domain Doppler optical coherence tomography. Optics Letters, 2007, 32, 1587.	3.3	60
43	Developing compact multiphoton systems using femtosecond fiber lasers. Journal of Biomedical Optics, 2009, 14, 030508.	2.6	59
44	Polarization sensitive optical coherence tomography of the rabbit eye. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1159-1167.	2.9	58
45	Advances in oral cancer detection using optical coherence tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 811-817.	2.9	58
46	Determination of characteristics of degenerative joint disease using optical coherence tomography and polarization sensitive optical coherence tomography. Lasers in Surgery and Medicine, 2006, 38, 852-865.	2.1	58
47	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 288-294.	2.9	58
48	High speed intravascular photoacoustic imaging with fast optical parametric oscillator laser at 1.7 $\mu\text{m}$ . Applied Physics Letters, 2015, 107, 083701.	3.3	57
49	Resonant acoustic radiation force optical coherence elastography. Applied Physics Letters, 2013, 103, 103704.	3.3	56
50	Combined Multimodal Optical Imaging and Targeted Gene Silencing Using Stimuli-Transforming Nanotheragnostics. Journal of the American Chemical Society, 2010, 132, 8316-8324.	13.7	55
51	Imaging and characterizing shear wave and shear modulus under orthogonal acoustic radiation force excitation using OCT Doppler variance method. Optics Letters, 2015, 40, 2099.	3.3	55
52	Intravascular atherosclerotic imaging with combined fluorescence and optical coherence tomography probe based on a double-clad fiber combiner. Journal of Biomedical Optics, 2012, 17, 0705011.	2.6	54
53	Optical coherence tomography of the rat cochlea. Journal of Biomedical Optics, 2000, 5, 367.	2.6	53
54	Integrated IVUS-OCT Imaging for Atherosclerotic Plaque Characterization. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 196-203.	2.9	53

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55	In vivo Imaging of Oral Mucositis in an Animal Model Using Optical Coherence Tomography and Optical Doppler Tomography. <i>Clinical Cancer Research</i> , 2007, 13, 2449-2454.	7.0	52
56	Integrated IVUS-OCT for Real-Time Imaging of Coronary Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 101-103.	5.3	51
57	In Vivo Elasticity Mapping of Posterior Ocular Layers Using Acoustic Radiation Force Optical Coherence Elastography. , 2018, 59, 455.		50
58	Simultaneously imaging and quantifying <i>in vivo</i> mechanical properties of crystalline lens and cornea using optical coherence elastography with acoustic radiation force excitation. <i>APL Photonics</i> , 2019, 4, .	5.7	47
59	Imaging the internal structure of the rat cochlea using optical coherence tomography at 0.827 $\mu$ m and 1.3 $\mu$ m. <i>Otolaryngology - Head and Neck Surgery</i> , 2004, 130, 334-338.	1.9	46
60	Fully integrated optical coherence tomography, ultrasound, and indocyanine green-based fluorescence tri-modality system for intravascular imaging. <i>Biomedical Optics Express</i> , 2017, 8, 1036.	2.9	46
61	High resolution optical coherence elastography of retina under prosthetic electrode. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 11, 918-927.	2.0	46
62	Imaging of the Pediatric Airway Using Optical Coherence Tomography. <i>Laryngoscope</i> , 2007, 117, 2206-2212.	2.0	45
63	Multiphoton microscopy system with a compact fiber-based femtosecond-pulse laser and handheld probe. <i>Journal of Biophotonics</i> , 2011, 4, 34-39.	2.3	43
64	Ultrafast optical-ultrasonic system and miniaturized catheter for imaging and characterizing atherosclerotic plaques in vivo. <i>Scientific Reports</i> , 2015, 5, 18406.	3.3	43
65	High-speed intravascular photoacoustic imaging at 17 $\mu$ m with a KTP-based OPO. <i>Biomedical Optics Express</i> , 2015, 6, 4557.	2.9	41
66	3D mapping of elastic modulus using shear wave optical micro-elastography. <i>Scientific Reports</i> , 2016, 6, 35499.	3.3	41
67	Intravascular Optical Coherence Tomography for Characterization of Atherosclerosis with a 1.7 Micron Swept-Source Laser. <i>Scientific Reports</i> , 2017, 7, 14525.	3.3	40
68	Confocal acoustic radiation force optical coherence elastography using a ring ultrasonic transducer. <i>Applied Physics Letters</i> , 2014, 104, 123702.	3.3	39
69	Quantified elasticity mapping of retinal layers using synchronized acoustic radiation force optical coherence elastography. <i>Biomedical Optics Express</i> , 2018, 9, 4054.	2.9	39
