

# Hao F F Zhang

## List of Publications by Year in descending order

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179  
papers

9,168  
citations

61945

43  
h-index

45285

90  
g-index

187  
all docs

187  
docs citations

187  
times ranked

7259  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | In Vivo Sublayer Analysis of Human Retinal Inner Plexiform Layer Obtained by Visible-Light Optical Coherence Tomography. , 2022, 63, 18.  |     | 17        |
| 2  | Monolithic dual-wedge prism-based spectroscopic single-molecule localization microscopy. Nanophotonics, 2022, 11, 1527-1535.  | 2.9 | 9         |
| 3  | High-Speed Balanced-Detection Visible-Light Optical Coherence Tomography in the Human Retina Using Subpixel Spectrometer Calibration. IEEE Transactions on Medical Imaging, 2022, 41, 1724-1734.      | 5.4 | 7         |
| 4  | Consensus Recommendation for Mouse Models of Ocular Hypertension to Study Aqueous Humor Outflow and Its Mechanisms. , 2022, 63, 12.   |     | 20        |
| 5  | Long-term retinal protection by MEK inhibition in Pax6 haploinsufficiency mice. Experimental Eye Research, 2022, 218, 109012.   | 1.2 | 5         |
| 6  | High-speed balanced detection visible-light optical coherence tomography in the human retina. , 2022, , .   |     | 1         |
| 7  | Neutrophil Recruitment Correlates to Microvascular Flow Changes in Ischemic Stroke Demonstrated with Visible-light Optical Coherence Tomography. , 2022, , .  |     | 0         |
| 8  | A standardized crush tool to produce consistent retinal ganglion cell damage in mice. Neural Regeneration Research, 2021, 16, 1442.   | 1.6 | 1         |
| 9  | Accelerating 3D single-molecule localization microscopy using blind sparse inpainting. Journal of Biomedical Optics, 2021, 26, .  | 1.4 | 4         |
| 10 | Investigating Single-Molecule Fluorescence Spectral Heterogeneity of Rhodamines Using High-Throughput Single-Molecule Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 3914-3921.       | 2.1 | 12        |
| 11 | Improving spatial precision and field-of-view in wavelength-tagged single-particle tracking using spectroscopic single-molecule localization microscopy. Applied Optics, 2021, 60, 3647.              | 0.9 | 5         |
| 12 | Super-resolution imaging of flat-mounted whole mouse cornea. Experimental Eye Research, 2021, 205, 108499.  | 1.2 | 4         |
| 13 | In vivo imaging of the inner retinal layer structure in mice after eye-opening using visible-light optical coherence tomography. Experimental Eye Research, 2021, 211, 108756.                        | 1.2 | 8         |
| 14 | Global and Regional Damages in Retinal Ganglion Cell Axon Bundles Monitored Non-Invasively by Visible-Light Optical Coherence Tomography Fibergraphy. Journal of Neuroscience, 2021, 41, 10179-10193. | 1.7 | 8         |
| 15 | Intrinsic spectrally-dependent background in spectroscopic visible-light optical coherence tomography. Biomedical Optics Express, 2021, 12, 110.  | 1.5 | 6         |
| 16 | RainbowSTORM: an open-source ImageJ plug-in for spectroscopic single-molecule localization microscopy (sSMLM) data analysis and image reconstruction. Bioinformatics, 2020, 36, 4972-4974.            | 1.8 | 6         |
| 17 | Visible-Light Optical Coherence Tomography Fibergraphy for Quantitative Imaging of Retinal Ganglion Cell Axon Bundles. Translational Vision Science and Technology, 2020, 9, 11.                      | 1.1 | 14        |
| 18 | Sub-10-nm Distance Measurements between Fluorophores using Photon Accumulation Enhanced Reconstruction. Advanced Photonics Research, 2020, 1, 2000038.  | 1.7 | 4         |

