

# Lihong V Wang

## List of Publications by Citations

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768  
papers

56,464  
citations

114  
h-index

217  
g-index

960  
ext. papers

67,216  
ext. citations

6.2  
avg, IF

8.18  
L-index

#	Paper	IF	Citations
768	Photoacoustic tomography: in vivo imaging from organelles to organs. <i>Science</i> , <b>2012</b> , 335, 1458-62	33.3	2663
767	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4734-9	11.5	2183
766	MCML--Monte Carlo modeling of light transport in multi-layered tissues. <i>Computer Methods and Programs in Biomedicine</i> , <b>1995</b> , 47, 131-46	6.9	2073
765	Photoacoustic imaging in biomedicine. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 041101	1.7	1481
764	Functional photoacoustic microscopy for high-resolution and noninvasive in vivo imaging. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 848-51	44.5	1304
763	Looking and listening to light: the evolution of whole-body photonic imaging. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 313-20	44.5	1245
762	Noninvasive laser-induced photoacoustic tomography for structural and functional in vivo imaging of the brain. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 803-6	44.5	1238
761	Gold nanocages covered by smart polymers for controlled release with near-infrared light. <i>Nature Materials</i> , <b>2009</b> , 8, 935-9	27	1232
760	Fullerenes with metals inside. <i>The Journal of Physical Chemistry</i> , <b>1991</b> , 95, 7564-7568		1111
759	Porphysome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. <i>Nature Materials</i> , <b>2011</b> , 10, 324-32	27	1043
758	Multiscale photoacoustic microscopy and computed tomography. <i>Nature Photonics</i> , <b>2009</b> , 3, 503-509	33.9	907
757	Gold nanostructures: a class of multifunctional materials for biomedical applications. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 44-56	58.5	662
756	A practical guide to photoacoustic tomography in the life sciences. <i>Nature Methods</i> , <b>2016</b> , 13, 627-38	21.6	620
755	Universal back-projection algorithm for photoacoustic computed tomography. <i>Physical Review E</i> , <b>2005</b> , 71, 016706	2.4	619
754	In vivo photoacoustic tomography of chemicals: high-resolution functional and molecular optical imaging at new depths. <i>Chemical Reviews</i> , <b>2010</b> , 110, 2756-82	68.1	601
753	Optical-resolution photoacoustic microscopy for in vivo imaging of single capillaries. <i>Optics Letters</i> , <b>2008</b> , 33, 929-31	3	521
752	Comparison study of gold nanohexapods, nanorods, and nanocages for photothermal cancer treatment. <i>ACS Nano</i> , <b>2013</b> , 7, 2068-77	16.7	492

751	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , <b>2015</b> , 12, 407-10	21.6	413
750	Photoacoustic tomography and sensing in biomedicine. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, R59-97	3.8	401
749	Photoacoustic Tomography of a Nanoshell Contrast Agent in the in Vivo Rat Brain. <i>Nano Letters</i> , <b>2004</b> , 4, 1689-1692	11.5	385
748	In vivo molecular photoacoustic tomography of melanomas targeted by bioconjugated gold nanocages. <i>ACS Nano</i> , <b>2010</b> , 4, 4559-64	16.7	376
747	Photoacoustic tomography of a rat cerebral cortex in vivo with au nanocages as an optical contrast agent. <i>Nano Letters</i> , <b>2007</b> , 7, 3798-802	11.5	366
746	A new theranostic system based on gold nanocages and phase-change materials with unique features for photoacoustic imaging and controlled release. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4762-5	16.4	341
745	Near-infrared gold nanocages as a new class of tracers for photoacoustic sentinel lymph node mapping on a rat model. <i>Nano Letters</i> , <b>2009</b> , 9, 183-8	11.5	332
744	Tutorial on Photoacoustic Microscopy and Computed Tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2008</b> , 14, 171-179	3.8	321
743	Prospects of photoacoustic tomography. <i>Medical Physics</i> , <b>2008</b> , 35, 5758-67	4.4	314
742	Time-reversed ultrasonically encoded optical focusing into scattering media. <i>Nature Photonics</i> , <b>2011</b> , 5, 154	33.9	311
741	Noninvasive imaging of hemoglobin concentration and oxygenation in the rat brain using high-resolution photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 024015	3.5	307
740	In vivo dark-field reflection-mode photoacoustic microscopy. <i>Optics Letters</i> , <b>2005</b> , 30, 625-7	3	295
739	Second-generation optical-resolution photoacoustic microscopy with improved sensitivity and speed. <i>Optics Letters</i> , <b>2011</b> , 36, 1134-6	3	293
738	Photoacoustic tomography: principles and advances. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 147, 1-22	3.8	281
737	Deeply penetrating photoacoustic tomography in biological tissues enhanced with an optical contrast agent. <i>Optics Letters</i> , <b>2005</b> , 30, 507-9	3	281
736	Simultaneous functional photoacoustic and ultrasonic endoscopy of internal organs in vivo. <i>Nature Medicine</i> , <b>2012</b> , 18, 1297-1302	50.5	277
735	Time-domain reconstruction for thermoacoustic tomography in a spherical geometry. <i>IEEE Transactions on Medical Imaging</i> , <b>2002</b> , 21, 814-22	11.7	274
734	Single-shot compressed ultrafast photography at one hundred billion frames per second. <i>Nature</i> , <b>2014</b> , 516, 74-7	50.4	265

733	Radioactive <sup>198</sup> Au-doped nanostructures with different shapes for in vivo analyses of their biodistribution, tumor uptake, and intratumoral distribution. <i>ACS Nano</i> , <b>2014</b> , 8, 4385-94	16.7	264
732	Photoacoustic imaging of living mouse brain vasculature using hollow gold nanospheres. <i>Biomaterials</i> , <b>2010</b> , 31, 2617-26	15.6	251
731	Imaging of hemoglobin oxygen saturation variations in single vessels in vivo using photoacoustic microscopy. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 053901	3.4	243
730	Reconstructions in limited-view thermoacoustic tomography. <i>Medical Physics</i> , <b>2004</b> , 31, 724-33	4.4	243
729	Simultaneous Molecular and Hypoxia Imaging of Brain Tumors In Vivo Using Spectroscopic Photoacoustic Tomography. <i>Proceedings of the IEEE</i> , <b>2008</b> , 96, 481-489	14.3	239
728	Practical reconstruction method for bioluminescence tomography. <i>Optics Express</i> , <b>2005</b> , 13, 6756-71	3.3	236
727	Photoacoustic Microscopy. <i>Laser and Photonics Reviews</i> , <b>2013</b> , 7, 758	8.3	233
726	Photoacoustic imaging and characterization of the microvasculature. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 011101	3.5	230
725	Label-free oxygen-metabolic photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 076003	3.5	228
724	Single-impulse Panoramic Photoacoustic Computed Tomography of Small-animal Whole-body Dynamics at High Spatiotemporal Resolution. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	218
723	High-resolution photoacoustic tomography of resting-state functional connectivity in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 21-6	11.5	217
722	Sensitivity of photoacoustic microscopy. <i>Photoacoustics</i> , <b>2014</b> , 2, 87-101	9	207
721	Deeply penetrating in vivo photoacoustic imaging using a clinical ultrasound array system. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 278-284	3.5	203
720	Noninvasive photoacoustic angiography of animal brains in vivo with near-infrared light and an optical contrast agent. <i>Optics Letters</i> , <b>2004</b> , 29, 730-2	3	201
719	CONV--convolution for responses to a finite diameter photon beam incident on multi-layered tissues. <i>Computer Methods and Programs in Biomedicine</i> , <b>1997</b> , 54, 141-50	6.9	194
718	Exact frequency-domain reconstruction for thermoacoustic tomography--I: Planar geometry. <i>IEEE Transactions on Medical Imaging</i> , <b>2002</b> , 21, 823-8	11.7	190
717	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3684-3694	15.6	189
716	Photoacoustically guided wavefront shaping for enhanced optical focusing in scattering media. <i>Nature Photonics</i> , <b>2015</b> , 9, 126-132	33.9	188

715	Sentinel lymph nodes and lymphatic vessels: noninvasive dual-modality in vivo mapping by using indocyanine green in rats--volumetric spectroscopic photoacoustic imaging and planar fluorescence imaging. <i>Radiology</i> , <b>2010</b> , 255, 442-50	20.5	188
714	Tutorial on photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 61007	3.5	188
713	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , <b>2018</b> , 9, 2352	17.4	186
712	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines. <i>Science Robotics</i> , <b>2019</b> , 4,	18.6	186
711	Sentinel lymph nodes in the rat: noninvasive photoacoustic and US imaging with a clinical US system. <i>Radiology</i> , <b>2010</b> , 256, 102-10	20.5	185
710	Subwavelength-resolution label-free photoacoustic microscopy of optical absorption in vivo. <i>Optics Letters</i> , <b>2010</b> , 35, 3195-7	3	185
709	Effects of photoacoustic imaging and photothermal ablation therapy mediated by targeted hollow gold nanospheres in an orthotopic mouse xenograft model of glioma. <i>Cancer Research</i> , <b>2011</b> , 71, 6116-21	10.1	183
708	Three-dimensional imaging of skin melanoma in vivo by dual-wavelength photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 34032	3.5	182
707	Continuous-wave ultrasonic modulation of scattered laser light to image objects in turbid media. <i>Optics Letters</i> , <b>1995</b> , 20, 629-31	3	179
706	Time-domain reconstruction algorithms and numerical simulations for thermoacoustic tomography in various geometries. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2003</b> , 50, 1086-99	5	175
705	Propagation of polarized light in birefringent turbid media: a Monte Carlo study. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 279-90	3.5	174
704	Two-dimensional depth-resolved Mueller matrix characterization of biological tissue by optical coherence tomography. <i>Optics Letters</i> , <b>1999</b> , 24, 537-9	3	173
703	A real-time photoacoustic tomography system for small animals. <i>Optics Express</i> , <b>2009</b> , 17, 10489-98	3.3	170
702	Three-dimensional laser-induced photoacoustic tomography of mouse brain with the skin and skull intact. <i>Optics Letters</i> , <b>2003</b> , 28, 1739-41	3	169
701	Photoacoustic endoscopy. <i>Optics Letters</i> , <b>2009</b> , 34, 1591-3	3	168
700	Analytic explanation of spatial resolution related to bandwidth and detector aperture size in thermoacoustic or photoacoustic reconstruction. <i>Physical Review E</i> , <b>2003</b> , 67, 056605	2.4	168
699	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. <i>Nature Methods</i> , <b>2016</b> , 13, 67-73	21.6	165
698	Noninvasive photoacoustic and fluorescence sentinel lymph node identification using dye-loaded perfluorocarbon nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 173-82	16.7	164

697	Nanoparticles for photoacoustic imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2009</b> , 1, 360-8	9.2	164
696	Noninvasive photoacoustic identification of sentinel lymph nodes containing methylene blue in vivo in a rat model. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 054033	3.5	162
695	Single-cell label-free photoacoustic flowoxigraphy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5759-64	11.5	159
694	Full-wave iterative image reconstruction in photoacoustic tomography with acoustically inhomogeneous media. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 1097-110	11.7	157
693	Imaging of tumor angiogenesis in rat brains in vivo by photoacoustic tomography. <i>Applied Optics</i> , <b>2005</b> , 44, 770-5	1.7	152
692	Noninvasive photoacoustic computed tomography of mouse brain metabolism in vivo. <i>NeuroImage</i> , <b>2013</b> , 64, 257-66	7.9	151
691	Thermoacoustic and photoacoustic sensing of temperature. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 054034	3.4	149
690	In vivo photoacoustic imaging of transverse blood flow by using Doppler broadening of bandwidth. <i>Optics Letters</i> , <b>2010</b> , 35, 1419-21	3	148
689	Dual-Modality Photoacoustic and Ultrasound Imaging System for Noninvasive Sentinel Lymph Node Detection in Patients with Breast Cancer. <i>Scientific Reports</i> , <b>2015</b> , 5, 15748	4.9	147
688	Photoacoustic microscopy and computed tomography: from bench to bedside. <i>Annual Review of Biomedical Engineering</i> , <b>2014</b> , 16, 155-85	12	143
687	Deep-tissue photoacoustic tomography of a genetically encoded near-infrared fluorescent probe. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1448-51	16.4	143
686	Multiple-bandwidth photoacoustic tomography. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 1329-38	3.8	143
685	Time reversal and its application to tomography with diffracting sources. <i>Physical Review Letters</i> , <b>2004</b> , 92, 033902	7.4	143
684	In vivo imaging of subcutaneous structures using functional photoacoustic microscopy. <i>Nature Protocols</i> , <b>2007</b> , 2, 797-804	18.8	142
683	Ultrasound-mediated biophotonic imaging: a review of acousto-optical tomography and photo-acoustic tomography. <i>Disease Markers</i> , <b>2003</b> , 19, 123-38	3.2	142
682	Anisotropy in the absorption and scattering spectra of chicken breast tissue. <i>Applied Optics</i> , <b>1998</b> , 37, 798-804	1.7	141
681	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. <i>Biomaterials</i> , <b>2010</b> , 31, 4088-93	15.6	140
680	Small-animal whole-body photoacoustic tomography: a review. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2014</b> , 61, 1380-9	5	138

