Zhongping Chen

List of Publications by Year
in descending order

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222 papers	9,436 citations	34105 52 h-index	46799 89 g-index
224 all docs	224 docs citations	224 times ranked	4830 citing authors

#	Article	IF	Citations
1	Potential-Driven Electrochemical Clearing of Ex Vivo Alkaline Corneal Injuries. Translational Vision Science and Technology, 2022, 11, 32.	2.2	1
2	Validation of spectrally encoded interferometric microscopy (SEIM) in finding ciliary beat frequency of human ex vivo upper airway tissue. , 2022, , .		0
3	Enhance the delivery of light energy ultra-deep into turbid medium by controlling multiple scattering photons to travel in open channels. Light: Science and Applications, 2022, 11, 108.	16.6	14
4	Intravascular polarization-sensitive optical coherence tomography based on polarization mode delay. Scientific Reports, 2022, 12, 6831.	3.3	7
5	Coupling Pressure Sensing with Optical Coherence Tomography to Evaluate the Internal Nasal Valve. Annals of Otology, Rhinology and Laryngology, 2021, 130, 167-172.	1.1	1
6	High-speed wavefront determination method based on single in-and-out electric field analysis to focus light through highly scattering medium. APL Photonics, 2021, 6, .	5.7	2
7	Graph-based rotational nonuniformity correction for localized compliance measurement in the human nasopharynx. Biomedical Optics Express, 2021, 12, 2508.	2.9	4
8	2-D Ultrasonic Array-Based Optical Coherence Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1096-1104.	3.0	11
9	Integrated pulse scope for tunable generation and intrinsic characterization of structured femtosecond laser. Scientific Reports, 2021, 11, 9670.	3.3	2
10	Advances in Endoscopic Photoacoustic Imaging. Photonics, 2021, 8, 281.	2.0	19
11	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
12	1.7-Micron Optical Coherence Tomography Angiography for Characterization of Skin Lesionsâ€“A Feasibility Study. IEEE Transactions on Medical Imaging, 2021, 40, 2507-2512.	8.9	8
13	In vivo evaluation of posterior eye elasticity using shaker-based optical coherence elastography. Experimental Biology and Medicine, 2020, 245, 282-288.	2.4	17
14	The use of optical coherence tomography and convolutional neural networks to distinguish normal and abnormal oral mucosa. Journal of Biophotonics, 2020, 13, e201900221.	2.3	14
15	Monitoring Response to Platelet-Rich Plasma in Patients with Alopecia Areata with Optical Coherence Tomography: AÂCase Series. Journal of Investigative Dermatology Symposium Proceedings, 2020, 20, S50-S54.	0.8	2
16	Multimodal intravascular imaging technology for characterization of atherosclerosis. Journal of Innovative Optical Health Sciences, 2020, 13, .	1.0	13
17	Optical Vaginal Biopsy Using Optical Coherence Tomography. Female Pelvic Medicine and Reconstructive Surgery, 2020, 26, 155-158.	1.1	8
18	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