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|----|---|-----|-----------|
| 19 | Symmetrically dispersed spectroscopic single-molecule localization microscopy. <i>Light: Science and Applications</i> , 2020, 9, 92.  | 7.7 | 26        |
| 20 | In Vivo Imaging of Schlemm's Canal and Limbal Vascular Network in Mouse Using Visible-Light OCT. , 2020, 61, 23.  |     | 23        |
| 21 | Super-Resolution Imaging of Self-Assembled Nanocarriers Using Quantitative Spectroscopic Analysis for Cluster Extraction. <i>Langmuir</i> , 2020, 36, 2291-2299.  | 1.6 | 13        |
| 22 | Accelerating multicolor spectroscopic single-molecule localization microscopy using deep learning. <i>Biomedical Optics Express</i> , 2020, 11, 2705.   | 1.5 | 26        |
| 23 | Spectrally dependent roll-off in visible-light optical coherence tomography. <i>Optics Letters</i> , 2020, 45, 2680.  | 1.7 | 15        |
| 24 | Tunicamycin-induced photoreceptor atrophy precedes degeneration of retinal capillaries with minimal effects on retinal ganglion and pigment epithelium cells. <i>Experimental Eye Research</i> , 2019, 187, 107756.       | 1.2 | 9         |
| 25 | High-Throughput Single-Molecule Spectroscopy Resolves the Conformational Isomers of BODIPY Chromophores. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6807-6812.  | 2.1 | 13        |
| 26 | Disposable ultrasound-sensing chronic cranial window by soft nanoimprinting lithography. <i>Nature Communications</i> , 2019, 10, 4277.   | 5.8 | 52        |
| 27 | Designing visible-light optical coherence tomography towards clinics. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 769-781.   | 1.1 | 18        |
| 28 | Increased stiffness and flow resistance of the inner wall of Schlemm's canal in glaucomatous human eyes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26555-26563. | 3.3 | 70        |
| 29 | Speckle reduction in visible-light optical coherence tomography using scan modulation. <i>Neurophotonics</i> , 2019, 6, 1.  | 1.7 | 24        |
| 30 | Distinct pathological signatures in human cellular models of myotonic dystrophy subtypes. <i>JCI Insight</i> , 2019, 4, .   | 2.3 | 25        |
| 31 | Multicolor super-resolution imaging using spectroscopic single-molecule localization microscopy with optimal spectral dispersion. <i>Applied Optics</i> , 2019, 58, 2248.   | 0.9 | 35        |
| 32 | Longitudinal deep-brain imaging in mouse using visible-light optical coherence tomography through chronic microprism cranial window. <i>Biomedical Optics Express</i> , 2019, 10, 5235.                                   | 1.5 | 24        |
| 33 | Machine-learning based spectral classification for spectroscopic single-molecule localization microscopy. <i>Optics Letters</i> , 2019, 44, 5864.   | 1.7 | 14        |
| 34 | Three-dimensional biplane spectroscopic single-molecule localization microscopy. <i>Optica</i> , 2019, 6, 709.  | 4.8 | 28        |
| 35 | Visible-light optical coherence tomography investigation into vasculature changes following microprism implantation. , 2019, , .  |     | 0         |
| 36 | Targeted deletion of Cyp1b1 in pericytes results in attenuation of retinal neovascularization and trabecular meshwork dysgenesis. <i>Trends in Developmental Biology</i> , 2019, 12, 1-12.                                | 1.0 | 5         |