679	Molecular photoacoustic imaging of angiogenesis with integrin-targeted gold nanobeacons. <i>FASEB Journal</i> , <b>2011</b> , 25, 875-82	0.9	138
678	In vivo label-free photoacoustic microscopy of cell nuclei by excitation of DNA and RNA. <i>Optics Letters</i> , <b>2010</b> , 35, 4139-41	3	137
677	Two-dimensional depth-resolved Mueller matrix of biological tissue measured with double-beam polarization-sensitive optical coherence tomography. <i>Optics Letters</i> , <b>2002</b> , 27, 101-3	3	136
676	Microwave-induced acoustic imaging of biological tissues. <i>Review of Scientific Instruments</i> , <b>1999</b> , 70, 3744-3748	4.7	135
675	A Green Synthesis of Carbon Nanoparticle from Honey for Real-Time Photoacoustic Imaging. <i>Nano Research</i> , <b>2013</b> , 6, 312-325	10	134
674	VEGF is essential for hypoxia-inducible factor-mediated neovascularization but dispensable for endothelial sprouting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13264-9	11.5	132
673	Photoacoustic imaging of lacZ gene expression in vivo. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 020504	3.5	132
672	Design and evaluation of a novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography. <i>Medical Physics</i> , <b>2008</b> , 35, 2218-23	4.4	131
671	Deep reflection-mode photoacoustic imaging of biological tissue. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 060503	3.5	130
670	Exact frequency-domain reconstruction for thermoacoustic tomography--II: Cylindrical geometry. <i>IEEE Transactions on Medical Imaging</i> , <b>2002</b> , 21, 829-33	11.7	130
669	Mechanisms of ultrasonic modulation of multiply scattered coherent light: an analytic model. <i>Physical Review Letters</i> , <b>2001</b> , 87, 043903	7.4	127
668	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. <i>Science Advances</i> , <b>2017</b> , 3, e1602168	14.3	126
667	Light backscattering polarization patterns from turbid media: theory and experiment. <i>Applied Optics</i> , <b>1999</b> , 38, 3399-408	1.7	125
666	Single-walled carbon nanotubes as a multimodal-thermoacoustic and photoacoustic-contrast agent. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 034018	3.5	123
665	Jones-matrix imaging of biological tissues with quadruple-channel optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 350-8	3.5	123
664	Fast voice-coil scanning optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , <b>2011</b> , 36, 139-41	3	122
663	Photoacoustic tomography: fundamentals, advances and prospects. <i>Contrast Media and Molecular Imaging</i> , <b>2011</b> , 6, 332-45	3.2	120
662	Optical focusing deep inside dynamic scattering media with near-infrared time-reversed ultrasonically encoded (TRUE) light. <i>Nature Communications</i> , <b>2015</b> , 6, 5904	17.4	119

661	Functional transcranial brain imaging by optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 040503	3.5	118
660	Photoacoustic Doppler effect from flowing small light-absorbing particles. <i>Physical Review Letters</i> , <b>2007</b> , 99, 184501	7.4	118
659	Monte Carlo simulation of an optical coherence tomography signal in homogeneous turbid media. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 2307-20	3.8	118
658	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. <i>Nanoscale</i> , <b>2011</b> , 3, 1724-30	7.7	117
657	Optical Polarization in Biomedical Applications <b>2006</b> ,		115
656	Improved in vivo photoacoustic microscopy based on a virtual-detector concept. <i>Optics Letters</i> , <b>2006</b> , 31, 474-6	3	115
655	Electronic structure of small GaAs clusters. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 8015-8020	3.9	115
654	Use of a laser beam with an oblique angle of incidence to measure the reduced scattering coefficient of a turbid medium. <i>Applied Optics</i> , <b>1995</b> , 34, 2362-6	1.7	112
653	Measuring the Optical Absorption Cross-sections of Au-Ag Nanocages and Au Nanorods by Photoacoustic Imaging. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9023-9028	3.8	111
652	Label-free photoacoustic ophthalmic angiography. <i>Optics Letters</i> , <b>2010</b> , 35, 1-3	3	110
651	Whole-body ring-shaped confocal photoacoustic computed tomography of small animals in vivo. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 050506	3.5	110
650	Depth-resolved two-dimensional stokes vectors of backscattered light and mueller matrices of biological tissue measured with optical coherence tomography. <i>Applied Optics</i> , <b>2000</b> , 39, 6318-24	1.7	109
649	Measurement and calculation of the two-dimensional backscattering Mueller matrix of a turbid medium. <i>Optics Letters</i> , <b>1998</b> , 23, 485-7	3	108
648	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 046010	3.5	107
647	Photoacoustic imaging of biological tissue with intensity-modulated continuous-wave laser. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 024006	3.5	106
646	Noninvasive in vivo spectroscopic nanorod-contrast photoacoustic mapping of sentinel lymph nodes. <i>European Journal of Radiology</i> , <b>2009</b> , 70, 227-31	4.7	105
645	Label-free bond-selective imaging by listening to vibrationally excited molecules. <i>Physical Review Letters</i> , <b>2011</b> , 106, 238106	7.4	105
644	Thermoacoustic and photoacoustic tomography of thick biological tissues toward breast imaging. <i>Technology in Cancer Research and Treatment</i> , <b>2005</b> , 4, 559-66	2.7	105



643	Hybrid model of Monte Carlo simulation and diffusion theory for light reflectance by turbid media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1993</b> , 10, 1746-52	1.8	104
642	Scanning microwave-induced thermoacoustic tomography: signal, resolution, and contrast. <i>Medical Physics</i> , <b>2001</b> , 28, 4-10	4.4	103
641	Compressed sensing in photoacoustic tomography in vivo. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 021311	3.5	102
640	In vivo carbon nanotube-enhanced non-invasive photoacoustic mapping of the sentinel lymph node. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 3291-301	3.8	102
639	A mouse optical simulation environment (MOSE) to investigate bioluminescent phenomena in the living mouse with the Monte Carlo method. <i>Academic Radiology</i> , <b>2004</b> , 11, 1029-38	4.3	102
638	Photoacoustic Brain Imaging: from Microscopic to Macroscopic Scales. <i>Neurophotonics</i> , <b>2014</b> , 1,	3.9	101
637	Measurement of tissue optical properties by the use of oblique-incidence optical fiber reflectometry. <i>Applied Optics</i> , <b>1997</b> , 36, 136-43	1.7	100
636	The influence of boundary conditions on the accuracy of diffusion theory in time-resolved reflectance spectroscopy of biological tissues. <i>Physics in Medicine and Biology</i> , <b>1995</b> , 40, 1957-75	3.8	100
635	Grueneisen relaxation photoacoustic microscopy. <i>Physical Review Letters</i> , <b>2014</b> , 113, 174301	7.4	97
634	In vivo volumetric imaging of subcutaneous microvasculature by photoacoustic microscopy. <i>Optics Express</i> , <b>2006</b> , 14, 9317-23	3.3	96
633	In-vivo photoacoustic microscopy of nanoshell extravasation from solid tumor vasculature. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 010507	3.5	95
632	Real-time photoacoustic tomography of cortical hemodynamics in small animals. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 010509	3.5	94
631	Thermoacoustic tomography with correction for acoustic speed variations. <i>Physics in Medicine and Biology</i> , <b>2006</b> , 51, 6437-48	3.8	94
630	Scanning thermoacoustic tomography in biological tissue. <i>Medical Physics</i> , <b>2000</b> , 27, 1195-202	4.4	94
629	Time-reversed adapted-perturbation (TRAP) optical focusing onto dynamic objects inside scattering media. <i>Nature Photonics</i> , <b>2014</b> , 8, 931-936	33.9	93
628	Graphene-based contrast agents for photoacoustic and thermoacoustic tomography. <i>Photoacoustics</i> , <b>2013</b> , 1, 62-67	9	93
627	Optical drug monitoring: photoacoustic imaging of nanosensors to monitor therapeutic lithium in vivo. <i>ACS Nano</i> , <b>2015</b> , 9, 1692-8	16.7	93
626	Noninvasive label-free imaging of microhemodynamics by optical-resolution photoacoustic microscopy. <i>Optics Express</i> , <b>2009</b> , 17, 7688-93	3.3	93

625	Half-time image reconstruction in thermoacoustic tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2005</b> , 24, 199-210	11.7	93
624	Noninvasive, in vivo imaging of blood-oxygenation dynamics within the mouse brain using photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 020502	3.5	92
623	In vivo photoacoustic microscopy with 7.6- $\mu$ m axial resolution using a commercial 125-MHz ultrasonic transducer. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 116016	3.5	92
622	Monte Carlo Modeling of Light Transport in Tissues <b>1995</b> , 73-100		92
621	In vivo photoacoustic mapping of lymphatic systems with plasmon-resonant nanostars. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 2841-2844		91
620	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , <b>2019</b> , 13, 609-615	33.9	90
619	Wide-field fast-scanning photoacoustic microscopy based on a water-immersible MEMS scanning mirror. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 080505-1	3.5	90
618	Near-infrared optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , <b>2014</b> , 39, 5192-5195	3	89
617	In vivo integrated photoacoustic and confocal microscopy of hemoglobin oxygen saturation and oxygen partial pressure. <i>Optics Letters</i> , <b>2011</b> , 36, 1029-31	3	89
616	Label-free photoacoustic nanoscopy. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 086006	3.5	87
615	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , <b>2017</b> , 4, 280-288	8.6	86
614	In vivo photoacoustic microscopy of human cutaneous microvasculature and a nevus. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 016015	3.5	86
613	Quantitative photoacoustic imaging: correcting for heterogeneous light fluence distributions using diffuse optical tomography. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 096016	3.5	85
612	A 2.5-mm diameter probe for photoacoustic and ultrasonic endoscopy. <i>Optics Express</i> , <b>2012</b> , 20, 23944-53,3	3.3	85
611	Curved array photoacoustic tomographic system for small animal imaging. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 024007	3.5	85
610	Optical-fiber-based Mueller optical coherence tomography. <i>Optics Letters</i> , <b>2003</b> , 28, 1206-8	3	85
609	Photoimprint photoacoustic microscopy for three-dimensional label-free subdiffraction imaging. <i>Physical Review Letters</i> , <b>2014</b> , 112, 014302	7.4	84
608	Effects of acoustic heterogeneity in breast thermoacoustic tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2003</b> , 50, 1134-46	3.2	84

607	Photoacoustic tomography of biological tissues with high cross-section resolution: reconstruction and experiment. <i>Medical Physics</i> , <b>2002</b> , 29, 2799-805	4.4	84
606	DNA-PKcs dependence of Artemis endonucleolytic activity, differences between hairpins and 5' or 3' overhangs. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 33900-9	5.4	83
605	On the speckle-free nature of photoacoustic tomography. <i>Medical Physics</i> , <b>2009</b> , 36, 4084-8	4.4	82
604	Photoacoustic sentinel lymph node imaging with self-assembled copper neodecanoate nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 1260-7	16.7	81
603	Molecular photoacoustic tomography with colloidal nanobeacons. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 4170-3	16.4	80
602	Reflection-mode submicron-resolution in vivo photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 020501	3.5	80
601	Ultralong photonic nanojet formed by a two-layer dielectric microsphere. <i>Optics Letters</i> , <b>2014</b> , 39, 4120-3		79
600	Pulsed-microwave-induced thermoacoustic tomography: filtered backprojection in a circular measurement configuration. <i>Medical Physics</i> , <b>2002</b> , 29, 1661-9	4.4	79
599	Labeling human mesenchymal stem cells with gold nanocages for in vitro and in vivo tracking by two-photon microscopy and photoacoustic microscopy. <i>Theranostics</i> , <b>2013</b> , 3, 532-43	12.1	78
598	Multifunctional microbubbles and nanobubbles for photoacoustic and ultrasound imaging. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 010510	3.5	78
597	In vivo quantitative evaluation of the transport kinetics of gold nanocages in a lymphatic system by noninvasive photoacoustic tomography. <i>ACS Nano</i> , <b>2011</b> , 5, 9658-67	16.7	78
596	Three-dimensional combined photoacoustic and optical coherence microscopy for in vivo microcirculation studies. <i>Optics Express</i> , <b>2009</b> , 17, 16450-5	3.3	78
595	Photoacoustic tomography through a whole adult human skull with a photon recycler. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 110506	3.5	77
594	Multicontrast photoacoustic in vivo imaging using near-infrared fluorescent proteins. <i>Scientific Reports</i> , <b>2014</b> , 4, 3939	4.9	76
593	Gold nanocages as contrast agents for photoacoustic imaging. <i>Contrast Media and Molecular Imaging</i> , <b>2011</b> , 6, 370-7	3.2	76
592	Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo. <i>Inverse Problems</i> , <b>2007</b> , 23, S113-S122 <sup>3</sup>		74
591	Mechanisms of ultrasonic modulation of multiply scattered coherent light: a Monte Carlo model. <i>Optics Letters</i> , <b>2001</b> , 26, 1191-3	3	74
590	Handheld photoacoustic microscopy to detect melanoma depth in vivo. <i>Optics Letters</i> , <b>2014</b> , 39, 4731-4	3	73