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19	Ultrahigh-sensitive optical coherence elastography. Light: Science and Applications, 2020, 9, 58.	16.6	30
20	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
21	Acoustic Radiation Force Optical Coherence Elastography. , 2020, , 207-226.		0
22	Introduction to Multimodality Intravascular Imaging. , 2020, , 1-9.		2
23	The Integration of IVUS and OCT. , 2020, , 57-79.		1
24	Intravascular Dual-Modality Imaging (NIRF/IVUS, NIRS/IVUS, IVOCT/NIRF, and IVOCT/NIRS). , 2020, , 173-189.		0
25	High resolution optical coherence elastography of retina under prosthetic electrode. Quantitative Imaging in Medicine and Surgery, 2020, 11, 918-927.	2.0	46
26	Assessment of toxin-induced airway injury and therapeutic effects in a rat model by optical coherence tomography. , 2020, , .		0
27	Ultrasound in the Management of Glaucoma. Essentials in Ophthalmology, 2020, , 71-81.	0.1	0
28	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
29	Confocal Shear Wave Acoustic Radiation Force Optical Coherence Elastography for Imaging and Quantification of the In Vivo Posterior Eye. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	26
30	1.7 micron optical coherence tomography for vaginal tissue characterization in vivo. Lasers in Surgery and Medicine, 2019, 51, 120-126.	2.1	16
31	Acoustic radiation force optical coherence elastography for elasticity assessment of soft tissues. Applied Spectroscopy Reviews, 2019, 54, 457-481.	6.7	25
32	PMN-PT/Epoxy 1-3 composite based ultrasonic transducer for dual-modality photoacoustic and ultrasound endoscopy. Photoacoustics, 2019, 15, 100138.	7.8	32
33	Functional endoscopy techniques for tracking stem cell fate. Quantitative Imaging in Medicine and Surgery, 2019, 9, 510-520.	2.0	3
34	The effect of melanin on in vivo optical coherence tomography of the skin in a multiethnic cohort. Lasers in Surgery and Medicine, 2019, 51, 407-411.	2.1	4
35	Intra-operative point-of-procedure delineation of oral cancer margins using optical coherence tomography. Oral Oncology, 2019, 92, 12-19.	1.5	31
36	Raman spectroscopy for the discrimination and quantification of fuel blends. Journal of Raman Spectroscopy, 2019, 50, 1008-1014.	2.5	10

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37	Advances in Doppler optical coherence tomography and angiography. Translational Biophotonics, 2019, 1, e201900005.	2.7	25
38	Simultaneously imaging and quantifying in vivo mechanical properties of crystalline lens and cornea using optical coherence elastography with acoustic radiation force excitation. APL Photonics, 2019, 4, .	5.7	47
39	Automatic proximal airway volume segmentation using optical coherence tomography for assessment of inhalation injury. Journal of Trauma and Acute Care Surgery, 2019, 87, S132-S137.	2.1	1
40	High-Speed Integrated Endoscopic Photoacoustic and Ultrasound Imaging System. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-5.	2.9	24
41	Optical Coherence Tomography as an Oral Cancer Screening Adjunct in a Low Resource Settings. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	29
42	Thickness measurement and three-dimensional structure imaging of oil slick on water by optical coherence tomography. Optik, 2019, 180, 1036-1042.	2.9	5
43	Computational analysis of six optical coherence tomography systems for vocal fold imaging: A comparison study. Lasers in Surgery and Medicine, 2019, 51, 412-422.	2.1	1
44	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
45	Quantitative confocal optical coherence elastography for evaluating biomechanics of optic nerve head using Lamb wave model. Neurophotonics, 2019, 6, 1.	3.3	16
46	Automatic three-dimensional segmentation of endoscopic airway OCT images. Biomedical Optics Express, 2019, 10, 642.	2.9	10
47	Multimodal endoscopy for colorectal cancer detection by optical coherence tomography and near-infrared fluorescence imaging. Biomedical Optics Express, 2019, 10, 2419.	2.9	26
48	Characterization of oviduct ciliary beat frequency using real time phase resolved Doppler spectrally encoded interferometric microscopy. Biomedical Optics Express, 2019, 10, 5650.	2.9	12
49	In-vivo 3D corneal elasticity using air-coupled ultrasound optical coherence elastography. Biomedical Optics Express, 2019, 10, 6272.	2.9	29
50	Multimodality endoscopic imaging technology for visualization of layered architecture and vasculature. , 2019, , .		0
51	Fiber-based polarization-sensitive optical coherence tomography of a minimalistic system configuration. Optics Letters, 2019, 44, 3150.	3.3	5
52	10.1063/1.5118258.1. , 2019, , .		0
53	10.1063/1.5118258.2. , 2019, , .		0
54	Endoscopic Optical Coherence Tomography for Assessing Inhalation Airway Injury: A Technical Review. Otolaryngology (Sunnyvale, Calif), 2019, 9, .	0.0	1