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|----|---|------|-----------|
| 37 | <i>In vivo</i> blind-deconvolution photoacoustic ophthalmoscopy with total variation regularization. <i>Journal of Biophotonics</i> , 2018, 11, e201700360.   | 1.1  | 9         |
| 38 | <i>In Vivo</i> ; Superresolution Imaging of Neuronal Structure in the Mouse Brain. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 232-238.  | 2.5  | 17        |
| 39 | High-Speed 3D Printing of Millimeter-Size Customized Aspheric Imaging Lenses with Sub 7 nm Surface Roughness. <i>Advanced Materials</i> , 2018, 30, e1705683.   | 11.1 | 98        |
| 40 | Monitoring Acute Stroke in Mouse Model Using Laser Speckle Imaging-Guided Visible-Light Optical Coherence Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2136-2142.                 | 2.5  | 24        |
| 41 | Imaging neuronal structure dynamics using 2-photon super-resolution patterned excitation reconstruction microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700171.                                      | 1.1  | 6         |
| 42 | Theoretical analysis of spectral precision in spectroscopic single-molecule localization microscopy. <i>Review of Scientific Instruments</i> , 2018, 89, 123703.  | 0.6  | 26        |
| 43 | Far-Red Photoactivatable BODIPYs for the Super-Resolution Imaging of Live Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 12741-12745.  | 6.6  | 71        |
| 44 | Spectroscopic analysis beyond the diffraction limit. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 101, 113-117.  | 1.2  | 4         |
| 45 | Method to identify and minimize artifacts induced by fluorescent impurities in single-molecule localization microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.                                      | 1.4  | 11        |
| 46 | Visible-light optical coherence tomography oximetry based on circumpapillary scan and graph-search segmentation. <i>Biomedical Optics Express</i> , 2018, 9, 3640.  | 1.5  | 14        |
| 47 | Patterned-illumination second harmonic generation microscopy of collagen fibrils in rat scleras. <i>Optics Letters</i> , 2018, 43, 5190.  | 1.7  | 4         |
| 48 | Sub-10-nm imaging of nucleic acids using spectroscopic intrinsic-contrast photon-localization optical nanoscopy (SICLON). <i>Optics Letters</i> , 2018, 43, 5817.   | 1.7  | 2         |
| 49 | Retinal oxygen: from animals to humans. <i>Progress in Retinal and Eye Research</i> , 2017, 58, 115-151.  | 7.3  | 170       |
| 50 | Theoretical model for optical oximetry at the capillary level: exploring hemoglobin oxygen saturation through backscattering of single red blood cells. <i>Journal of Biomedical Optics</i> , 2017, 22, 025002. | 1.4  | 24        |
| 51 | Colposcopic imaging using visible-light optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 056003.   | 1.4  | 9         |
| 52 | Bayer Filter Snapshot Hyperspectral Fundus Camera for Human Retinal Imaging. <i>Current Eye Research</i> , 2017, 42, 629-635.   | 0.7  | 22        |
| 53 | OCT angiography and visible-light OCT in diabetic retinopathy. <i>Vision Research</i> , 2017, 139, 191-203.   | 0.7  | 54        |
| 54 | Imaging hemodynamic response after distal middle cerebral artery occlusion with combined laser speckle imaging and visible-light optical coherence tomography. , 2017, , .                                      |      | 0         |