589	Performance benchmarks of an array-based hand-held photoacoustic probe adapted from a clinical ultrasound system for non-invasive sentinel lymph node imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2011</b> , 369, 4644-50	3	73
588	Ammonia chemisorption on gallium arsenide clusters. <i>Chemical Physics Letters</i> , <b>1990</b> , 172, 335-340	2.5	73
587	Intravital imaging of amyloid plaques in a transgenic mouse model using optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , <b>2009</b> , 34, 3899-901	3	72
586	Noise-equivalent sensitivity of photoacoustics. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 097003	3.5	71
585	Determination of local polarization properties of biological samples in the presence of diattenuation by use of Mueller optical coherence tomography. <i>Optics Letters</i> , <b>2004</b> , 29, 2402-4	3	70
584	A review of snapshot multidimensional optical imaging: measuring photon tags in parallel. <i>Physics Reports</i> , <b>2016</b> , 616, 1-37	27.7	69
583	Optical-resolution photoacoustic microscopy: auscultation of biological systems at the cellular level. <i>Biophysical Journal</i> , <b>2013</b> , 105, 841-7	2.9	69
582	Monkey brain cortex imaging by photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 044009	3.9	69
581	Polarized light propagation through scattering media: time-resolved Monte Carlo simulations and experiments. <i>Journal of Biomedical Optics</i> , <b>2003</b> , 8, 608-17	3.5	69
580	Ultrasound-modulated optical tomography of biological tissue by use of contrast of laser speckles. <i>Applied Optics</i> , <b>2002</b> , 41, 6030-5	1.7	69
579	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , <b>2017</b> , 8, 1386	17.4	68
578	Photoacoustic measurement of the Grüneisen parameter of tissue. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 17007	3.5	68
577	High-resolution ultrasound-modulated optical tomography in biological tissues. <i>Optics Letters</i> , <b>2004</b> , 29, 2770-2	3	68
576	Photoacoustic imaging of the microvasculature with a high-frequency ultrasound array transducer. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 010501	3.5	67
575	Rhesus monkey brain imaging through intact skull with thermoacoustic tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2006</b> , 53, 542-8	3.2	67
574	Monte Carlo model and single-scattering approximation of the propagation of polarized light in turbid media containing glucose. <i>Applied Optics</i> , <b>2002</b> , 41, 792-801	1.7	67
573	Theoretical and experimental studies of ultrasound-modulated optical tomography in biological tissue. <i>Applied Optics</i> , <b>2000</b> , 39, 659-64	1.7	67
572	Conditional HIF-1 induction produces multistage neovascularization with stage-specific sensitivity to VEGFR inhibitors and myeloid cell independence. <i>Blood</i> , <b>2011</b> , 117, 4142-53	2.2	66

571	Imaging acute thermal burns by photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 0540335	3.5	66
570	Limitations of quantitative photoacoustic measurements of blood oxygenation in small vessels. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 1349-61	3.8	66
569	Single-shot ultrafast optical imaging. <i>Optica</i> , <b>2018</b> , 5, 1113-1127	8.6	66
568	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700024	3.1	65
567	Enhancement of photoacoustic tomography by ultrasonic computed tomography based on optical excitation of elements of a full-ring transducer array. <i>Optics Letters</i> , <b>2013</b> , 38, 3140-3	3	65
566	Label-free photoacoustic microscopy of cytochromes. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 20504	3.5	65
565	Frequency-swept ultrasound-modulated optical tomography of scattering media. <i>Optics Letters</i> , <b>1998</b> , 23, 975-7	3	65
564	Hybrid-scanning optical-resolution photoacoustic microscopy for in vivo vasculature imaging. <i>Optics Letters</i> , <b>2010</b> , 35, 1521-3	3	64
563	Effects of acoustic heterogeneities on transcranial brain imaging with microwave-induced thermoacoustic tomography. <i>Medical Physics</i> , <b>2008</b> , 35, 3205-14	4.4	64
562	Photoacoustic microscopy of tyrosinase reporter gene in vivo. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 080503	3.5	62
561	Integrated photoacoustic and fluorescence confocal microscopy. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2010</b> , 57, 2576-8	5	61
560	The challenge of connecting the dots in the B.R.A.I.N. <i>Neuron</i> , <b>2013</b> , 80, 270-4	13.9	60
559	Investigation of neovascularization in three-dimensional porous scaffolds in vivo by a combination of multiscale photoacoustic microscopy and optical coherence tomography. <i>Tissue Engineering - Part C: Methods</i> , <b>2013</b> , 19, 196-204	2.9	60
558	Fiber-laser-based photoacoustic microscopy and melanoma cell detection. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 011014	3.5	59
557	Optical-resolution photoacoustic endomicroscopy in vivo. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 918-32	3.5	58
556	Contrast mechanisms in polarization-sensitive Mueller-matrix optical coherence tomography and application in burn imaging. <i>Applied Optics</i> , <b>2003</b> , 42, 5191-7	1.7	58
555	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. <i>Science Advances</i> , <b>2017</b> , 3, e1601814	14.3	57
554	Single-shot real-time femtosecond imaging of temporal focusing. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 42	16.7	57

553	Calibration-free absolute quantification of optical absorption coefficients using acoustic spectra in 3D photoacoustic microscopy of biological tissue. <i>Optics Letters</i> , <b>2010</b> , 35, 2067-9	3	57
552	Evans blue dye-enhanced capillary-resolution photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 054049	3.5	57
551	Neurovascular photoacoustic tomography. <i>Frontiers in Neuroenergetics</i> , <b>2010</b> , 2, 10		57
550	Aberration correction for transcranial photoacoustic tomography of primates employing adjunct image data. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 066016	3.5	56
549	Ultrasound-modulated optical tomography of absorbing objects buried in dense tissue-simulating turbid media. <i>Applied Optics</i> , <b>1997</b> , 36, 7277-82	1.7	56
548	Fast 3-D dark-field reflection-mode photoacoustic microscopy in vivo with a 30-MHz ultrasound linear array. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 054028	3.5	56
547	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. <i>Nature Communications</i> , <b>2018</b> , 9, 2734	17.4	55
546	Photoacoustic tomography of water in phantoms and tissue. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 036019	3.9	55
545	Performance characterization of an integrated ultrasound, photoacoustic, and thermoacoustic imaging system. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 056010	3.5	55
544	High-speed dynamic 3D photoacoustic imaging of sentinel lymph node in a murine model using an ultrasound array. <i>Medical Physics</i> , <b>2009</b> , 36, 3724-9	4.4	55
543	Ultrasonically encoded photoacoustic flowgraphy in biological tissue. <i>Physical Review Letters</i> , <b>2013</b> , 111, 204301	7.4	54
542	Three-dimensional photoacoustic tomography based on the focal-line concept. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 090505	3.5	54
541	Realtime photoacoustic microscopy in vivo with a 30-MHz ultrasound array transducer. <i>Optics Express</i> , <b>2008</b> , 16, 7915-28	3.3	54
540	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 066010	3.5	53
539	In vivo diagnosis of melanoma and nonmelanoma skin cancer using oblique incidence diffuse reflectance spectrometry. <i>Cancer Research</i> , <b>2012</b> , 72, 2738-45	10.1	53
538	Absolute photoacoustic thermometry in deep tissue. <i>Optics Letters</i> , <b>2013</b> , 38, 5228-5231	3	53
537	Transverse flow imaging based on photoacoustic Doppler bandwidth broadening. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 021304	3.5	53
536	In vivo photoacoustic tomography of mouse cerebral edema induced by cold injury. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 066020	3.5	53

535	Photoacoustic tomography of monkey brain using virtual point ultrasonic transducers. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 076005	3.5	53
534	Pulsed ultrasound-modulated optical tomography using spectral-hole burning as a narrowband spectral filter. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 11111	3.4	53
533	Frequency-swept ultrasound-modulated optical tomography in biological tissue by use of parallel detection. <i>Optics Letters</i> , <b>2000</b> , 25, 734-6	3	53
532	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. <i>Nature Communications</i> , <b>2017</b> , 8, 780	17.4	52
531	In vivo functional photoacoustic microscopy of cutaneous microvasculature in human skin. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 026004	3.5	52
530	Photoacoustic computed tomography correcting for heterogeneity and attenuation. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 061211	3.5	52
529	Chronic label-free volumetric photoacoustic microscopy of melanoma cells in three-dimensional porous scaffolds. <i>Biomaterials</i> , <b>2010</b> , 31, 8651-8	15.6	52
528	Comparison of human skin opto-thermal response to near-infrared and visible laser irradiations: a theoretical investigation. <i>Physics in Medicine and Biology</i> , <b>2004</b> , 49, 4861-77	3.8	52
527	On the horizontal-well pumping tests in anisotropic confined aquifers. <i>Journal of Hydrology</i> , <b>2001</b> , 252, 37-50	6	52
526	In vivo functional chronic imaging of a small animal model using optical-resolution photoacoustic microscopy. <i>Medical Physics</i> , <b>2009</b> , 36, 2320-3	4.4	51
525	Video-rate functional photoacoustic microscopy at depths. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 106007	3.5	51
524	Fully motorized optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , <b>2014</b> , 39, 2117-20	3	50
523	Multi-parametric quantitative microvascular imaging with optical-resolution photoacoustic microscopy in vivo. <i>Optics Express</i> , <b>2014</b> , 22, 1500-11	3.3	50
522	Tumor glucose metabolism imaged in vivo in small animals with whole-body photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 076012	3.5	50
521	Degree of polarization in laser speckles from turbid media: implications in tissue optics. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 307-12	3.5	50
520	Integrated optical- and acoustic-resolution photoacoustic microscopy based on an optical fiber bundle. <i>Optics Letters</i> , <b>2013</b> , 38, 52-54	3	49
519	In vivo imaging of epileptic activity using 2-NBDG, a fluorescent deoxyglucose analog. <i>Journal of Neuroscience Methods</i> , <b>2012</b> , 203, 136-40	3	48
518	Dependence of optical scattering from Intralipid in gelatin-gel based tissue-mimicking phantoms on mixing temperature and time. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 35002	3.5	48

517	Single-cell photoacoustic thermometry. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 26003	3.5	48
516	Double-illumination photoacoustic microscopy. <i>Optics Letters</i> , <b>2012</b> , 37, 659-61	3	48
515	Compressed-sensing photoacoustic computed tomography in vivo with partially known support. <i>Optics Express</i> , <b>2012</b> , 20, 16510	3.3	48
514	Optimal ultraviolet wavelength for in vivo photoacoustic imaging of cell nuclei. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 056004	3.5	47
513	Nonionizing photoacoustic cystography in vivo. <i>Optics Letters</i> , <b>2011</b> , 36, 3599-601	3	47
512	In vivo three-dimensional photoacoustic imaging based on a clinical matrix array ultrasound probe. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 061208	3.5	47
511	Recent progress in photoacoustic molecular imaging. <i>Current Opinion in Chemical Biology</i> , <b>2018</b> , 45, 104-112	4.12	46
510	Photoacoustic Microscopy in Tissue Engineering. <i>Materials Today</i> , <b>2013</b> , 16, 67-77	21.8	46
509	alphaVbeta3-targeted copper nanoparticles incorporating an Sn 2 lipase-labile fumagillin prodrug for photoacoustic neovascular imaging and treatment. <i>Theranostics</i> , <b>2015</b> , 5, 124-33	12.1	46
508	Photoacoustic microscopy with 2-microm transverse resolution. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 021302	3.5	46
507	Detection of ultrasound-modulated diffuse photons using spectral-hole burning. <i>Optics Express</i> , <b>2008</b> , 16, 14862-74	3.3	46
506	Skin cancer detection by spectroscopic oblique-incidence reflectometry: classification and physiological origins. <i>Applied Optics</i> , <b>2004</b> , 43, 2643-50	1.7	46
505	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 39616	4.9	46
504	Multimodal sentinel lymph node mapping with single-photon emission computed tomography (SPECT)/computed tomography (CT) and photoacoustic tomography. <i>Translational Research</i> , <b>2012</b> , 159, 175-81	11	45
503	Multifocal optical-resolution photoacoustic microscopy in vivo. <i>Optics Letters</i> , <b>2011</b> , 36, 1236-8	3	45
502	Ultrasound-array-based real-time photoacoustic microscopy of human pulsatile dynamics in vivo. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 021303	3.5	45
501	Multi-scale molecular photoacoustic tomography of gene expression. <i>PLoS ONE</i> , <b>2012</b> , 7, e43999	3.7	45
500	Propagation of polarized light in turbid media: simulated animation sequences. <i>Optics Express</i> , <b>2000</b> , 7, 198-203	3.3	45