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55	Multimodal intravascular photoacoustic and ultrasound imaging. Biomedical Engineering Letters, 2018, 8, 193-201.	4.1	25
56	In vivo imaging of the internal nasal valve during different conditions using optical coherence tomography. Laryngoscope, 2018, 128, E105-E110.	2.0	8
57	Perspective: Current challenges and solutions of Doppler optical coherence tomography and angiography for neuroimaging. APL Photonics, 2018, 3, .	5.7	16
58	Quantified elasticity mapping of retinal layers using synchronized acoustic radiation force optical coherence elastography. Biomedical Optics Express, 2018, 9, 4054.	2.9	39
59	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
60	Characterization of spectral-domain OCT with autocorrelation interference response for axial resolution performance. Optics Express, 2018, 26, 7253.	3.4	10
61	Multimodality endoscopic optical coherence tomography and fluorescence imaging technology for visualization of layered architecture and subsurface microvasculature. Optics Letters, 2018, 43, 2074.	3.3	23
62	Deep imaging in highly scattering media by combining reflection matrix measurement with Bessel-like beam based optical coherence tomography. Applied Physics Letters, 2018, 113, 011106.	3.3	14
63	Stimuli-disassembling gold nanoclusters for diagnosis of early stage oral cancer by optical coherence tomography. Nano Convergence, 2018, 5, 3.	12.1	19
64	Multimodal photoacoustic imaging: systems, applications, and agents. Biomedical Engineering Letters, 2018, 8, 137-138.	4.1	15
65	In Vivo Elasticity Mapping of Posterior Ocular Layers Using Acoustic Radiation Force Optical Coherence Elastography. , 2018, 59, 455.		50
66	Coaxial excitation longitudinal shear wave measurement for quantitative elasticity assessment using phase-resolved optical coherence elastography. Optics Letters, 2018, 43, 2388.	3.3	30
67	Phase-stability optimization of swept-source optical coherence tomography. Biomedical Optics Express, 2018, 9, 5280.	2.9	20
68	Longitudinal shear wave imaging for elasticity mapping using optical coherence elastography. Applied Physics Letters, 2017, 110, 201101.	3.3	33
69	Quantitative angle-insensitive flow measurement using relative standard deviation OCT. Applied Physics Letters, 2017, 111, 181101.	3.3	10
70	Visualization and Detection of Ciliary Beating Pattern and Frequency in the Upper Airway using Phase Resolved Doppler Optical Coherence Tomography. Scientific Reports, 2017, 7, 8522.	3.3	29
71	Intravascular Optical Coherence Tomography for Characterization of Atherosclerosis with a 1.7 Micron Swept-Source Laser. Scientific Reports, 2017, 7, 14525.	3.3	40
72	Miniature probe for mapping mechanical properties of vascular lesions using acoustic radiation force optical coherence elastography. Scientific Reports, 2017, 7, 4731.	3.3	29