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|----|---|-----|-----------|
| 55 | Multiplexed RNAi therapy against brain tumor-initiating cells via lipopolymeric nanoparticle infusion delays glioblastoma progression. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6147-E6156. | 3.3 | 102       |
| 56 | Parallel Three-Dimensional Tracking of Quantum Rods Using Polarization-Sensitive Spectroscopic Photon Localization Microscopy. ACS Photonics, 2017, 4, 1747-1752.   | 3.2 | 20        |
| 57 | Optical Detection of Ultrasound in Photoacoustic Imaging. IEEE Transactions on Biomedical Engineering, 2017, 64, 4-15.  | 2.5 | 121       |
| 58 | Snapshot hyperspectral retinal imaging using compact spectral resolving detector array. Journal of Biophotonics, 2017, 10, 830-839.   | 1.1 | 26        |
| 59 | A Cooperative Copper Metal-Organic Framework-Hydrogel System Improves Wound Healing in Diabetes. Advanced Functional Materials, 2017, 27, 1604872.  | 7.8 | 280       |
| 60 | Quantifying melanin concentration in retinal pigment epithelium using broadband photoacoustic microscopy. Biomedical Optics Express, 2017, 8, 2851.   | 1.5 | 35        |
| 61 | Optical coherence tomography angiography of retinal vascular occlusions produced by imaging-guided laser photocoagulation. Biomedical Optics Express, 2017, 8, 3571.  | 1.5 | 24        |
| 62 | Stochastic fluorescence switching of nucleic acids under visible light illumination. Optics Express, 2017, 25, 7929.  | 1.7 | 5         |
| 63 | Blind sparse inpainting reveals cytoskeletal filaments with sub-Nyquist localization. Optica, 2017, 4, 1277.  | 4.8 | 14        |
| 64 | Retinal oximetry in humans using visible-light optical coherence tomography [Invited]. Biomedical Optics Express, 2017, 8, 1415.  | 1.5 | 52        |
| 65 | Foxc1 and Foxc2 in the Neural Crest Are Required for Ocular Anterior Segment Development. , 2017, 58, 1368.   |     | 62        |
| 66 | Sustaining Intravitreal Residence With L-Arginine Peptide-Conjugated Nanocarriers. , 2017, 58, 5142.  |     | 12        |
| 67 | Increased Retinal Oxygen Metabolism Precedes Microvascular Alterations in Type 1 Diabetic Mice. , 2017, 58, 981.  |     | 27        |
| 68 | Spectroscopic Doppler analysis for visible-light optical coherence tomography. Journal of Biomedical Optics, 2017, 22, 1.   | 1.4 | 6         |
| 69 | Visible-light optical coherence tomography: a review. Journal of Biomedical Optics, 2017, 22, 1.  | 1.4 | 111       |
| 70 | Monitoring Mouse Cerebral Circulation Oxygenation after Ischemic Stroke Using Visible-Light Optical Coherence Tomography. , 2017, , .   |     | 0         |
| 71 | Optical Detection of Early Damage in Retinal Ganglion Cells in a Mouse Model of Partial Optic Nerve Crush Injury. , 2016, 57, 5665.   |     | 25        |
| 72 | Visible-Light Optical Coherence Tomography Angiography for Monitoring Laser-Induced Choroidal Neovascularization in Mice. , 2016, 57, OCT86.  |     | 25        |

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|----|---|-----|-----------|
| 73 | Long-Term Protection of Retinal Ganglion Cells and Visual Function by Brain-Derived Neurotrophic Factor in Mice With Ocular Hypertension. , 2016, 57, 3793.   |     | 43        |
| 74 | Super-resolution spectroscopic microscopy via photon localization. Nature Communications, 2016, 7, 12290.   | 5.8 | 91        |
| 75 | Real-time Functional Analysis of Inertial Microfluidic Devices via Spectral Domain Optical Coherence Tomography. Scientific Reports, 2016, 6, 33250.  | 1.6 | 8         |
| 76 | Special issue introduction: Photoacoustic microscopy. Photoacoustics, 2016, 4, 81-82.   | 4.4 | 4         |
| 77 | Sustained release of stromal cell derived factor-1 from an antioxidant thermoresponsive hydrogel enhances dermal wound healing in diabetes. Journal of Controlled Release, 2016, 238, 114-122.                              | 4.8 | 105       |
| 78 | Imaging hemodynamic response after ischemic stroke in mouse cortex using visible-light optical coherence tomography. Biomedical Optics Express, 2016, 7, 3377.  | 1.5 | 35        |
| 79 | Superresolution intrinsic fluorescence imaging of chromatin utilizing native, unmodified nucleic acids for contrast. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9716-9721. | 3.3 | 56        |
| 80 | Subsurface Super-resolution Imaging of Unstained Polymer Nanostructures. Scientific Reports, 2016, 6, 28156.  | 1.6 | 31        |
| 81 | Gigahertz All-Optical Modulation Using Reconfigurable Nanophotonic Metamolecules. Nano Letters, 2016, 16, 7690-7695.  | 4.5 | 14        |
| 82 | Fabricating customized hydrogel contact lens. Scientific Reports, 2016, 6, 34905.   | 1.6 | 56        |
| 83 | Single all-fiber-based nanosecond-pulsed supercontinuum source for multispectral photoacoustic microscopy and optical coherence tomography. Optics Letters, 2016, 41, 2743.   | 1.7 | 30        |
| 84 | Photoacoustic imaging of the eye: A mini review. Photoacoustics, 2016, 4, 112-123.  | 4.4 | 107       |
| 85 | Dual-band optical coherence tomography using a single supercontinuum laser source. Journal of Biomedical Optics, 2016, 21, 066013.  | 1.4 | 25        |
| 86 | Imaging cortical hemodynamics using visible-light optical coherence tomography. , 2016, , .   |     | 0         |
| 87 | Inner retinal oxygen metabolism in the 50/10 oxygen-induced retinopathy model. Scientific Reports, 2015, 5, 16752.  | 1.6 | 32        |
| 88 | Measuring retinal blood flow in rats using Doppler optical coherence tomography without knowing eyeball axial length. Medical Physics, 2015, 42, 5356-5362.   | 1.6 | 9         |
| 89 | Human retinal imaging using visible-light optical coherence tomography guided by scanning laser ophthalmoscopy. Biomedical Optics Express, 2015, 6, 3701.   | 1.5 | 66        |
| 90 | Simultaneous optical coherence tomography angiography and fluorescein angiography in rodents with normal retina and laser-induced choroidal neovascularization. Optics Letters, 2015, 40, 5782.                             | 1.7 | 24        |