499	Ultrasonically encoded wavefront shaping for focusing into random media. <i>Scientific Reports</i> , <b>2014</b> , 4, 3918	4.9	44
498	Label-free photoacoustic microscopy of peripheral nerves. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 160043.5	3.5	44
497	Catheter-based photoacoustic endoscope. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 066001	3.5	44
496	Optical clearing-aided photoacoustic microscopy with enhanced resolution and imaging depth. <i>Optics Letters</i> , <b>2013</b> , 38, 2592-5	3	44
495	Real-time four-dimensional optical-resolution photoacoustic microscopy with Au nanoparticle-assisted subdiffraction-limit resolution. <i>Optics Letters</i> , <b>2011</b> , 36, 1137-9	3	44
494	Multiscale photoacoustic microscopy of single-walled carbon nanotube-incorporated tissue engineering scaffolds. <i>Tissue Engineering - Part C: Methods</i> , <b>2012</b> , 18, 310-7	2.9	44
493	Optimum pulse duration and radiant exposure for vascular laser therapy of dark port-wine skin: a theoretical study. <i>Applied Optics</i> , <b>2003</b> , 42, 1367-78	1.7	44
492	Special Section Guest Editorial. <i>Journal of Biomedical Optics</i> , <b>2002</b> , 7, 278	3.5	44
491	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed in vivo. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 961-967	3.1	43
490	Plasmonics-enhanced and optically modulated delivery of gold nanostars into brain tumor. <i>Nanoscale</i> , <b>2014</b> , 6, 4078-82	7.7	43
489	Photoacoustic and optical coherence tomography of epilepsy with high temporal and spatial resolution and dual optical contrasts. <i>Journal of Neuroscience Methods</i> , <b>2013</b> , 216, 142-5	3	43
488	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. <i>Contrast Media and Molecular Imaging</i> , <b>2011</b> , 6, 378-88	3.2	43
487	Noninvasive photoacoustic microscopy of living cells in two and three dimensions through enhancement by a metabolite dye. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7359-63	16.4	43
486	Noninvasive, in vivo imaging of the mouse brain using photoacoustic microscopy. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 102027	2.5	43
485	Photoacoustic microscopy of microvascular responses to cortical electrical stimulation. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 076002	3.5	43
484	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 36	16.7	42
483	Effects of light scattering on optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 126014	3.5	42
482	White light oblique incidence reflectometer formeasuring absorption and reduced scatteringspectra of tissue-like turbid media. <i>Optics Express</i> , <b>1997</b> , 1, 454-60	3.3	42

481	Simultaneous imaging of a lacZ-marked tumor and microvasculature morphology in vivo by dual-wavelength photoacoustic microscopy. <i>Journal of Innovative Optical Health Sciences</i> , <b>2008</b> , 1, 207-215	1.2	42
480	Microwave-induced thermoacoustic tomography using multi-sector scanning. <i>Medical Physics</i> , <b>2001</b> , 28, 1958-63	4.4	42
479	Improving limited-view photoacoustic tomography with an acoustic reflector. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 110505	3.5	41
478	High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 381-391	19	40
477	Handheld optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41002	3.5	40
476	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 1370-1372	4.3	39
475	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6cm in thickness with digital optical phase conjugation. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 85001	3.5	39
474	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. <i>Scientific Reports</i> , <b>2017</b> , 7, 2560	4.9	39
473	A brief account of nanoparticle contrast agents for photoacoustic imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2013</b> , 5, 517-43	9.2	39
472	Effects of different imaging models on least-squares image reconstruction accuracy in photoacoustic tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 1781-90	11.7	39
471	Temperature distribution in selective laser-tissue interaction. <i>Journal of Biomedical Optics</i> , <b>2006</b> , 11, 34031	3.5	39
470	A born-type approximation method for bioluminescence tomography. <i>Medical Physics</i> , <b>2006</b> , 33, 679-86	4.4	39
469	Photoacoustic Doppler flow measurement in optically scattering media. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 264103	3.4	39
468	Single-shot ultrafast imaging attaining 70 trillion frames per second. <i>Nature Communications</i> , <b>2020</b> , 11, 2091	17.4	38
467	Tangential resolution improvement in thermoacoustic and photoacoustic tomography using a negative acoustic lens. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 024028	3.5	38
466	Slow light for deep tissue imaging with ultrasound modulation. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 131102-4	3.4	38
465	Source of error in calculation of optical diffuse reflectance from turbid media using diffusion theory. <i>Computer Methods and Programs in Biomedicine</i> , <b>2000</b> , 61, 163-70	6.9	38
464	Space- and intensity-constrained reconstruction for compressed ultrafast photography. <i>Optica</i> , <b>2016</b> , 3, 694-697	8.6	38

463	Multiscale Functional and Molecular Photoacoustic Tomography. <i>Ultrasonic Imaging</i> , <b>2016</b> , 38, 44-62	1.9	37
462	Focusing light through scattering media by full-polarization digital optical phase conjugation. <i>Optics Letters</i> , <b>2016</b> , 41, 1130-3	3	37
461	Calibration-free quantification of absolute oxygen saturation based on the dynamics of photoacoustic signals. <i>Optics Letters</i> , <b>2013</b> , 38, 2800-3	3	37
460	In vivo deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 016019	3.5	36
459	Virus-mimicking nano-constructs as a contrast agent for near infrared photoacoustic imaging. <i>Nanoscale</i> , <b>2013</b> , 5, 1772-6	7.7	36
458	Picosecond absorption relaxation measured with nanosecond laser photoacoustics. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 163701	3.4	36
457	Universal back-projection algorithm for photoacoustic computed tomography <b>2005</b> , 5697, 251		36
456	Ultrasonic modulation of multiply scattered coherent light: an analytical model for anisotropically scattering media. <i>Physical Review E</i> , <b>2002</b> , 66, 026603	2.4	36
455	In vivo imaging and characterization of hypoxia-induced neovascularization and tumor invasion. <i>International Journal of Oncology</i> , <b>2007</b> , 30, 45-54	1	36
454	Snapshot Photoacoustic Topography Through an Ergodic Relay for High-throughput Imaging of Optical Absorption. <i>Nature Photonics</i> , <b>2020</b> , 14, 164-170	33.9	35
453	Label-free photoacoustic tomography of whole mouse brain structures. <i>Neurophotonics</i> , <b>2016</b> , 3, 035001	3.9	35
452	Single-exposure optical focusing inside scattering media using binarized time-reversed adapted perturbation. <i>Optica</i> , <b>2015</b> , 2, 869-876	8.6	35
451	Photoacoustic tomography imaging and estimation of oxygen saturation of hemoglobin in ocular tissue of rabbits. <i>Experimental Eye Research</i> , <b>2015</b> , 138, 153-8	3.7	34
450	Intracellular temperature mapping with fluorescence-assisted photoacoustic-thermometry. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 193705	3.4	34
449	Photoacoustic thermography of tissue. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 026003	3.5	34
448	In-vivo characterization of optical properties of pigmented skin lesions including melanoma using oblique incidence diffuse reflectance spectrometry. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 020501	3.5	34
447	Optimal beam size for light delivery to absorption-enhanced tumors buried in biological tissues and effect of multiple-beam delivery: a Monte Carlo study. <i>Applied Optics</i> , <b>1997</b> , 36, 8286-91	1.7	34
446	Fiber-based polarization-sensitive Mueller matrix optical coherence tomography with continuous source polarization modulation. <i>Applied Optics</i> , <b>2005</b> , 44, 5463-7	1.7	34

445	Microwave-induced thermoacoustic tomography: reconstruction by synthetic aperture. <i>Medical Physics</i> , <b>2001</b> , 28, 2427-31	4.4	34
444	Wide-field two-dimensional multifocal optical-resolution photoacoustic-computed microscopy. <i>Optics Letters</i> , <b>2013</b> , 38, 5236-9	3	33
443	Reflection-mode time-reversed ultrasonically encoded optical focusing into turbid media. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 080505	3.5	33
442	Correlation transfer and diffusion of ultrasound-modulated multiply scattered light. <i>Physical Review Letters</i> , <b>2006</b> , 96, 163902	7.4	33
441	Intense acoustic bursts as a signal-enhancement mechanism in ultrasound-modulated optical tomography. <i>Optics Letters</i> , <b>2006</b> , 31, 2423-5	3	33
440	Quantitative photoacoustic microscopy of optical absorption coefficients from acoustic spectra in the optical diffusive regime. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 066011	3.5	32
439	A facile synthesis of novel self-assembled gold nanorods designed for near-infrared imaging. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 8118-23	1.3	32
438	Absorption distribution of an optical beam focused into a turbid medium. <i>Applied Optics</i> , <b>1999</b> , 38, 4951-87		32
437	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41004	3.5	31
436	Single-wavelength functional photoacoustic microscopy in biological tissue. <i>Optics Letters</i> , <b>2011</b> , 36, 769-71	3	31
435	In vivo optical-resolution photoacoustic computed tomography with compressed sensing. <i>Optics Letters</i> , <b>2012</b> , 37, 4573-5	3	31
434	Imaging optically scattering objects with ultrasound-modulated optical tomography. <i>Optics Letters</i> , <b>2007</b> , 32, 2351-3	3	31
433	Modulation of multiply scattered coherent light by ultrasonic pulses: an analytical model. <i>Physical Review E</i> , <b>2005</b> , 72, 036620	2.4	31
432	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometer-Sized Polymer Beads. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 764-770	15.6	30
431	Integrated photoacoustic, confocal, and two-photon microscope. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 36002	3.5	30
430	Calibration-free in vivo transverse blood flowmetry based on cross correlation of slow time profiles from photoacoustic microscopy. <i>Optics Letters</i> , <b>2013</b> , 38, 3882-5	3	30
429	Functional photoacoustic microscopy of diabetic vasculature. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 060502	3.92	30
428	Image distortion in thermoacoustic tomography caused by microwave diffraction. <i>Physical Review E</i> , <b>2008</b> , 77, 031923	2.4	30

427	Optimized radial and angular positions in Monte Carlo modeling. <i>Medical Physics</i> , <b>1994</b> , 21, 1081-3	4.4	30
426	Three-dimensional photoacoustic endoscopic imaging of the rabbit esophagus. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120269	3.7	30
425	Photoacoustic elastography. <i>Optics Letters</i> , <b>2016</b> , 41, 725-8	3	29
424	Non-invasive and in situ characterization of the degradation of biomaterial scaffolds by volumetric photoacoustic microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 184-8	16.4	29
423	Encrypted Three-dimensional Dynamic Imaging using Snapshot Time-of-flight Compressed Ultrafast Photography. <i>Scientific Reports</i> , <b>2015</b> , 5, 15504	4.9	29
422	Detection, mapping, and quantification of single walled carbon nanotubes in histological specimens with photoacoustic microscopy. <i>PLoS ONE</i> , <b>2012</b> , 7, e35064	3.7	29
421	Photoacoustic tomography of foreign bodies in soft biological tissue. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 046017	3.5	29
420	Label-free photoacoustic microscopy of myocardial sheet architecture. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 060506	3.5	29
419	M-mode photoacoustic particle flow imaging. <i>Optics Letters</i> , <b>2009</b> , 34, 671-3	3	29
418	Immediate alterations in intestinal oxygen saturation and blood flow after massive small bowel resection as measured by photoacoustic microscopy. <i>Journal of Pediatric Surgery</i> , <b>2012</b> , 47, 1143-9	2.6	28
417	Section-illumination photoacoustic microscopy for dynamic 3D imaging of microcirculation in vivo. <i>Optics Letters</i> , <b>2010</b> , 35, 1482-4	3	28
416	In vivo photoacoustic tomography of total blood flow and potential imaging of cancer angiogenesis and hypermetabolism. <i>Technology in Cancer Research and Treatment</i> , <b>2012</b> , 11, 301-7	2.7	28
415	High-numerical-aperture-based virtual point detectors for photoacoustic tomography. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 33902	3.4	28
414	Bessel-beam Grueneisen relaxation photoacoustic microscopy with extended depth of field. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 116002	3.5	27
413	Noninvasive photoacoustic imaging of the thoracic cavity and the kidney in small and large animals. <i>Medical Physics</i> , <b>2008</b> , 35, 4524-9	4.4	27
412	Urogenital photoacoustic endoscope. <i>Optics Letters</i> , <b>2014</b> , 39, 1473-1476	3	26
411	Multi-view optical resolution photoacoustic microscopy. <i>Optica</i> , <b>2014</b> , 1, 217-222	8.6	26
410	Retrospective respiration-gated whole-body photoacoustic computed tomography of mice. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 16003	3.5	26