70	Optical Coherence Tomography of the Cochlea in the Porcine Model. <i>Laryngoscope</i> , 2008, 118, 1449-1451.	2.0	38
71	Optical Coherence Tomography-Enhanced Microlaryngoscopy: Preliminary Report of a Noncontact Optical Coherence Tomography System Integrated with a Surgical Microscope. <i>Annals of Otolaryngology and Rhinology</i> , 2008, 117, 538-547.	1.1	34
72	Speckle reduction in optical coherence tomography images based on wave atoms. <i>Journal of Biomedical Optics</i> , 2014, 19, 056009.	2.6	34

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73	Determination of birefringence and absolute optic axis orientation using polarization-sensitive optical coherence tomography with PM fibers. <i>Optics Express</i> , 2003, 11, 3262.	3.4	33
74	In vivo, high-resolution, three-dimensional imaging of port wine stain microvasculature in human skin. <i>Lasers in Surgery and Medicine</i> , 2013, 45, 628-632.	2.1	33
75	Longitudinal shear wave imaging for elasticity mapping using optical coherence elastography. <i>Applied Physics Letters</i> , 2017, 110, 201101.	3.3	33
76	Use of polarization-sensitive optical coherence tomography to determine the directional polarization sensitivity of articular cartilage and meniscus. <i>Journal of Biomedical Optics</i> , 2006, 11, 064001.	2.6	32
77	PMN-PT/Epoxy 1-3 composite based ultrasonic transducer for dual-modality photoacoustic and ultrasound endoscopy. <i>Photoacoustics</i> , 2019, 15, 100138.	7.8	32
78	Three-dimensional optical coherence tomography employing a 2-axis microelectromechanical scanning mirror. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 806-810.	2.9	31
79	Spectral Doppler optical coherence tomography imaging of localized ischemic stroke in a mouse model. <i>Journal of Biomedical Optics</i> , 2010, 15, 066006.	2.6	31
80	Optical imaging in an Alzheimer's mouse model reveals amyloid- $\beta$ -dependent vascular impairment. <i>Neurophotonics</i> , 2014, 1, 011005.	3.3	31
81	Intra-operative point-of-procedure delineation of oral cancer margins using optical coherence tomography. <i>Oral Oncology</i> , 2019, 92, 12-19.	1.5	31
82	Long-range Fourier domain optical coherence tomography of the pediatric subglottis. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2015, 79, 119-126.	1.0	30
83	Coaxial excitation longitudinal shear wave measurement for quantitative elasticity assessment using phase-resolved optical coherence elastography. <i>Optics Letters</i> , 2018, 43, 2388.	3.3	30
84	Ultrahigh-sensitive optical coherence elastography. <i>Light: Science and Applications</i> , 2020, 9, 58.	16.6	30
85	Quantification of airway thickness changes in smoke-inhalation injury using in-vivo 3-D endoscopic frequency-domain optical coherence tomography. <i>Biomedical Optics Express</i> , 2011, 2, 243.	2.9	29
86	Dynamic and quantitative assessment of blood coagulation using optical coherence elastography. <i>Scientific Reports</i> , 2016, 6, 24294.	3.3	29
87	Visualization and Detection of Ciliary Beating Pattern and Frequency in the Upper Airway using Phase Resolved Doppler Optical Coherence Tomography. <i>Scientific Reports</i> , 2017, 7, 8522.	3.3	29
88	Miniature probe for mapping mechanical properties of vascular lesions using acoustic radiation force optical coherence elastography. <i>Scientific Reports</i> , 2017, 7, 4731.	3.3	29
89	Optical Coherence Tomography as an Oral Cancer Screening Adjunct in a Low Resource Settings. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-8.	2.9	29
90	In-vivo 3D corneal elasticity using air-coupled ultrasound optical coherence elastography. <i>Biomedical Optics Express</i> , 2019, 10, 6272.	2.9	29

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91	Long-Range Optical Coherence Tomography of the Neonatal Upper Airway for Early Diagnosis of Intubation-related Subglottic Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1504-1513.	5.6	28
92	Roadmap on neurophotonics. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 093007.	2.2	28
93	Q-switched Erbium-doped fiber laser at 1600nm for photoacoustic imaging application. <i>Applied Physics Letters</i> , 2016, 108, 143701.	3.3	28
94	In vivo optical coherence tomography detection of differences in regional large airway smoke inhalation induced injury in a rabbit model. <i>Journal of Biomedical Optics</i> , 2008, 13, 034001.	2.6	26