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|-----|---|-----|-----------|
| 91  | Visible light optical coherence tomography measures retinal oxygen metabolic response to systemic oxygenation. <i>Light: Science and Applications</i> , 2015, 4, e334-e334.                   | 7.7 | 133       |
| 92  | Investigating the influence of chromatic aberration and optical illumination bandwidth on fundus imaging in rats. <i>Journal of Biomedical Optics</i> , 2015, 20, 106010.                     | 1.4 | 8         |
| 93  | Monte Carlo investigation on quantifying the retinal pigment epithelium melanin concentration by photoacoustic ophthalmoscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 106005.        | 1.4 | 20        |
| 94  | Isometric multimodal photoacoustic microscopy based on optically transparent micro-ring ultrasonic detection. <i>Optica</i> , 2015, 2, 169.   | 4.8 | 79        |
| 95  | Progressive Degeneration of Retinal and Superior Collicular Functions in Mice With Sustained Ocular Hypertension. , 2015, 56, 1971.   |     | 65        |
| 96  | Super-resolution two-photon microscopy via scanning patterned illumination. <i>Physical Review E</i> , 2015, 91, 042703.  | 0.8 | 33        |
| 97  | Measuring oxygen saturation in retinal and choroidal circulations in rats using visible light optical coherence tomography angiography. <i>Biomedical Optics Express</i> , 2015, 6, 2840.     | 1.5 | 50        |
| 98  | Optical coherence photoacoustic microscopy for in vivo multimodal retinal imaging. <i>Optics Letters</i> , 2015, 40, 1370.  | 1.7 | 48        |
| 99  | Monte Carlo Investigation of Optical Coherence Tomography Retinal Oximetry. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2308-2315.   | 2.5 | 25        |
| 100 | Quantitative Image Analysis of Mesoscale Biofilm Structure with Optical Coherence Tomography. <i>Proceedings of the Water Environment Federation</i> , 2015, 2015, 4736-4745.                 | 0.0 | 2         |
| 101 | Imaging endocervical mucus anatomy and dynamics in macaque female reproductive track using optical coherence tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 40-5. | 1.1 | 3         |
| 102 | Measuring absolute microvascular blood flow in cortex using visible-light optical coherence tomography. , 2014, 2014, 3881-4.   |     | 3         |
| 103 | Visible light optical coherence tomography to quantify retinal blood oxygenation. , 2014, , .   |     | 0         |
| 104 | In vivo functional microangiography by visible-light optical coherence tomography. <i>Biomedical Optics Express</i> , 2014, 5, 3603.  | 1.5 | 53        |
| 105 | Introduction to the BIOMED 2014 feature issue. <i>Biomedical Optics Express</i> , 2014, 5, 4144.  | 1.5 | 0         |
| 106 | Directly measuring absolute flow speed by frequency-domain laser speckle imaging. <i>Optics Express</i> , 2014, 22, 21079.  | 1.7 | 22        |
| 107 | Photoacoustic probe using a microring resonator ultrasonic sensor for endoscopic applications. <i>Optics Letters</i> , 2014, 39, 4372.  | 1.7 | 80        |
| 108 | Noninvasive in vivo imaging of oxygen metabolic rate in the retina. , 2014, 2014, 3865-8.   |     | 7         |