409	Focused fluorescence excitation with time-reversed ultrasonically encoded light and imaging in thick scattering media. <i>Laser Physics Letters</i> , <b>2013</b> , 10, 075604	1.5	26
408	Saturation effect in functional photoacoustic imaging. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 021317	3.5	26
407	Förster resonance energy transfer photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 086007	3.5	26
406	Photoacoustic microscopy of blood pulse wave. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 070504	3.5	26
405	Negative lens concept for photoacoustic tomography. <i>Physical Review E</i> , <b>2008</b> , 78, 021901	2.4	26
404	Photorefractive detection of tissue optical and mechanical properties by ultrasound modulated optical tomography. <i>Optics Letters</i> , <b>2007</b> , 32, 656-8	3	26
403	In vivo three-dimensional photoacoustic tomography of a whole mouse head. <i>Optics Letters</i> , <b>2006</b> , 31, 2453-5	3	26
402	Methods for parallel-detection-based ultrasound-modulated optical tomography. <i>Applied Optics</i> , <b>2002</b> , 41, 2079-84	1.7	26
401	Rapid modeling of diffuse reflectance of light in turbid slabs. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1998</b> , 15, 936-44	1.8	26
400	Bit-efficient, sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media. <i>Optics Letters</i> , <b>2016</b> , 41, 1321-4	3	25
399	Quantitative analysis of the fate of gold nanocages in vitro and in vivo after uptake by U87-MG tumor cells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1152-5	16.4	25
398	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 201108	3.4	25
397	Random-access optical-resolution photoacoustic microscopy using a digital micromirror device. <i>Optics Letters</i> , <b>2013</b> , 38, 2683-6	3	25
396	Functional photoacoustic microscopy of pH. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 100503	3.5	25
395	Adaptive and robust methods of reconstruction (ARMOR) for thermoacoustic tomography. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2008</b> , 55, 2741-52	5	25
394	Boundary conditions in photoacoustic tomography and image reconstruction. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 014027	3.5	25
393	Polarized light transmission through skin using video reflectometry: toward optical tomography of superficial tissue layers <b>1996</b> , 2671, 199		25
392	A Constrained Variable Projection Reconstruction Method for Photoacoustic Computed Tomography Without Accurate Knowledge of Transducer Responses. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 2443-58	11.7	24

391	Microvascular quantification based on contour-scanning photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 96011	3.5	24
390	Photoacoustic microscopy of bilirubin in tissue phantoms. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 126019	3.5	24
389	Time-reversed ultrasonically encoded optical focusing in biological tissue. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 030506	3.5	24
388	Photoacoustic computed tomography of human extremities. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1-8	3.5	24
387	Angular-spectrum modeling of focusing light inside scattering media by optical phase conjugation. <i>Optica</i> , <b>2019</b> , 6, 250-256	8.6	24
386	Rapid synthesis of near infrared polymeric micelles for real-time sentinel lymph node imaging. <i>Advanced Healthcare Materials</i> , <b>2012</b> , 1, 582-9	10.1	23
385	Photoacoustic tomography of small animal brain with a curved array transducer. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 054007	3.5	23
384	Ultrasound-modulated optical computed tomography of biological tissues. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1597-1599	3.4	23
383	Propagation of polarized light in birefringent turbid media: time-resolved simulations. <i>Optics Express</i> , <b>2001</b> , 9, 254-9	3.3	23
382	Particle sizing in concentrated suspensions by use of steady-state, continuous-wave photon-migration techniques. <i>Optics Letters</i> , <b>1998</b> , 23, 394-6	3	23
381	Single-shot compressed ultrafast photography: a review. <i>Advanced Photonics</i> , <b>2020</b> , 2, 1	8.1	23
380	Parameterized joint reconstruction of the initial pressure and sound speed distributions for photoacoustic computed tomography. <i>SIAM Journal on Imaging Sciences</i> , <b>2018</b> , 11, 1560-1588	1.9	22
379	Amplitude-masked photoacoustic wavefront shaping and application in flowmetry. <i>Optics Letters</i> , <b>2014</b> , 39, 5499-502	3	22
378	Photoacoustic lymphatic imaging with high spatial-temporal resolution. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 116009	3.5	22
377	Fast and robust deconvolution-based image reconstruction for photoacoustic tomography in circular geometry: experimental validation. <i>IEEE Photonics Journal</i> , <b>2010</b> , 2, 57-66	1.8	22
376	Ultrasound-modulated optical tomography with intense acoustic bursts. <i>Applied Optics</i> , <b>2007</b> , 46, 1615-23	7	22
375	Ultrasonic-heating-encoded photoacoustic tomography with virtually augmented detection view. <i>Optica</i> , <b>2015</b> , 2, 307-312	8.6	21
374	Nonlinear photoacoustic spectroscopy of hemoglobin. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 203701	3.4	21

373	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 76017	3.5	21
372	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , <b>2021</b> ,	19	21
371	High-speed photoacoustic microscopy of mouse cortical microhemodynamics. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 792-798	3.1	20
370	In vivo label-free functional photoacoustic monitoring of ischemic reperfusion. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800454	3.1	20
369	Joint Reconstruction of Absorbed Optical Energy Density and Sound Speed Distributions in Photoacoustic Computed Tomography: A Numerical Investigation. <i>IEEE Transactions on Computational Imaging</i> , <b>2016</b> , 2, 136-149	4.5	20
368	Reflection-mode multifocal optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 030501	3.5	20
367	Cross-correlation-based transverse flow measurements using optical resolution photoacoustic microscopy with a digital micromirror device. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 096004	3.5	20
366	Time-reversed ultrasonically encoded optical focusing into tissue-mimicking media with thickness up to 70 mean free paths. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 086009	3.5	20
365	In vivo burn imaging using Mueller optical coherence tomography. <i>Optics Express</i> , <b>2008</b> , 16, 10279-84	3.3	20
364	Weighted expectation maximization reconstruction algorithms for thermoacoustic tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2005</b> , 24, 817-20	11.7	20
363	Signal processing in scanning thermoacoustic tomography in biological tissues. <i>Medical Physics</i> , <b>2001</b> , 28, 1519-24	4.4	20
362	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. <i>Optics Letters</i> , <b>2018</b> , 43, 4875-4878	3.4	20
361	In vivo photoacoustic microscopy of human cuticle microvasculature with single-cell resolution. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 56004	3.5	20
360	Optimizing codes for compressed ultrafast photography by the genetic algorithm. <i>Optica</i> , <b>2018</b> , 5, 147	8.6	19
359	A forward-adjoint operator pair based on the elastic wave equation for use in transcranial photoacoustic computed tomography. <i>SIAM Journal on Imaging Sciences</i> , <b>2017</b> , 10, 2022-2048	1.9	19
358	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. <i>Optica</i> , <b>2017</b> , 4, 97-102	8.6	19
357	In vivo photoacoustic tomography of myoglobin oxygen saturation. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 61002	3.5	19
356	Continuous scanning of a time-reversed ultrasonically encoded optical focus by reflection-mode digital phase conjugation. <i>Optics Letters</i> , <b>2014</b> , 39, 3441-4	3	19



355	Calibration-free absolute quantification of particle concentration by statistical analyses of photoacoustic signals in vivo. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 37001	3.5	19
354	Automatic algorithm for skin profile detection in photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 024050	3.5	19
353	Multi-optical-wavelength ultrasound-modulated optical tomography: a phantom study. <i>Optics Letters</i> , <b>2007</b> , 32, 2285-7	3	19
352	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. <i>Nature Communications</i> , <b>2021</b> , 12, 882	17.4	19
351	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. <i>Science Advances</i> , <b>2020</b> , 6, eaay1192	14.3	18
350	Label-free cell nuclear imaging by Gröben relaxation photoacoustic microscopy. <i>Optics Letters</i> , <b>2018</b> , 43, 947-950	3	18
349	Spatially Fourier-encoded photoacoustic microscopy using a digital micromirror device. <i>Optics Letters</i> , <b>2014</b> , 39, 430-3	3	18
348	Ultrasound-modulated optical tomography at new depth. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 066006	3.5	18
347	A 3-D high-frequency array based 16 channel photoacoustic microscopy system for in vivo micro-vascular imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 1190-7	11.7	18
346	Dependence of photoacoustic speckles on boundary roughness. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 046009	3.5	18
345	Optical fluence distribution study in tissue in dark-field confocal photoacoustic microscopy using a modified Monte Carlo convolution method. <i>Applied Optics</i> , <b>2009</b> , 48, 3204-11	0.2	18
344	Ultrasonic Modulation of Scattered Light in Turbid Media and a Potential Novel Tomography in Biomedicine. <i>Photochemistry and Photobiology</i> , <b>1998</b> , 67, 41-49	3.6	18
343	Stochastic explanation of speckle contrast detection in ultrasound-modulated optical tomography. <i>Physical Review E</i> , <b>2006</b> , 73, 061920	2.4	18
342	Formulation of photon diffusion from spherical bioluminescent sources in an infinite homogeneous medium. <i>BioMedical Engineering OnLine</i> , <b>2004</b> , 3, 12	4.1	18
341	Sonoluminescent tomography of strongly scattering media. <i>Optics Letters</i> , <b>1998</b> , 23, 561-3	3	18
340	Error estimation of measuring total interaction coefficients of turbid media using collimated light transmission. <i>Physics in Medicine and Biology</i> , <b>1994</b> , 39, 2349-54	3.8	18
339	Transvaginal fast-scanning optical-resolution photoacoustic endoscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-4	3.5	18
338	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 231106	3.4	18

337	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 053701	3.4	17
336	Mitigation of artifacts due to isolated acoustic heterogeneities in photoacoustic computed tomography using a variable data truncation-based reconstruction method. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41018	3.5	17
335	Fast spatiotemporal image reconstruction based on low-rank matrix estimation for dynamic photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 056007	3.5	17
334	Ultrasound-heated photoacoustic flowmetry. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 117003	3.5	17
333	Noninvasive Photoacoustic Microscopy of Living Cells in Two and Three Dimensions through Enhancement by a Metabolite Dye. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7497-7501	3.6	17
332	Photoacoustic tomography of the mouse cerebral cortex with a high-numerical-aperture-based virtual point detector. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 024047	3.5	17
331	Numerical investigation of the effects of shear waves in transcranial photoacoustic tomography with a planar geometry. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 061215	3.5	17
330	Ring-based ultrasonic virtual point detector with applications to photoacoustic tomography. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 251103	3.4	17
329	Synchronous self-elimination of autocorrelation interference in Fourier-domain optical coherence tomography. <i>Optics Letters</i> , <b>2005</b> , 30, 2939-41	3	17
328	Correlation transfer equation for ultrasound-modulated multiply scattered light. <i>Physical Review E</i> , <b>2006</b> , 74, 036618	2.4	17
327	Effect of molecular concentrations in tissue-simulating phantoms on images obtained using diffuse reflectance polarimetry. <i>Optics Express</i> , <b>1998</b> , 3, 286-97	3.3	17
326	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-6	3.5	17
325	Physical picture of the optical memory effect. <i>Photonics Research</i> , <b>2019</b> , 7, 1323	6	17
324	Slow-sound photoacoustic microscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 163702	3.4	16
323	Optical-resolution photoacoustic microscopy for volumetric and spectral analysis of histological and immunochemical samples. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 8099-103	16.4	16
322	Gold nanocages for cancer imaging and therapy. <i>Methods in Molecular Biology</i> , <b>2010</b> , 624, 83-99	1.4	16
321	Energy enhancement in time-reversed ultrasonically encoded optical focusing using a photorefractive polymer. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 080507-1	3.5	16
320	Skin lesion classification using oblique-incidence diffuse reflectance spectroscopic imaging. <i>Applied Optics</i> , <b>2002</b> , 41, 182-92	1.7	16