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73	Association of Electrochemical Therapy With Optical, Mechanical, and Acoustic Impedance Properties of Porcine Skin. JAMA Facial Plastic Surgery, 2017, 19, 502-509.	2.1	13
74	An adjustable multiâ€scale single beam acoustic tweezers based on ultrahigh frequency ultrasonic transducer. Biotechnology and Bioengineering, 2017, 114, 2637-2647.	3.3	23
75	Diagnosis of subglottic stenosis in a rabbit model using long-range optical coherence tomography. Laryngoscope, 2017, 127, 64-69.	2.0	8
76	Fully integrated optical coherence tomography, ultrasound, and indocyanine green-based fluorescence tri-modality system for intravascular imaging. Biomedical Optics Express, 2017, 8, 1036.	2.9	46
77	Doppler Optical Coherence Tomography and Its Application in Measurement of Cerebral Blood Flow. , 2017, , 159-176.		4
78	Fully distributed absolute blood flow velocity measurement for middle cerebral arteries using Doppler optical coherence tomography. Biomedical Optics Express, 2016, 7, 601.	2.9	23
79	Imaging of the internal nasal valve using longâ€range <scp>F</scp>ourier domain optical coherence tomography. Laryngoscope, 2016, 126, E97-E102.	2.0	8
80	In vivo cross-sectional imaging of the phonating larynx using long-range Doppler optical coherence tomography. Scientific Reports, 2016, 6, 22792.	3.3	24
81	Anatomically correct visualization of the human upper airway using a high-speed long range optical coherence tomography system with an integrated positioning sensor. Scientific Reports, 2016, 6, 39443.	3.3	23
82	Roadmap on neurophotonics. Journal of Optics (United Kingdom), 2016, 18, 093007.	2.2	28
83	Q-switched Erbium-doped fiber laser at 1600â€‰nm for photoacoustic imaging application. Applied Physics Letters, 2016, 108, 143701.	3.3	28
84	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
85	Quantitative Evaluation of Adult Subglottic Stenosis Using Intraoperative Long-range Optical Coherence Tomography. Annals of Otology, Rhinology and Laryngology, 2016, 125, 815-822.	1.1	13
86	Dynamic and quantitative assessment of blood coagulation using optical coherence elastography. Scientific Reports, 2016, 6, 24294.	3.3	29
87	3D mapping of elastic modulus using shear wave optical micro-elastography. Scientific Reports, 2016, 6, 35499.	3.3	41
88	Acoustic Radiation Force Optical Coherence Elastography of Corneal Tissue. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 288-294.	2.9	58
89	Imaging shear wave propagation for elastic measurement using OCT Doppler variance method. Proceedings of SPIE, 2016, , .	0.8	2
90	Automatic airway wall segmentation and thickness measurement for long-range optical coherence tomography images. , 2016, , .		0

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91	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
92	In vivo imaging of retinal hemodynamics with OCT angiography and Doppler OCT. Biomedical Optics Express, 2016, 7, 663.	2.9	25
93	Automatic airway wall segmentation and thickness measurement for long-range optical coherence tomography images. Optics Express, 2015, 23, 33992.	3.4	18
94	High-speed intravascular photoacoustic imaging at 17 Î¼m with a KTP-based OPO. Biomedical Optics Express, 2015, 6, 4557.	2.9	41
95	Ultrafast optical-ultrasonic system and miniaturized catheter for imaging and characterizing atherosclerotic plaques in vivo. Scientific Reports, 2015, 5, 18406.	3.3	43
96	High speed intravascular photoacoustic imaging with fast optical parametric oscillator laser at 1.7â€‰Î¼m. Applied Physics Letters, 2015, 107, 083701.	3.3	57
97	Measurement of ciliary beat frequency using Doppler optical coherence tomography. International Forum of Allergy and Rhinology, 2015, 5, 1048-1054.	2.8	12
98	Spatiotemporal correlation of optical coherence tomographyin-vivoimages of rabbit airway for the diagnosis of edema. Journal of Biomedical Optics, 2015, 20, 076015.	2.6	1
99	Visualizing biofilm formation in endotracheal tubes using endoscopic three-dimensional optical coherence tomography. Journal of Biomedical Optics, 2015, 20, 126010.	2.6	8
100	Long-range Fourier domain optical coherence tomography of the pediatric subglottis. International Journal of Pediatric Otorhinolaryngology, 2015, 79, 119-126.	1.0	30
101	Doppler Optical Coherence Tomography. , 2015, , 1289-1320.		8
102	Long-Range Optical Coherence Tomography of the Neonatal Upper Airway for Early Diagnosis of Intubation-related Subglottic Injury. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1504-1513.	5.6	28
103	Optimal flushing agents for integrated optical and acoustic imaging systems. Journal of Biomedical Optics, 2015, 20, 056005.	2.6	10
104	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
105	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
106	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
107	Second Harmonic OCT and Combined MPM/OCT. , 2015, , 1489-1514.		0
108	Integrated intravascular ultrasound and optical coherence tomography technology: a promising tool to identify vulnerable plaques [INVITED PAPER]. Journal of Biomedical Photonics and Engineering, 2015, 1, 209-224.	0.7	2