95	Confocal Shear Wave Acoustic Radiation Force Optical Coherence Elastography for Imaging and Quantification of the <i>In Vivo</i> Posterior Eye. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	2.9	26
96	Multimodal endoscopy for colorectal cancer detection by optical coherence tomography and near-infrared fluorescence imaging. <i>Biomedical Optics Express</i> , 2019, 10, 2419.	2.9	26
97	In vivo early detection of smoke-induced airway injury using three-dimensional swept-source optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2009, 14, 060503.	2.6	25
98	Multimodality approach to optical early detection and mapping of oral neoplasia. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	2.6	25
99	In vivo imaging of retinal hemodynamics with OCT angiography and Doppler OCT. <i>Biomedical Optics Express</i> , 2016, 7, 663.	2.9	25
100	Multimodal intravascular photoacoustic and ultrasound imaging. <i>Biomedical Engineering Letters</i> , 2018, 8, 193-201.	4.1	25
101	Acoustic radiation force optical coherence elastography for elasticity assessment of soft tissues. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 457-481.	6.7	25
102	Advances in Doppler optical coherence tomography and angiography. <i>Translational Biophotonics</i> , 2019, 1, e201900005.	2.7	25
103	In vivo cross-sectional imaging of the phonating larynx using long-range Doppler optical coherence tomography. <i>Scientific Reports</i> , 2016, 6, 22792.	3.3	24
104	High-Speed Integrated Endoscopic Photoacoustic and Ultrasound Imaging System. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-5.	2.9	24
105	Fully distributed absolute blood flow velocity measurement for middle cerebral arteries using Doppler optical coherence tomography. <i>Biomedical Optics Express</i> , 2016, 7, 601.	2.9	23
106	Anatomically correct visualization of the human upper airway using a high-speed long range optical coherence tomography system with an integrated positioning sensor. <i>Scientific Reports</i> , 2016, 6, 39443.	3.3	23
107	An adjustable multi-scale single beam acoustic tweezers based on ultrahigh frequency ultrasonic transducer. <i>Biotechnology and Bioengineering</i> , 2017, 114, 2637-2647.	3.3	23
108	Multimodality endoscopic optical coherence tomography and fluorescence imaging technology for visualization of layered architecture and subsurface microvasculature. <i>Optics Letters</i> , 2018, 43, 2074.	3.3	23

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109	Microvascular photodynamic effects determined in vivo using optical Doppler tomography. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1168-1175.	2.9	22
110	In vivo microvascular network imaging of the human retina combined with an automatic three-dimensional segmentation method. Journal of Biomedical Optics, 2015, 20, 1.	2.6	22
111	Topographical variations in the polarization sensitivity of articular cartilage as determined by polarization-sensitive optical coherence tomography and polarized light microscopy. Journal of Biomedical Optics, 2008, 13, 054034.	2.6	21
112	Fiber-based combined optical coherence and multiphoton endomicroscopy. Journal of Biomedical Optics, 2011, 16, 036010.	2.6	21
113	Phase-stability optimization of swept-source optical coherence tomography. Biomedical Optics Express, 2018, 9, 5280.	2.9	20
114	Advances in Doppler OCT. Chinese Optics Letters, 2013, 11, 011702-11712.	2.9	20
115	Visualization and measurement of capillary-driven blood flow using spectral domain optical coherence tomography. Microfluidics and Nanofluidics, 2012, 13, 227-237.	2.2	19
116	Stimuli-disassembling gold nanoclusters for diagnosis of early stage oral cancer by optical coherence tomography. Nano Convergence, 2018, 5, 3.	12.1	19
117	Advances in Endoscopic Photoacoustic Imaging. Photonics, 2021, 8, 281.	2.0	19
118	Velocity Variation Assessment of Red Blood Cell Aggregation with Spectral Domain Doppler Optical Coherence Tomography. Annals of Biomedical Engineering, 2010, 38, 3210-3217.	2.5	18
119	Investigating in vivo airway wall mechanics during tidal breathing with optical coherence tomography. Journal of Biomedical Optics, 2011, 16, 1.	2.6	18
120	Automatic airway wall segmentation and thickness measurement for long-range optical coherence tomography images. Optics Express, 2015, 23, 33992.	3.4	18