3 <sup>19</sup>	Photoacoustic tomography of vascular compliance in humans. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 126008	3.5	15
3 <sup>18</sup>	Handheld photoacoustic tomography probe built using optical-fiber parallel acoustic delay lines. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 086007	3.5	15
3 <sup>17</sup>	High-sensitivity ultrasound-modulated optical tomography with a photorefractive polymer. <i>Optics Letters</i> , <b>2013</b> , 38, 899-901	3	15
3 <sup>16</sup>	Transcranial thermoacoustic tomography: a comparison of two imaging algorithms. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 289-94	11.7	15
3 <sup>15</sup>	Ultrasound-modulated optical microscopy. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 054046	3.5	15
3 <sup>14</sup>	Correlation transfer equation for multiply scattered light modulated by an ultrasonic pulse. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2007</b> , 24, 2797-806	1.8	15
3 <sup>13</sup>	Direct measurement of hypoxia in a xenograft multiple myeloma model by optical-resolution photoacoustic microscopy. <i>Cancer Biology and Therapy</i> , <b>2017</b> , 18, 101-105	4.6	14
3 <sup>12</sup>	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3535-3547	11.7	14
3 <sup>11</sup>	Hybridized wavefront shaping for high-speed, high-efficiency focusing through dynamic diffusive media. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 121502	3.5	14
3 <sup>10</sup>	Quantitative photoacoustic elastography in humans. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 66011	3.5	14
3 <sup>09</sup>	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , <b>2018</b> , 5, 495-501	8.6	14
3 <sup>08</sup>	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 063703	3.4	14
3 <sup>07</sup>	In vivo optically encoded photoacoustic flowgraphy. <i>Optics Letters</i> , <b>2014</b> , 39, 3814-7	3	14
3 <sup>06</sup>	Microcirculatory changes identified by photoacoustic microscopy in patients with complex regional pain syndrome type I after stellate ganglion blocks. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 086017	3.5	14
3 <sup>05</sup>	Optical-resolution photoacoustic microscopy of ischemic stroke <b>2011</b> ,		14
3 <sup>04</sup>	Seeing it through: translational validation of new medical imaging modalities. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 764-76	3.5	14
3 <sup>03</sup>	Spectrally encoded photoacoustic microscopy using a digital mirror device. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 066020	3.5	14
3 <sup>02</sup>	Spectral-domain optical coherence tomography: Removal of autocorrelation using an optical switch. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 111115	3.4	14

301	Single-shot stereo-polarimetric compressed ultrafast photography for light-speed observation of high-dimensional optical transients with picosecond resolution. <i>Nature Communications</i> , <b>2020</b> , 11, 5252	17.4	14
300	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. <i>Science Advances</i> , <b>2019</b> , 5, eaay1211	14.3	14
299	Synthetic Bessel light needle for extended depth-of-field microscopy. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 181104	3.4	14
298	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. <i>Science Advances</i> , <b>2020</b> , 6, eaay6200	14.3	13
297	A water-immersible 2-axis scanning mirror microsystem for ultrasound and photoacoustic microscopic imaging applications. <i>Microsystem Technologies</i> , <b>2013</b> , 19, 577-582	1.7	13
296	Parallel acoustic delay lines for photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2012</b> , 17, 1160195	3.5	13
295	Imaging of high-intensity focused ultrasound-induced lesions in soft biological tissue using thermoacoustic tomography. <i>Medical Physics</i> , <b>2005</b> , 32, 5-11	4.4	13
294	Two-dimensional imaging of dense tissue-simulating turbid media by use of sonoluminescence. <i>Applied Optics</i> , <b>1999</b> , 38, 246-52	1.7	13
293	High-speed, sparse-sampling three-dimensional photoacoustic computed tomography in vivo based on principal component analysis. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 76007	3.5	13
292	Compressed ultrafast photography by multi-encoding imaging. <i>Laser Physics Letters</i> , <b>2018</b> , 15, 116202	1.5	13
291	Comparative Effects of Linearly and Circularly Polarized Illumination on Microwave-Induced Thermoacoustic Tomography. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1593-1596	3.8	12
290	Spatio-temporal-spectral imaging of non-repeatable dissipative soliton dynamics. <i>Nature Communications</i> , <b>2020</b> , 11, 2059	17.4	12
289	Correcting the limited view in optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700196	3.1	12
288	Deep-tissue photoacoustic tomography of Förster resonance energy transfer. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 101316	3.5	12
287	Structured-illumination photoacoustic Doppler flowmetry of axial flow in homogeneous scattering media. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 94101	3.4	12
286	Wave of single-impulse-stimulated fast initial dip in single vessels of mouse brains imaged by high-speed functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-11	3.5	12
285	Harnessing a multi-dimensional fibre laser using genetic wavefront shaping. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 149	16.7	12
284	Dry coupling for whole-body small-animal photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41017	3.5	11

283	Noninvasive photoacoustic microscopy of methemoglobin in vivo. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 036007	3.5	11
282	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 1848-1853	3.2	11
281	Grueneisen relaxation photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 66005	3.5	11
280	Photothermal bleaching in time-lapse photoacoustic microscopy. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 543-8	3.1	11
279	Three-dimensional optical-resolution photoacoustic microscopy. <i>Journal of Visualized Experiments</i> , <b>2011</b> ,	1.6	11
278	Micromachined Fiber Optical Sensor for In Vivo Measurement of Optical Properties of Human Skin. <i>IEEE Sensors Journal</i> , <b>2008</b> , 8, 1698-1703	4	11
277	Optical phantoms for ultrasound-modulated optical tomography <b>2008</b> ,		11
276	Technical considerations in quantitative blood oxygenation measurement using photoacoustic microscopy in vivo <b>2006</b> , 6086, 215		11
275	Optical-thermal simulation of tonsillar tissue irradiation. <i>Lasers in Surgery and Medicine</i> , <b>2001</b> , 28, 313-9	3.6	11
274	Measurement and calculation of the two-dimensional backscattering Mueller matrix of a turbid medium: errata. <i>Optics Letters</i> , <b>1998</b> , 23, 1630	3	11
273	Biological laser action. <i>Applied Optics</i> , <b>1996</b> , 35, 1775-9	1.7	11
272	Frontiers in Biophotonics for Translational Medicine. <i>Progress in Optical Science and Photonics</i> , <b>2016</b> ,	0.3	11
271	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 135	16.7	11
270	Microwave-induced thermoacoustic tomography through an adult human skull. <i>Medical Physics</i> , <b>2019</b> , 46, 1793-1797	4.4	11
269	Iterative image reconstruction in transcranial photoacoustic tomography based on the elastic wave equation. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 055009	3.8	10
268	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue ex vivo and a whole mouse body in vivo. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41003	3.5	10
267	Seeing Through the Surface: Non-invasive Characterization of Biomaterial-Tissue Interactions Using Photoacoustic Microscopy. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 649-66	4.7	10
266	Multiple-source optical diffusion approximation for a multilayer scattering medium. <i>Applied Optics</i> , <b>2007</b> , 46, 6004-9	1.7	10

265	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-8	3.5	10
264	Tripling the detection view of high-frequency linear-array-based photoacoustic computed tomography by using two planar acoustic reflectors. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2015</b> , 5, 57-62	3.6	10
263	Transcranial photoacoustic computed tomography based on a layered back-projection method. <i>Photoacoustics</i> , <b>2020</b> , 20, 100213	9	9
262	Fabrication of Cell Patches Using Biodegradable Scaffolds with a Hexagonal Array of Interconnected Pores (SHAIPs). <i>Polymer</i> , <b>2014</b> , 55, 445-452	3.9	9
261	Deep-Tissue Photoacoustic Tomography of a Genetically Encoded Near-Infrared Fluorescent Probe. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1477-1480	3.6	9
260	Time-reversed ultrasonically encoded optical focusing using two ultrasonic transducers for improved ultrasonic axial resolution. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 110502	3.5	9
259	Ex vivo blood vessel imaging using ultrasound-modulated optical microscopy. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 014015	3.5	9
258	Noninvasive functional photoacoustic tomography of blood-oxygen saturation in the brain <b>2004</b> , 5320, 69		9
257	Transmission- and side-detection configurations in ultrasound-modulated optical tomography of thick biological tissues. <i>Applied Optics</i> , <b>2003</b> , 42, 4088-94	1.7	9
256	Signal dependence and noise source in ultrasound-modulated optical tomography. <i>Applied Optics</i> , <b>2004</b> , 43, 1320-6	1.7	9
255	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients in vivo. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-17	3.5	9
254	Photo acoustic tomography. <i>Scholarpedia Journal</i> , <b>2014</b> , 9, 10278	1.5	9
253	Three-dimensional arbitrary trajectory scanning photoacoustic microscopy. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 303-8	3.1	8
252	Nonlinear light-sheet fluorescence microscopy by photobleaching imprinting. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20130851	4.1	8
251	Analysis of the potential for non-invasive imaging of oxygenation at heart depth, using ultrasound optical tomography (UOT) or photo-acoustic tomography (PAT). <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4523-4536	3.5	8
250	Reversibly switchable fluorescence microscopy with enhanced resolution and image contrast. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 086018	3.5	8
249	Spectral hole burning for ultrasound-modulated optical tomography of thick tissue. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 066018	3.5	8
248	Optical-resolution photoacoustic microscopy of angiogenesis in a transgenic mouse model <b>2010</b> ,		8

247	Optical-resolution confocal photoacoustic microscopy <b>2008</b> ,		8
246	Sentinel lymph node detection ex vivo using ultrasound-modulated optical tomography. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 020507	3.5	8
245	Photoacoustic tomography of a rat cerebral cortex with a ring-based ultrasonic virtual point detector. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 060507	3.5	8
244	In vivo imaging and characterization of hypoxia-induced neovascularization and tumor invasion <b>2007</b> , 30, 45		8
243	Recent Advances in Photoacoustic Tomography. <i>BME Frontiers</i> , <b>2021</b> , 2021, 1-17	4.4	8
242	Photoacoustic computed tomography for functional human brain imaging [Invited]. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4056-4083	3.5	8
241	Integration of Multitargeted Polymer-Based Contrast Agents with Photoacoustic Computed Tomography: An Imaging Technique to Visualize Breast Cancer Intratumor Heterogeneity. <i>ACS Nano</i> , <b>2021</b> , 15, 2413-2427	16.7	8
240	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 20501	3.5	7
239	Multiscale Photoacoustic Tomography. <i>Optics and Photonics News</i> , <b>2018</b> , 29, 32	1.9	7
238	Dual-polarization analog optical phase conjugation for focusing light through scattering media. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 231104	3.4	7
237	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 221109	3.4	7
236	Analog time-reversed ultrasonically encoded light focusing inside scattering media with a 33,000 $\times$ optical power gain. <i>Scientific Reports</i> , <b>2015</b> , 5, 8896	4.9	7
235	Calibration-free structured-illumination photoacoustic flowgraphy of transverse flow in scattering media. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 046007	3.5	7
234	Breakthrough in Photonics 2013: Photoacoustic Tomography in Biomedicine. <i>IEEE Photonics Journal</i> , <b>2014</b> , 6,	1.8	7
233	Photobleaching imprinting microscopy: seeing clearer and deeper. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 288-94	5.3	7
232	In vivo multiscale photoacoustic microscopy of human skin <b>2011</b> ,		7
231	Ultrasound-modulated optical tomography in reflection mode with ring-shaped light illumination. <i>Journal of Biomedical Optics</i> , <b>2009</b> , 14, 024015	3.5	7
230	Vessel segmentation analysis of ischemic stroke images acquired with photoacoustic microscopy <b>2012</b> ,		7

229	Combined photoacoustic and molecular fluorescence imaging in vivo. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2005</b> , 2006, 190-2		7
228	Development of tissue-simulating optical phantoms: poly-N-isopropylacrylamide solution entrapped inside a hydrogel. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 309-18	3.8	7
227	Full-field mapping of ultrasonic field by light-source-synchronized projection. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, L36-40	2.2	7
226	High-speed alignment optimization of digital optical phase conjugation systems based on autocovariance analysis in conjunction with orthonormal rectangular polynomials. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 24, 1-11	3.5	7
225	Intelligently optimized digital optical phase conjugation with particle swarm optimization. <i>Optics Letters</i> , <b>2020</b> , 45, 431-434	3	7
224	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 208-12	3.1	7
223	Real-time observation and control of optical chaos. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
222	Photoacoustic Computed Tomography of Breast Cancer in Response to Neoadjuvant Chemotherapy. <i>Advanced Science</i> , <b>2021</b> , 8, 2003396	13.6	7
221	Multiscale Photoacoustic Tomography of a Genetically Encoded Near-Infrared FRET Biosensor. <i>Advanced Science</i> , <b>2021</b> , 8, e2102474	13.6	7
220	Deep learning acceleration of multiscale superresolution localization photoacoustic imaging.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 131	16.7	7
219	Quantitative photoacoustic elastography of Young's modulus in humans <b>2017</b> ,		6
218	Quantitative Analysis of the Fate of Gold Nanocages In Vitro and In Vivo after Uptake by U87-MG Tumor Cells. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1190-1193	3.6	6
217	Frequency-swept time-reversed ultrasonically encoded optical focusing. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 191108	3.4	6
216	Tissue temperature monitoring using thermoacoustic and photoacoustic techniques <b>2010</b> ,		6
215	Temperature mapping using photoacoustic and thermoacoustic tomography <b>2012</b> ,		6
214	Laser optoacoustic imaging of turbid media: determination of optical properties by comparison with diffusion theory and Monte Carlo simulation <b>1996</b> ,		6
213	Breast cancer imaging by microwave-induced thermoacoustic tomography <b>2005</b> , 5697, 45		6
212	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-7	3.5	6