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109	Constructing 3D models of the pediatric upper airway from long range optical coherence tomography images. , 2014, , .		3
110	Optical imaging in an Alzheimerâ€™s mouse model reveals amyloid-Î²-dependent vascular impairment. Neurophotonics, 2014, 1, 011005.	3.3	31
111	Temporal correlation of optical coherence tomography in-vivo images of rabbit airway for the diagnosis of edema. Proceedings of SPIE, 2014, , .	0.8	1
112	Analysis and digital 3D modeling of long-range fourier-domain optical coherence tomography images of the pediatric subglottis. Proceedings of SPIE, 2014, , .	0.8	2
113	Confocal acoustic radiation force optical coherence elastography using a ring ultrasonic transducer. Applied Physics Letters, 2014, 104, 123702.	3.3	39
114	Speckle reduction in optical coherence tomography images based on wave atoms. Journal of Biomedical Optics, 2014, 19, 056009.	2.6	34
115	In vivodetection 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
116	Pediatric Sleep-Related Breathing Disorders: Advances in imaging and computational modeling.. IEEE Pulse, 2014, 5, 33-39.	0.3	8
117	Integrated IVUS-OCT Imaging for Atherosclerotic Plaque Characterization. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 196-203.	2.9	53
118	Integrated IVUS-OCT for Real-Time Imaging of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2014, 7, 101-103.	5.3	51
119	Mechanical analysis of arterial plaques in native geometry with OCT wall motion analysis. Journal of Biomechanics, 2014, 47, 755-758.	2.1	4
120	High-speed Intravascular Photoacoustic Imaging of Lipid-laden Atherosclerotic Plaque Enabled by a 2-kHz Barium Nitrite Raman Laser. Scientific Reports, 2014, 4, 6889.	3.3	107
121	Optical Coherence Tomography and Optical Doppler Tomography. , 2014, , 1-7.		0
122	Optoacoustic elastography for tissue biomechanical property characterization using a ring transducer. , 2013, , .		0
123	Doppler Optical Coherence Tomography. , 2013, , 889-922.		0
124	Uniform spacing interrogation of a Fourier domain mode-locked fiber Bragg grating sensor system using a polarization-maintaining fiber Sagnac interferometer. Measurement Science and Technology, 2013, 24, 065101.	2.6	12
125	Lens-free endoscopy probe for optical coherence tomography. Optics Letters, 2013, 38, 2014.	3.3	17
126	Real-Time Subglottic Stenosis Imaging Using Optical Coherence Tomography in the Rabbit. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 502.	2.2	17