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|-----|---|-----|-----------|
| 109 | Investigating femtosecond-laser-induced two-photon photoacoustic generation. Journal of Biomedical Optics, 2014, 19, 085001.  | 1.4 | 9         |
| 110 | Theoretical and experimental studies of distance dependent response of micro-ring resonator-based ultrasonic detectors for photoacoustic microscopy. Journal of Applied Physics, 2014, 116, 144501. | 1.1 | 15        |
| 111 | In vivo corneal neovascularization imaging by optical-resolution photoacoustic microscopy. Photoacoustics, 2014, 2, 81-86.  | 4.4 | 44        |
| 112 | A combined method to quantify the retinal metabolic rate of oxygen using photoacoustic ophthalmoscopy and optical coherence tomography. Scientific Reports, 2014, 4, 6525.                          | 1.6 | 106       |
| 113 | A transparent broadband ultrasonic detector based on an optical micro-ring resonator for photoacoustic microscopy. Scientific Reports, 2014, 4, 4496.   | 1.6 | 158       |
| 114 | In vivo photoacoustic chorioretinal vascular imaging in albino mouse. Chinese Optics Letters, 2014, 12, 051704-51707.   | 1.3 | 4         |
| 115 | Optical micro-ring resonator based ultrasonic detector for multimodal photoacoustic microscopy. , 2014, , .   |     | 0         |
| 116 | Visible light optical coherence tomography for retinal oximetry. , 2014, , .  |     | 1         |
| 117 | Photoacoustic microscopy: current situation and new ultrasonic detectors. , 2014, , .   |     | 0         |
| 118 | A video-guided multimodal photoacoustic microscopy for retinal imaging. , 2014, , .   |     | 0         |
| 119 | Multimodal photoacoustic ophthalmoscopy in mouse. Journal of Biophotonics, 2013, 6, 505-512.  | 1.1 | 21        |
| 120 | Effect of Contact Lens on Optical Coherence Tomography Imaging of Rodent Retina. Current Eye Research, 2013, 38, 1235-1240.   | 0.7 | 20        |
| 121 | Integrated Photoacoustic Ophthalmoscopy and Spectral-domain Optical Coherence Tomography. Journal of Visualized Experiments, 2013, , e4390.   | 0.2 | 20        |
| 122 | Accuracy of retinal oximetry: a Monte Carlo investigation. Journal of Biomedical Optics, 2013, 18, 066003.  | 1.4 | 30        |
| 123 | Automatic retinal vessel segmentation based on active contours method in Doppler spectral-domain optical coherence tomography. Journal of Biomedical Optics, 2013, 18, 016002.                      | 1.4 | 7         |
| 124 | Fundus Camera Guided Photoacoustic Ophthalmoscopy. Current Eye Research, 2013, 38, 1229-1234.   | 0.7 | 23        |
| 125 | Laser-scanning Doppler photoacoustic microscopy based on temporal correlation. Applied Physics Letters, 2013, 102, 203501.  | 1.5 | 16        |
| 126 | Visible-light optical coherence tomography for retinal oximetry. Optics Letters, 2013, 38, 1796.  | 1.7 | 151       |