211	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	6
210	Dictionary learning sparse-sampling reconstruction method for 3D photoacoustic computed tomography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 1660-1677	3.5	6
209	Up-regulation of hypoxia-inducible factor 1 alpha and hemodynamic responses following massive small bowel resection. <i>Journal of Pediatric Surgery</i> , <b>2013</b> , 48, 1330-9	2.6	5
208	Optical-Resolution Photoacoustic Microscopy for Volumetric and Spectral Analysis of Histological and Immunochemical Samples. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 8237-8241	3.6	5
207	Optical sectioning by wide-field photobleaching imprinting microscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 183703	3.4	5
206	Multi-scale Multi-contrast Photoacoustic Microscopy <b>2013</b> ,		5
205	Toward dual-wavelength functional photoacoustic endoscopy: laser and peripheral optical systems development <b>2012</b> ,		5
204	Optical coherence computed tomography. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 141107	3.4	5
203	Iron-oxide nanoparticles as a contrast agent in thermoacoustic tomography <b>2007</b> , 6437, 101		5
202	Continuous-wave photoacoustic microscopy <b>2007</b> ,		5
201	XANES STUDY OF THE VALENCE OF Pb IN (Tl <sub>0.5</sub> Pb <sub>0.5</sub> )Sr <sub>2</sub> Ca <sub>1-x</sub> Y <sub>x</sub> Cu <sub>2</sub> O <sub>7</sub> - $\square$ <i>International Journal of Modern Physics B</i> , <b>1999</b> , 13, 3693-3696	1.1	5
200	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-4	3.5	5
199	Perspective on fast-evolving photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2021</b> , 26,	3.5	5
198	Large field homogeneous illumination in microwave-induced thermoacoustic tomography based on a quasi-conical spiral antenna. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 123701	3.4	5
197	Non-Invasive and In Situ Characterization of the Degradation of Biomaterial Scaffolds by Volumetric Photoacoustic Microscopy. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 188-192	3.6	4
196	Photoacoustic recovery after photothermal bleaching in living cells. <i>Journal of Biomedical Optics</i> , <b>2013</b> , 18, 106004	3.5	4
195	Volumetric photoacoustic endoscopy of upper gastrointestinal tract: ultrasonic transducer technology development <b>2011</b> ,		4
194	Photoacoustic microscopy with submicron resolution <b>2010</b> ,		4

193	Volumetric photoacoustic endoscopy of internal organs: a phantom and in situ study <b>2010</b> ,		4
192	Photoacoustic tomography with novel optical contrast agents based on gold nanocages or nanoparticles containing near-infrared dyes <b>2008</b> ,		4
191	Noninvasive mapping of the electrically stimulated mouse brain using photoacoustic microscopy <b>2008</b> ,		4
190	In-vivo imaging of nanoshell extravasation from solid tumor vasculature by photoacoustic microscopy <b>2007</b> ,		4
189	Portable real-time photoacoustic microscopy <b>2007</b> ,		4
188	Imaging of gene expression in vivo with photoacoustic tomography <b>2006</b> ,		4
187	Photoacoustic tomography and molecular fluorescence imaging: dual modality imaging of small animal brains in vivo <b>2005</b> ,		4
186	Autocorrelation of scattered laser light for ultrasound-modulated optical tomography in dense turbid media. <i>Applied Optics</i> , <b>2002</b> , 41, 4739-42	1.7	4
185	Isomers of gallium arsenide cluster ions. <i>Chemical Physics Letters</i> , <b>1992</b> , 194, 217-222	2.5	4
184	In vivo characterization of connective tissue remodeling using infrared photoacoustic spectra. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-6	3.5	4
183	Graphics processing unit accelerating compressed sensing photoacoustic computed tomography with total variation. <i>Applied Optics</i> , <b>2020</b> , 59, 712-719	1.7	4
182	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. <i>Nature Protocols</i> , <b>2021</b> , 16, 2381-2394	18.8	4
181	Nanoparticles for Photoacoustic Imaging of Vasculature <b>2017</b> , 337-356		3
180	Fighting against fast speckle decorrelation for light focusing inside live tissue by photon frequency shifting. <i>ACS Photonics</i> , <b>2020</b> , 7, 837-844	6.3	3
179	Optical-resolution photoacoustic microscopy of the metabolic rate of oxygen in a mouse renal tumor model <b>2015</b> ,		3
178	Photoacoustic microscopy of a three-dimensional arbitrary trajectory <b>2014</b> ,		3
177	Cross-optical-beam nonlinear photoacoustic microscopy <b>2014</b> ,		3
176	Noninvasive photoacoustic computed tomography of mouse brain metabolism in vivo <b>2013</b> ,		3

175	Measurement of Grüneisen parameter of tissue by photoacoustic spectrometry <b>2013</b> ,		3
174	Quantitative high-resolution photoacoustic spectroscopy by combining photoacoustic imaging with diffuse optical tomography <b>2011</b> ,		3
173	Small-animal whole-body imaging using a photoacoustic full ring array system <b>2011</b> ,		3
172	Fast-scanning reflection-mode integrated photoacoustic and optical-coherence microscopy <b>2010</b> ,		3
171	In vivo label-free photoacoustic microscopy of the anterior segment of the mouse eye <b>2010</b> ,		3
170	High-Transmission-Efficiency and Side-Viewing Micro OIRDS Probe for Fast and Minimally-Invasive Tumor Margin Detection. <i>IEEE Sensors Journal</i> , <b>2011</b> , 11, 891-896	4	3
169	Endoscopic photoacoustic microscopy <b>2009</b> ,		3
168	In-vivo imaging of microcirculation using integrated photoacoustic and optical-coherence microscopy <b>2009</b> ,		3
167	Photoacoustic microscopy of human teeth <b>2011</b> ,		3
166	Publisher's Note: Label-Free Bond-Selective Imaging by Listening to Vibrationally Excited Molecules [Phys. Rev. Lett. 106, 238106 (2011)]. <i>Physical Review Letters</i> , <b>2011</b> , 106,	7.4	3
165	Evaluation of the magneto-optical effect in biological tissue models using optical coherence tomography. <i>Journal of Biomedical Optics</i> , <b>2007</b> , 12, 060502	3.5	3
164	Photoacoustic tomography with a virtual point detector <b>2007</b> ,		3
163	Photoacoustic molecular imaging of small animals in vivo <b>2006</b> ,		3
162	Reply to Comment on "Optical-fiber-based Mueller optical coherence tomography" <i>Optics Letters</i> , <b>2004</b> , 29, 2875	3	3
161	High-resolution photoacoustic vascular imaging in vivo using a large-aperture acoustic lens <b>2005</b> , 5697, 7		3
160	Deep penetrating photoacoustic tomography in biological tissues <b>2005</b> ,		3
159	Optical-thermal simulation of human tonsillar tissue irradiation: clinical implications. <i>Lasers in Surgery and Medicine</i> , <b>2000</b> , 27, 269-73	3.6	3
158	Prospects of Photo- and Thermoacoustic Imaging in Neurosurgery. <i>Neurosurgery</i> , <b>2020</b> , 87, 11-24	3.2	3

157	Toward photoswitchable electronic pre-resonance stimulated Raman probes. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 135102	3.9	3
156	Imaging small animal whole-body dynamics by single-impulse panoramic photoacoustic computed tomography <b>2017</b> ,		2
155	Ultrafast imaging of light scattering dynamics using second-generation compressed ultrafast photography <b>2017</b> ,		2
154	Iterative image reconstruction in elastic inhomogenous media with application to transcranial photoacoustic tomography <b>2017</b> ,		2
153	Photo-imprint super-resolution photoacoustic microscopy <b>2015</b> ,		2
152	In vivo photoacoustic flowmetry at depths of the diffusive regime based on saline injection. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 87001	3.5	2
151	Evolving cervical imaging technologies to predict preterm birth. <i>Seminars in Immunopathology</i> , <b>2020</b> , 42, 385-396	12	2
150	Compressed 3D Image Information and Communication Security. <i>Advanced Quantum Technologies</i> , <b>2018</b> , 1, 1800034	4.3	2
149	High-Speed Time-Reversed Ultrasonically Encoded (TRUE) Optical Focusing in Dynamic Scattering Media at 793 nm <b>2014</b> ,		2
148	Micromachined silicon acoustic delay lines for ultrasound applications. <i>Journal of Micromechanics and Microengineering</i> , <b>2013</b> , 23, 025006	2	2
147	Catheter-based photoacoustic endoscope for use in the instrument channel of a clinical video endoscope <b>2015</b> ,		2
146	Photoacoustic imaging of single circulating melanoma cells in vivo <b>2015</b> ,		2
145	Synergistic image reconstruction for hybrid ultrasound and photoacoustic computed tomography <b>2015</b> ,		2
144	Functional connectivity in the mouse brain imaged by B-mode photoacoustic microscopy <b>2014</b> ,		2
143	Optical focusing in scattering media with photoacoustic wavefront shaping (PAWS) <b>2014</b> ,		2
142	High-speed time-reversed ultrasonically encoded (TRUE) optical focusing inside dynamic scattering media at 793 nm <b>2014</b> ,		2
141	Broadening the detection view of high-frequency linear-array-based photoacoustic computed tomography by using planar acoustic reflectors <b>2014</b> ,		2
140	Dichroism optical-resolution photoacoustic microscopy <b>2012</b> ,		2

139	Exploring ultrasound-modulated optical tomography at clinically useful depths using the photorefractive effect <b>2013</b> ,		2
138	Anatomical and metabolic small-animal whole-body imaging using ring-shaped confocal photoacoustic computed tomography <b>2013</b> ,		2
137	Noninvasive quantification of metabolic rate of oxygen (MRO <sub>2</sub> ) by photoacoustic microscopy <b>2011</b> ,		2
136	Photoacoustic and thermoacoustic tomography of dog prostates <b>2011</b> ,		2
135	Novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography using carbon nanotubes (CNTs) as a dual contrast agent <b>2009</b> ,		2
134	Monitoring the healing process of laser-induced microvascular lesions using optical-resolution photoacoustic microscopy <b>2009</b> ,		2
133	In vivo photoacoustic (PA) mapping of sentinel lymph nodes (SLNs) using carbon nanotubes (CNTs) as a contrast agent <b>2009</b> ,		2
132	Noninvasive photoacoustic sentinel lymph node mapping using Au nanocages as a lymph node tracer in a rat model <b>2009</b> ,		2
131	A fast 512-element ring array photoacoustic imaging system for small animals <b>2009</b> ,		2
130	Micromachined "Side-Viewing" Optical Sensor Probe for Detection of Esophageal Cancers. <i>Sensors and Actuators A: Physical</i> , <b>2009</b> , 150, 144-150	3.9	2
129	A 2.5-mm outer diameter photoacoustic endoscopic mini-probe based on a highly sensitive PMN-PT ultrasonic transducer <b>2012</b> ,		2
128	Label-free photoacoustic microscopy of cytochrome c in cells <b>2012</b> ,		2
127	The speckle-free nature of photoacoustic imaging <b>2009</b> ,		2
126	PRELIMINARY STUDY ON SKIN CANCER DETECTION IN SENCAR MICE USING MUELLER OPTICAL COHERENCE TOMOGRAPHY. <i>Journal of Innovative Optical Health Sciences</i> , <b>2009</b> , 2, 289-294	1.2	2
125	Photoacoustic Tomography and Microscopy. <i>Optics and Photonics News</i> , <b>2008</b> , 19, 36	1.9	2
124	Monkey brain cortex imaging by use of photoacoustic tomography <b>2008</b> ,		2
123	High-resolution photoacoustic tomography in vivo		2
122	High-resolution burn imaging in pig skin by photoacoustic microscopy <b>2007</b> ,		2

121	Speckle in photoacoustic tomography <b>2006</b> ,		2
120	Spatial resolution in three-dimensional photo-acoustic reconstruction <b>2004</b> , 5320, 264		2
119	Image reconstruction in ultrasound-modulated optical tomography <b>2004</b> , 5320, 268		2
118	Laser-induced photoacoustic tomography enhanced with an optical contrast agent <b>2004</b> , 5320, 77		2
117	Mitigating artifacts via half-time reconstruction in thermoacoustic tomography <b>2005</b> ,		2
116	Theoretical study on the mechanisms of ultrasonic modulation of multiply scattered light <b>2001</b> , 4256, 208		2
115	Measurement of tissue optical properties and modeling of optimal light delivery for tumor treatment <b>1998</b> , 3254, 332		2
114	Analysis of diffusion theory and similarity relations for light reflectance by turbid media <b>1993</b> , 1888, 107		2
113	Clinical photoacoustic computed tomography of the human breast in vivo within a single breath hold <b>2018</b> ,		2
112	Spatiotemporal strategies to identify aggressive biology in precancerous breast biopsies. <i>WIREs Mechanisms of Disease</i> , <b>2021</b> , 13, e1506	0.3	2
111	Photoacoustic Tomography of Neural Systems <b>2020</b> , 349-378		2
110	Three-Dimensional Optical-Resolution Photoacoustic Microscopy <b>2013</b> , 55-77		2
109	Single-shot time-reversed optical focusing into and through scattering media. <i>ACS Photonics</i> , <b>2020</b> , 7, 2871-2877	6.3	2
108	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. <i>Transfusion Medicine Reviews</i> , <b>2021</b> , 35, 46-55	7.4	2
107	Photoacoustic Tomography of the Brain <b>2013</b> , 137-156		2
106	Early-stage tumor detection using photoacoustic microscopy: a pattern recognition approach <b>2017</b> ,		1
105	Isotropic-resolution linear-array-based photoacoustic computed tomography through inverse Radon transform <b>2015</b> ,		1
104	Compensation for acoustic heterogeneities in photoacoustic computed tomography using a variable temporal data truncation reconstruction method <b>2016</b> ,		1