121	Lens-free endoscopy probe for optical coherence tomography. Optics Letters, 2013, 38, 2014.	3.3	17
122	Real-Time Subglottic Stenosis Imaging Using Optical Coherence Tomography in the Rabbit. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 502.	2.2	17
123	Intraoperative long range optical coherence tomography as a novel method of imaging the pediatric upper airway before and after adenotonsillectomy. International Journal of Pediatric Otorhinolaryngology, 2015, 79, 63-70.	1.0	17
124	<i>In vivo</i> evaluation of posterior eye elasticity using shaker-based optical coherence elastography. Experimental Biology and Medicine, 2020, 245, 282-288.	2.4	17
125	In vivo detection of inhalation injury in large airway using three-dimensional long-range swept-source optical coherence tomography. Journal of Biomedical Optics, 2014, 19, 036018.	2.6	16
126	The Role of Laser Speckle Imaging in Port-Wine Stain Research: Recent Advances and Opportunities. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 307-318.	2.9	16



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127	Perspective: Current challenges and solutions of Doppler optical coherence tomography and angiography for neuroimaging. <i>APL Photonics</i> , 2018, 3, .	5.7	16
128	1.7 micron optical coherence tomography for vaginal tissue characterization in vivo. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 120-126.	2.1	16
129	Quantitative confocal optical coherence elastography for evaluating biomechanics of optic nerve head using Lamb wave model. <i>Neurophotonics</i> , 2019, 6, 1.	3.3	16
130	Turbid two-phase slug flow in a microtube: Simultaneous visualization of structure and velocity field. <i>Applied Physics Letters</i> , 2006, 89, 064109.	3.3	15
131	Multimodal photoacoustic imaging: systems, applications, and agents. <i>Biomedical Engineering Letters</i> , 2018, 8, 137-138.	4.1	15
132	Three-dimensional non-destructive optical evaluation of laser-processing performance using optical coherence tomography. <i>Optics and Laser Technology</i> , 2008, 40, 625-631.	4.6	14
133	Deep imaging in highly scattering media by combining reflection matrix measurement with Bessel-like beam based optical coherence tomography. <i>Applied Physics Letters</i> , 2018, 113, 011106.	3.3	14
134	The use of optical coherence tomography and convolutional neural networks to distinguish normal and abnormal oral mucosa. <i>Journal of Biophotonics</i> , 2020, 13, e201900221.	2.3	14
135	Enhance the delivery of light energy ultra-deep into turbid medium by controlling multiple scattering photons to travel in open channels. <i>Light: Science and Applications</i> , 2022, 11, 108.	16.6	14
136	Quantitative Evaluation of Adult Subglottic Stenosis Using Intraoperative Long-range Optical Coherence Tomography. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2016, 125, 815-822.	1.1	13
137	Association of Electrochemical Therapy With Optical, Mechanical, and Acoustic Impedance Properties of Porcine Skin. <i>JAMA Facial Plastic Surgery</i> , 2017, 19, 502-509.	2.1	13
138	Multimodal intravascular imaging technology for characterization of atherosclerosis. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	1.0	13
139	Uniform spacing interrogation of a Fourier domain mode-locked fiber Bragg grating sensor system using a polarization-maintaining fiber Sagnac interferometer. <i>Measurement Science and Technology</i> , 2013, 24, 065101.	2.6	12
140	Measurement of ciliary beat frequency using Doppler optical coherence tomography. <i>International Forum of Allergy and Rhinology</i> , 2015, 5, 1048-1054.	2.8	12
141	Characterization of oviduct ciliary beat frequency using real time phase resolved Doppler spectrally encoded interferometric microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 5650.	2.9	12
142	2-D Ultrasonic Array-Based Optical Coherence Elastography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1096-1104.	3.0	11
143	Preliminary investigation on use of high-resolution optical coherence tomography to monitor injury and repair in the rat sciatic nerve. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 306-312.	2.1	10
144	Optimal flushing agents for integrated optical and acoustic imaging systems. <i>Journal of Biomedical Optics</i> , 2015, 20, 056005.	2.6	10

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145	Quantitative angle-insensitive flow measurement using relative standard deviation OCT. Applied Physics Letters, 2017, 111, 181101.	3.3	10