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127	In vivo, highâ€resolution, threeâ€dimensional imaging of port wine stain microvasculature in human skin. Lasers in Surgery and Medicine, 2013, 45, 628-632.	2.1	33
128	Resonant acoustic radiation force optical coherence elastography. Applied Physics Letters, 2013, 103, 103704.	3.3	56
129	Real-time co-registered IVUS-OCT catheter for atherosclerotic plaque identification. , 2013, , .		2
130	Advances in Doppler OCT. Chinese Optics Letters, 2013, 11, 011702-11712.	2.9	20
131	Intravascular photoacoustic imaging at 35 and 80ÂMHz. Journal of Biomedical Optics, 2012, 17, 1060051.	2.6	63
132	A comparison of Doppler optical coherence tomography methods. Biomedical Optics Express, 2012, 3, 2669.	2.9	105
133	High-resolution imaging of microvasculature in human skin in-vivo with optical coherence tomography. Optics Express, 2012, 20, 7694.	3.4	80
134	Integrated IVUS-OCT catheter for in vivo intravascular imaging. , 2012, , .		1
135	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
136	High-speed upper-airway imaging using full-range optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 110507.	2.6	63
137	Phase-resolved acoustic radiation force optical coherence elastography. Journal of Biomedical Optics, 2012, 17, 110505.	2.6	87
138	Visualization and measurement of capillary-driven blood flow using spectral domain optical coherence tomography. Microfluidics and Nanofluidics, 2012, 13, 227-237.	2.2	19
139	Quantification of airway thickness changes in smoke-inhalation injury using in-vivo 3-D endoscopic frequency-domain optical coherence tomography. Biomedical Optics Express, 2011, 2, 243.	2.9	29
140	Real-time bulk-motion-correction free Doppler variance optical coherence tomography for choroidal capillary vasculature imaging. Optics Express, 2011, 19, 3657.	3.4	63
141	Intensity-based modified Doppler variance algorithm: application to phase instable and phase stable optical coherence tomography systems. Optics Express, 2011, 19, 11429.	3.4	93
142	Multiphoton microscopy system with a compact fiberâ€based femtosecondâ€pulse laser and handheld probe. Journal of Biophotonics, 2011, 4, 34-39.	2.3	43
143	Multimodality approach to optical early detection andâ€‰â€‰mapping of oral neoplasia. Journal of Biomedical Optics, 2011, 16, 1.	2.6	25
144	Integrated ultrasound and photoacoustic probe for co-registered intravascular imaging. Journal of Biomedical Optics, 2011, 16, 106001.	2.6	61

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145	Investigating in vivo airway wall mechanics during tidal breathing with optical coherence tomography. Journal of Biomedical Optics, 2011, 16, 1.	2.6	18
146	Fiber-based combined optical coherence and multiphoton endomicroscopy. Journal of Biomedical Optics, 2011, 16, 036010.	2.6	21
147	Novel combined miniature optical coherence tomography ultrasound probe for in vivo intravascular imaging. Journal of Biomedical Optics, 2011, 16, 060505.	2.6	69
148	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
149	Preliminary investigation on use of highâ€resolution optical coherence tomography to monitor injury and repair in the rat sciatic nerve. Lasers in Surgery and Medicine, 2010, 42, 306-312.	2.1	10
150	Spectral Doppler optical coherence tomography imaging of localized ischemic stroke in a mouse model. Journal of Biomedical Optics, 2010, 15, 066006.	2.6	31
151	Integrated intravascular optical coherence tomography ultrasound imaging system. Journal of Biomedical Optics, 2010, 15, 010512.	2.6	75
152	Doppler variance imaging for three-dimensional retina and choroid angiography. Journal of Biomedical Optics, 2010, 15, 016029.	2.6	121
153	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
154	Optical coherence tomography of the larynx using the Niris system. Journal of Otolaryngology - Head and Neck Surgery, 2010, 39, 150-6.	1.9	7
155	Doppler Optical Coherence Tomography: Real-Time Optical Sectioning for Microfluidics. , 2009, , .		0
156	In vivo early detection of smoke-induced airway injury using three-dimensional swept-source optical coherence tomography. Journal of Biomedical Optics, 2009, 14, 060503.	2.6	25
157	Feasibility of Doppler variance imaging for red blood cell aggregation characterization. Journal of Biomedical Optics, 2009, 14, 060507.	2.6	7
158	Developing compact multiphoton systems using femtosecond fiber lasers. Journal of Biomedical Optics, 2009, 14, 030508.	2.6	59
159	In vivo diagnosis of oral dysplasia and malignancy using optical coherence tomography: Preliminary studies in 50 patients. Lasers in Surgery and Medicine, 2009, 41, 353-357.	2.1	104
160	High-dynamic-range quantitative phase imaging with spectral domain phase microscopy. Optics Letters, 2009, 34, 3442.	3.3	73
161	Three-dimensional non-destructive optical evaluation of laser-processing performance using optical coherence tomography. Optics and Laser Technology, 2008, 40, 625-631.	4.6	14
162	Optical Coherence Tomography of the Cochlea in the Porcine Model. Laryngoscope, 2008, 118, 1449-1451.	2.0	38