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|-----|---|-----|-----------|
| 127 | Absolute Retinal Blood Flow Measurement With a Dual-Beam Doppler Optical Coherence Tomography. , 2013, 54, 7998.  |     | 57        |
| 128 | Optical coherence photoacoustic microscopy: accomplishing optical coherence tomography and photoacoustic microscopy with a single light source. Journal of Biomedical Optics, 2012, 17, 030502.                                   | 1.4 | 45        |
| 129 | Integrating photoacoustic ophthalmoscopy with scanning laser ophthalmoscopy, optical coherence tomography, and fluorescein angiography for a multimodal retinal imaging platform. Journal of Biomedical Optics, 2012, 17, 061206. | 1.4 | 89        |
| 130 | Simultaneous in vivo imaging of melanin and lipofuscin in the retina with multimodal photoacoustic ophthalmoscopy. , 2012, , .  |     | 0         |
| 131 | Near-infrared light photoacoustic ophthalmoscopy. Biomedical Optics Express, 2012, 3, 792.  | 1.5 | 24        |
| 132 | Laser-scanning photoacoustic microscopy with ultrasonic phased array transducer. Biomedical Optics Express, 2012, 3, 2694.  | 1.5 | 13        |
| 133 | Structured interference optical coherence tomography. Optics Letters, 2012, 37, 3048.   | 1.7 | 7         |
| 134 | Chemically Specific Imaging Through Stimulated Raman Photoexcitation and Ultrasound Detection: Minireview. Australian Journal of Chemistry, 2012, 65, 260.  | 0.5 | 6         |
| 135 | <i>In vivo</i> integrated photoacoustic ophthalmoscopy, optical coherence tomography, and scanning laser ophthalmoscopy for retinal imaging. , 2012, , .  |     | 0         |
| 136 | Simultaneous in vivo imaging of dual molecular contrasts in the retina with multimodal photoacoustic ophthalmoscopy. , 2012, , .  |     | 0         |
| 137 | Combined photoacoustic microscopy and optical coherence tomography can measure metabolic rate of oxygen. Biomedical Optics Express, 2011, 2, 1359.  | 1.5 | 74        |
| 138 | Introduction: feature issue on In Vivo Microcirculation Imaging. Biomedical Optics Express, 2011, 2, 1861.  | 1.5 | 7         |
| 139 | Chemically-Specific Photoacoustic Imaging using Vibrational Raman Excitation. , 2011, , .   |     | 0         |
| 140 | Image chorioretinal vasculature in albino rats using photoacoustic ophthalmoscopy. Journal of Modern Optics, 2011, 58, 1997-2001.   | 0.6 | 17        |
| 141 | Simultaneous in vivo imaging of melanin and lipofuscin in the retina with photoacoustic ophthalmoscopy and autofluorescence imaging. Journal of Biomedical Optics, 2011, 16, 080504.  | 1.4 | 40        |
| 142 | Feasibility of detecting mineral content in turbid medium using stimulated Raman photoacoustic imaging. Proceedings of SPIE, 2011, , .  | 0.8 | 0         |
| 143 | Photoacoustic Ophthalmoscopy for In Vivo Retinal Imaging: Current Status and Prospects. Ophthalmic Surgery Lasers and Imaging Retina, 2011, 42, S106-15.  | 0.4 | 40        |
| 144 | PHOTOACOUSTIC GENERATION OF FOCUSED QUASI-UNIPOLAR PRESSURE PULSES. Journal of Innovative Optical Health Sciences, 2010, 03, 247-253.   | 0.5 | 4         |