146	Characterization of spectral-domain OCT with autocorrelation interference response for axial resolution performance. Optics Express, 2018, 26, 7253.	3.4	10
147	Raman spectroscopy for the discrimination and quantification of fuel blends. Journal of Raman Spectroscopy, 2019, 50, 1008-1014.	2.5	10
148	Automatic three-dimensional segmentation of endoscopic airway OCT images. Biomedical Optics Express, 2019, 10, 642.	2.9	10
149	360° rotating micro mirror for transmitting and sensing optical coherence tomography signals. , 0, , .		8
150	Pediatric Sleep-Related Breathing Disorders: Advances in imaging and computational modeling.. IEEE Pulse, 2014, 5, 33-39.	0.3	8
151	Visualizing biofilm formation in endotracheal tubes using endoscopic three-dimensional optical coherence tomography. Journal of Biomedical Optics, 2015, 20, 126010.	2.6	8
152	Doppler Optical Coherence Tomography. , 2015, , 1289-1320.		8
153	Imaging of the internal nasal valve using long-range Fourier domain optical coherence tomography. Laryngoscope, 2016, 126, E97-E102.	2.0	8
154	Diagnosis of subglottic stenosis in a rabbit model using long-range optical coherence tomography. Laryngoscope, 2017, 127, 64-69.	2.0	8
155	In vivo imaging of the internal nasal valve during different conditions using optical coherence tomography. Laryngoscope, 2018, 128, E105-E110.	2.0	8
156	Automated 3D segmentation of methyl isocyanate-exposed rat trachea using an ultra-thin, fully fiber optic optical coherence endoscopic probe. Scientific Reports, 2018, 8, 8713.	3.3	8
157	Viscosity Monitoring During Hemodiluted Blood Coagulation Using Optical Coherence Elastography. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	8
158	Optical Vaginal Biopsy Using Optical Coherence Tomography. Female Pelvic Medicine and Reconstructive Surgery, 2020, 26, 155-158.	1.1	8
159	1.7-Micron Optical Coherence Tomography Angiography for Characterization of Skin Lesions—A Feasibility Study. IEEE Transactions on Medical Imaging, 2021, 40, 2507-2512.	8.9	8
160	Dynamic programming and automated segmentation of optical coherence tomography images of the neonatal subglottis: enabling efficient diagnostics to manage subglottic stenosis. Journal of Biomedical Optics, 2019, 24, 1.	2.6	8
161	Extended imaging depth of en-face optical coherence tomography based on fast measurement of a reflection matrix by wide-field heterodyne detection. Optics Letters, 2020, 45, 828.	3.3	8
162	Feasibility of Doppler variance imaging for red blood cell aggregation characterization. Journal of Biomedical Optics, 2009, 14, 060507.	2.6	7

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163	Optical coherence tomography of the larynx using the Niris system. Journal of Otolaryngology - Head and Neck Surgery, 2010, 39, 150-6.	1.9	7
164	Intravascular polarization-sensitive optical coherence tomography based on polarization mode delay. Scientific Reports, 2022, 12, 6831.	3.3	7
165	Surface kinematic and depth-resolved analysis of human vocal folds in vivo during phonation using optical coherence tomography. Journal of Biomedical Optics, 2021, 26, .	2.6	6
166	Optical Doppler Tomography: Imaging in vivo Blood Flow Dynamics Following Pharmacological Intervention and Photodynamic Therapy. Photochemistry and Photobiology, 1998, 67, 56.	2.5	6
167	Re: Spaide etÂal.: Volume-rendering opticalÂcoherence tomography angiography of macular telangiectasia type 2 (Ophthalmology 2015;122:2261-9). Ophthalmology, 2016, 123, e24.	5.2	5
168	Thickness measurement and three-dimensional structure imaging of oil slick on water by optical coherence tomography. Optik, 2019, 180, 1036-1042.	2.9	5
169	Spatial Mapping of Tracheal Ciliary Beat Frequency Using Real Time Phase-Resolved Doppler Spectrally Encoded Interferometric Microscopy. ACS Photonics, 2020, 7, 128-134.	6.6	5
170	Fiber-based polarization-sensitive optical coherence tomography of a minimalistic system configuration. Optics Letters, 2019, 44, 3150.	3.3	5
171	Determination of the depth resolved Stokes parameters of light backscattered from turbid media using polarization sensitive optical coherence tomography. , 0, , .		4
172	Mechanical analysis of arterial plaques in native geometry with OCT wall motion analysis. Journal of Biomechanics, 2014, 47, 755-758.	2.1	4
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