103	Bessel beam Grueneisen photoacoustic microscopy with extended depth of field <b>2016,</b>	1
102	PHOTOACOUSTIC TOMOGRAPHY AND ITS APPLICATIONS IN DRUG DELIVERY AND PHOTOTHERMAL THERAPY <b>2013,</b> 45-69	1
101	Photoacoustic computed tomography without accurate ultrasonic transducer responses <b>2015,</b>	1
100	In vivo deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography <b>2015,</b>	1
99	Low-rank matrix estimation-based spatio-temporal image reconstruction for dynamic photoacoustic computed tomography <b>2014,</b>	1
98	Simultaneous reconstruction of absorbed optical energy density and speed of sound distributions in photoacoustic computed tomography <b>2014,</b>	1
97	Mouse brain imaging using photoacoustic computed tomography <b>2014,</b>	1
96	Combined optical and mechanical scanning in optical-resolution photoacoustic microscopy <b>2014,</b>	1
95	A handheld optical fiber parallel acoustic delay line (PADL) probe for photoacoustic tomography <b>2014,</b>	1
94	Photoacoustic molecular imaging of angiogenesis using theranostic B-targeted copper nanoparticles incorporating a sn-2 lipase-labile fumagillin prodrug <b>2014,</b>	1
93	Resting-state functional connectivity imaging of the mouse brain using photoacoustic tomography <b>2014,</b>	1
92	Carbon nanoparticles as a multimodal thermoacoustic and photoacoustic contrast agent <b>2013,</b>	1
91	Water-Immersible MEMS scanning mirror designed for wide-field fast-scanning photoacoustic microscopy <b>2013,</b>	1
90	Förster resonance energy transfer photoacoustic microscopy <b>2013,</b>	1
89	High resolution functional photoacoustic computed tomography of the mouse brain during electrical stimulation <b>2013,</b>	1
88	Photoacoustic endoscopic imaging study of melanoma tumor growth in a rat colorectum in vivo <b>2013,</b>	1
87	Optimal oblique light illumination for photoacoustic microscopy beyond the diffusion limit <b>2011,</b>	1
86	Tyrosinase-catalyzed melanin as a contrast agent for photoacoustic tomography <b>2011,</b>	1

85	Dual-mode photoacoustic microscopy of carbon nanotube incorporated scaffolds in blood and biological tissues <b>2011,</b>	1
84	In vivo functional human imaging using photoacoustic microscopy: response to ischemic and thermal stimuli <b>2010,</b>	1
83	Real-time monitoring of small animal cortical hemodynamics by photoacoustic tomography <b>2010,</b>	1
82	Transverse flow measurement using photoacoustic Doppler bandwidth broadening: phantom and in vivo studies <b>2010,</b>	1
81	Optical-resolution photoacoustic microscopy of amyloid- $\beta$ deposits in vivo <b>2010,</b>	1
80	Photoacoustic tomography: High-resolution imaging of optical contrast in vivo at superdepths <b>2009</b>	1
79	Three-dimensional photoacoustic tomography of small animal brain with a curved array transducer <b>2009,</b>	1
78	M -mode photoacoustic flow imaging <b>2009,</b>	1
77	Subwavelength-resolution photoacoustic microscopy for label-free detection of optical absorption in vivo <b>2011,</b>	1
76	Three-dimensional photoacoustic imaging with a clinical two-dimensional matrix ultrasound transducer <b>2011,</b>	1
75	Volumetric Photoacoustic Endoscopy <b>2012,</b>	1
74	Double-illumination photoacoustic microscopy of intestinal hemodynamics following massive small bowel resection <b>2012,</b>	1
73	Ring-shaped confocal photoacoustic computed tomography for small-animal whole-body imaging <b>2012,</b>	1
72	Time-reversed ultrasonically encoded (TRUE) optical focusing in reflection mode: demonstrations in tissue mimicking phantoms and ex vivo tissue <b>2012,</b>	1
71	The study of quantitative optical absorption imaging by using Monte Carlo simulation of combined photoacoustic tomography and ultrasound-modulated optical tomography <b>2012,</b>	1
70	In vivo imaging of cell nuclei by photoacoustic microscopy without staining <b>2012,</b>	1
69	Wide range quantitative photoacoustic spectroscopy to measure non-linear optical absorption of hemoglobin <b>2012,</b>	1
68	DMD-encoded spectral photoacoustic microscopy <b>2012,</b>	1



67	In vivo, dual-modality imaging of mouse eyes: optical coherence tomography and photoacoustic microscopy within a single instrument <b>2010</b> ,		1
66	Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo <b>2008</b> ,		1
65	Imaging of optical scattering contrast using ultrasound-modulated optical tomography <b>2008</b> ,		1
64	RF diffraction effect in RF-induced thermoacoustic tomography: calibration and distortion <b>2008</b> ,		1
63	Towards very high resolution imaging in ultrasound-modulated optical tomography of biological tissues <b>2006</b> ,		1
62	Functional photoacoustic microscopy in vivo <b>2006</b> , 6086, 377		1
61	In vivo functional photoacoustic imaging of brain tumor vasculature <b>2006</b> , 6086, 91		1
60	Virtual-detector synthetic aperture focusing technique with application in in vivo photoacoustic microscopy <b>2006</b> , 6086, 369		1
59	High-resolution functional photoacoustic tomography		1
58	Fiber-based polarization-sensitive Mueller-matrix optical coherence tomography with continuous source polarization modulation <b>2004</b> ,		1
57	Signal and noise in ultrasound-modulated optical tomography: a Monte Carlo study <b>2004</b> ,		1
56	A theoretical investigation of human skin thermal response to near-infrared laser irradiation <b>2004</b> ,		1
55	Analysis of physiological parameters in skin tumors by a scaleable Monte Carlo simulation <b>2005</b> ,		1
54	Analytical model for modulation of diffuse light by pulsed ultrasonic waves <b>2005</b> ,		1
53	Cluster Model Description of Polarized Cu K-Edge Spectra of Nd <sub>2-x</sub> Ce <sub>x</sub> CuO <sub>4</sub> — <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 3299-3305	1.1	1
52	Cu K-Edge Study of (Ti <sub>0.5</sub> Pb <sub>0.5</sub> )Sr <sub>2</sub> Ca <sub>1-x</sub> Y <sub>x</sub> Cu <sub>2</sub> O <sub>7</sub> — <i>International Journal of Modern Physics B</i> , <b>1998</b> , 12, 3296-3298	1.1	1
51	Oblique-incidence reflectometry: one relative profile measurement of diffuse reflectance yields two optical parameters <b>1995</b> , 2627, 165		1
50	Analysis of Spatial Resolution in Photoacoustic Tomography <b>2017</b> , 47-60		1

49	Probing single-cell oxygen reserve in sickled erythrocytes via in vivo photoacoustic microscopy. <i>American Journal of Hematology</i> , <b>2021</b> ,	7.1	1
48	Time Reversal in Photoacoustic or Thermoacoustic Tomography <b>2017</b> , 117-120		1
47	Microwave-Induced Acoustic (Thermoacoustic) Tomography <b>2017</b> , 339-348		1
46	Universal Back-Projection Algorithm for Photoacoustic Tomography <b>2017</b> , 37-46		1
45	In vivo photoacoustic multi-contrast imaging and detection of protein interactions using a small near-infrared photochromic protein <b>2019</b> ,		1
44	Translational Photoacoustic Microscopy. <i>Progress in Optical Science and Photonics</i> , <b>2016</b> , 47-73	0.3	1
43	Correcting for heterogeneous fluence profiles in photoacoustic imaging with diffuse optical tomography <b>2010</b> ,		1
42	Photoacoustic Tomography: Ultrasonically Breaking through the Optical Diffusion Limit <b>2012</b> ,		1
41	EGFR in enterocytes & endothelium and HIF1 $\alpha$ in enterocytes are dispensable for massive small bowel resection induced angiogenesis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236964	3.7	1
40	Reversibly switchable photoacoustic tomography using a genetically encoded near-infrared phytochrome <b>2016</b> ,		1
39	Photoacoustic Tomography Enhanced by Nanoparticles <b>2016</b> , 1-14		1
38	Deep subwavelength optical imaging using correlated nano-torches. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 201119	3.4	0
37	Introduction to the Special Issue on Biophotonics Part 2. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2010</b> , 16, 703-705	3.8	0
36	High-resolution ultrasound-aided biophotonic imaging. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2004</b> , 2004, 5307-10		0
35	Radiative Transfer Equation and Diffusion Theory 83-118		0
34	Photoacoustic Imaging. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 3233, 147-175	3.6	0
33	Focusing light into scattering media with ultrasound-induced field perturbation. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 159	16.7	0
32	Neurophotonic tools for microscopic measurements and manipulation: status report.. <i>Neurophotonics</i> , <b>2022</b> , 9, 013001	3.9	0

- 31 Photoacoustic Tomography for Biomedical Applications **2015**, 1-34
- 30 Photoacoustic Tomography **2012**, 283-321
- 29 Ultrasound-Modulated Optical Tomography **2012**, 323-341
- 28 Monte Carlo Modeling of Photon Transport in Biological Tissue **2012**, 37-65
- 27 Mueller Optical Coherence Tomography **2012**, 219-247
- 26 Guest Editorial to the Special Letters Issue on Emerging Technologies in Multiparameter Biomedical Optical Imaging and Image Analysis. *IEEE Transactions on Biomedical Engineering*, **2010**, 57, 2551-2554 5
- 25 JBO Setting New Records. *Journal of Biomedical Optics*, **2012**, 17, 020101 3-5
- 24 Sensing of Optical Properties and Spectroscopy **2012**, 135-151
- 23 Ultrasonic modulation of diffuse light in turbid media **1997**, 2979, 24
- 22 Theoretical studies of optimal light delivery for tumor treatment **1997**, 2975, 84
- 21 In vivo Functional Imaging Using Photoacoustic Microscopy **2006**, WD1
- 20 Signal dependence and noise source in ultrasound-modulated optical tomography: erratum **2006**, 45, 1288
- 19 Burn depth determination using high-speed polarization-sensitive Mueller optical coherence tomography with continuous polarization modulation **2006**, 6079, 421
- 18 Photoacoustic and thermoacoustic tomography with both optical and electrical contrasts **2006**, 6086, 332
- 17 Three-dimensional in vivo near-infrared photoacoustic tomography of whole small animal head **2006**, 6086, 208
- 16 In vivo functional photoacoustic tomography of traumatic brain injury in rats **2006**, 6086, 201
- 15 Characterization of the polarization properties of biological tissues with fiber-based Mueller-matrix optical coherence tomography **2004**, 5319, 130
- 14 High-resolution imaging using ultrasound-modulated optical tomography **2004**, 5320, 150

- 13 Diffusion theory for multilayered scattering media **2005**, 5695, 101
- 12 Ultrasound-modulated optical tomography in biological tissue: theoretical and experimental studies **2000**, SuF2
- 11 Imaging Turbid Media Using Sonoluminescence **1998**, AWA6
- 10 Oblique incidence reflectometry: optical-fiber implementation **1996**, 2681, 266
- 9 Dark-Field Confocal Photoacoustic Microscopy **2017**, 267-280
- 8 Deep-Penetrating Reflection-Mode Photoacoustic Imaging **2017**, 281-286
- 7 Photoacoustic Tomography Based on Ring-Shaped Virtual Point Ultrasonic Detector **2017**, 201-208
- 6 Photoacoustic Tomography **2010**, 743-760
- 5 Time-reversed ultrasonically encoded optical focusing in biological tissue. *Journal of Biomedical Optics*, **2012**, 17, 036001 3-5
- 4 Photoacoustic Tomography of Microcirculation 259-278
- 3 Convolution for Broadbeam Responses 67-82
- 2 Hybrid Model of Monte Carlo Method and Diffusion Theory 119-134
- 1 Photoacoustic Molecular Imaging: Principles and Practice **2021**, 233-244