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|-----|--|-----|-----------|
| 145 | Real-time full-field photoacoustic imaging using an ultrasonic camera. Journal of Biomedical Optics, 2010, 15, 1.                                | 1.4 | 7         |
| 146 | In vitro testing of a protease-sensitive contrast agent for optoacoustic imaging. Journal of Biomedical Optics, 2010, 15, 021315.                | 1.4 | 7         |
| 147 | Stimulated Raman photoacoustic imaging. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20335-20339. | 3.3 | 66        |
| 148 | Photoacoustic generation by multiple picosecond pulse excitation. Medical Physics, 2010, 37, 1518-1521.  | 1.6 | 45        |
| 149 | Stimulated Raman Photoacoustic Imaging. , 2010, , .  |     | 0         |
| 150 | Photoacoustic ophthalmoscopy for in vivo retinal imaging. Optics Express, 2010, 18, 3967.  | 1.7 | 251       |
| 151 | Adaptive optics photoacoustic microscopy. Optics Express, 2010, 18, 21770.   | 1.7 | 18        |
| 152 | Simultaneous dual molecular contrasts provided by the absorbed photons in photoacoustic microscopy. Optics Letters, 2010, 35, 4018.              | 1.7 | 24        |
| 153 | Collecting back-reflected photons in photoacoustic microscopy. Optics Express, 2010, 18, 1278.   | 1.7 | 34        |
| 154 | Saturation effect in functional photoacoustic imaging. Journal of Biomedical Optics, 2010, 15, 021317.   | 1.4 | 31        |
| 155 | Naturally Combined Photoacoustic Microscopy and Optical Coherence Tomography for Simultaneous Multimodal Imaging. , 2010, , .                    |     | 0         |
| 156 | Stimulated Raman Photoacoustic Imaging. , 2010, , .  |     | 0         |
| 157 | Multimodal Retinal Imaging. , 2010, , .  |     | 0         |
| 158 | Random-illuminating Compressed-sensing Photoacoustic Imaging. , 2010, , .  |     | 0         |
| 159 | System model for laser-scanning photoacoustic microscopy. , 2009, , .  |     | 0         |
| 160 | Laser-scanning optical-resolution photoacoustic microscopy. , 2009, , .  |     | 4         |
| 161 | Automatic algorithm for skin profile detection in photoacoustic microscopy. Journal of Biomedical Optics, 2009, 14, 024050.                      | 1.4 | 25        |
| 162 | Laser-scanning optical-resolution photoacoustic microscopy. Optics Letters, 2009, 34, 1771.  | 1.7 | 224       |

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|-----|---|-----|-----------|
| 163 | Simultaneous multimodal imaging with integrated photoacoustic microscopy and optical coherence tomography. <i>Optics Letters</i> , 2009, 34, 2961.  | 1.7 | 113       |
| 164 | Optical fluence distribution study in tissue in dark-field confocal photoacoustic microscopy using a modified Monte Carlo convolution method. <i>Applied Optics</i> , 2009, 48, 3204.                             | 2.1 | 19        |
| 165 | Stimulated Raman scattering: old physics, new applications. <i>Journal of Modern Optics</i> , 2009, 56, 1970-1973.  | 0.6 | 30        |
| 166 | Monte Carlo simulation of light transport in dark-field confocal photoacoustic microscopy. , 2009, , .  |     | 0         |
| 167 | Compressed-sensing Photoacoustic Imaging based on random optical illumination. <i>International Journal of Functional Informatics and Personalised Medicine</i> , 2009, 2, 394.                                   | 0.4 | 26        |
| 168 | Optical-resolution photoacoustic microscopy for in vivo imaging of single capillaries. <i>Optics Letters</i> , 2008, 33, 929.   | 1.7 | 710       |
| 169 | Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo. <i>Proceedings of SPIE</i> , 2008, , .          | 0.8 | 2         |
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| 173 | Imaging of hemoglobin oxygen saturation variations in single vessels in vivo using photoacoustic microscopy. <i>Applied Physics Letters</i> , 2007, 90, 053901.   | 1.5 | 310       |
| 174 | In vivo imaging of subcutaneous structures using functional photoacoustic microscopy. <i>Nature Protocols</i> , 2007, 2, 797-804.   | 5.5 | 181       |
| 175 | Three-dimensional imaging of skin melanoma in vivo by dual-wavelength photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2006, 11, 034032.   | 1.4 | 242       |
| 176 | Improved in vivo photoacoustic microscopy based on a virtual-detector concept. <i>Optics Letters</i> , 2006, 31, 474.   | 1.7 | 167       |
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| 178 | Functional photoacoustic microscopy for high-resolution and noninvasive in vivo imaging. <i>Nature Biotechnology</i> , 2006, 24, 848-851.   | 9.4 | 1,690     |
| 179 | Imaging acute thermal burns by photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2006, 11, 054033.  | 1.4 | 83        |