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163	Optical sectioning for microfluidics: secondary flow and mixing in a meandering microchannel. Lab on A Chip, 2008, 8, 125-133.	6.0	63
164	Novel biomedical imaging that combines intravascular ultrasound (IVUS) and optical coherence tomography (OCT). , 2008, , .		1
165	Optical Coherence Tomographyâ€"Enhanced Microlaryngoscopy: Preliminary Report of a Noncontact Optical Coherence Tomography System Integrated with a Surgical Microscope. Annals of Otology, Rhinology and Laryngology, 2008, 117, 538-547.	1.1	34
166	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
167	In vivo optical coherence tomography detection of differences in regional large airway smoke inhalation induced injury in a rabbit model. Journal of Biomedical Optics, 2008, 13, 034001.	2.6	26
168	Analysis of surface-tension-driven blood flow using spectral domain optical coherence tomography. , 2008, , .		0
169	Characterization of wavelength swept laser for optical coherence tomography imaging. , 2008, , .		0
170	Second Harmonic Optical Coherence Tomography based on Broadband Photonic Crystal Fiber Coupler. , 2007, , .		0
171	The application of optical coherence tomography for monitoring of the laser marking performance. , 2007, , .		0
172	Quantification of a three-dimensional velocity vector using spectral-domain Doppler optical coherence tomography. Optics Letters, 2007, 32, 1587.	3.3	60
173	In vivo Imaging of Oral Mucositis in an Animal Model Using Optical Coherence Tomography and Optical Doppler Tomography. Clinical Cancer Research, 2007, 13, 2449-2454.	7.0	52
174	High Speed Three-Dimensional Endoscopic OCT Using MEMS Technology. , 2007, , .		0
175	Imaging of the Pediatric Airway Using Optical Coherence Tomography. Laryngoscope, 2007, 117, 2206-2212.	2.0	45
176	A MEMS based Optical Coherence Tomography Imaging System and Optical Biopsy Probes for Real-Time, High Resolution In-Vivo and In-Vitro 2-D or 3-D Imaging. , 2006, , .		1
177	Optical Coherence Tomography of Laryngeal Cancer. Laryngoscope, 2006, 116, 1107-1113.	2.0	93
178	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
179	In Vivo Optical Coherence Tomography of the Human Oral Cavity and Oropharynx. JAMA Otolaryngology, 2006, 132, 1074.	1.2	107
180	Use of polarization-sensitive optical coherence tomography to determine the directional polarization sensitivity of articular cartilage and meniscus. Journal of Biomedical Optics, 2006, 11, 064001.	2.6	32

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181	Turbid two-phase slug flow in a microtube: Simultaneous visualization of structure and velocity field. Applied Physics Letters, 2006, 89, 064109.	3.3	15
182	In Vivo Optical Coherence Tomography of the Human Larynx: Normative and Benign Pathology in 82 Patients. Laryngoscope, 2005, 115, 1904-1911.	2.0	126
183	Advances in oral cancer detection using optical coherence tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 811-817.	2.9	58
184	Three-dimensional optical coherence tomography employing a 2-axis microelectromechanical scanning mirror. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 806-810.	2.9	31
185	In vivo blood flow imaging by a swept laser source based Fourier domain optical Doppler tomography. Optics Express, 2005, 13, 7449.	3.4	128
186	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
187	Determination of burn depth by polarization-sensitive optical coherence tomography. Journal of Biomedical Optics, 2004, 9, 207.	2.6	155
188	In vivo optical coherence tomography for the diagnosis of oral malignancy. Lasers in Surgery and Medicine, 2004, 35, 269-275.	2.1	93
189	Frequency domain phase-resolved optical Doppler and Doppler variance tomography. Optics Communications, 2004, 242, 345-350.	2.1	64
190	Imaging the internal structure of the rat cochlea using optical coherence tomography at 0.827 Î¼m and 1.3 Î¼m. Otolaryngology - Head and Neck Surgery, 2004, 130, 334-338.	1.9	46
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