

# Lihong V Wang

## List of Publications by Year in descending order

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931  
papers

74,054  
citations

506

128  
h-index

779

248  
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960  
all docs

960  
docs citations

960  
times ranked

32376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoacoustic Tomography: In Vivo Imaging from Organelles to Organs. <i>Science</i> , 2012, 335, 1458-1462.	6.0	3,534
2	MCML—Monte Carlo modeling of light transport in multi-layered tissues. <i>Computer Methods and Programs in Biomedicine</i> , 1995, 47, 131-146.	2.6	2,884
3	Toward discovery science of human brain function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4734-4739.	3.3	2,703
4	Photoacoustic imaging in biomedicine. <i>Review of Scientific Instruments</i> , 2006, 77, 041101.	0.6	2,068
5	Functional photoacoustic microscopy for high-resolution and noninvasive in vivo imaging. <i>Nature Biotechnology</i> , 2006, 24, 848-851.	9.4	1,690
6	Noninvasive laser-induced photoacoustic tomography for structural and functional in vivo imaging of the brain. <i>Nature Biotechnology</i> , 2003, 21, 803-806.	9.4	1,597
7	Looking and listening to light: the evolution of whole-body photonic imaging. <i>Nature Biotechnology</i> , 2005, 23, 313-320.	9.4	1,482
8	Gold nanocages covered by smart polymers for controlled release with near-infrared light. <i>Nature Materials</i> , 2009, 8, 935-939.	13.3	1,335
9	Fullerenes with metals inside. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7564-7568.	2.9	1,248
10	Multiscale photoacoustic microscopy and computed tomography. <i>Nature Photonics</i> , 2009, 3, 503-509.	15.6	1,222
11	Porphyrsome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. <i>Nature Materials</i> , 2011, 10, 324-332.	13.3	1,219
12	A practical guide to photoacoustic tomography in the life sciences. <i>Nature Methods</i> , 2016, 13, 627-638.	9.0	947
13	Universal back-projection algorithm for photoacoustic computed tomography. <i>Physical Review E</i> , 2005, 71, 016706.	0.8	909
14	Gold nanostructures: a class of multifunctional materials for biomedical applications. <i>Chemical Society Reviews</i> , 2011, 40, 44-56.	18.7	727
15	In Vivo Photoacoustic Tomography of Chemicals: High-Resolution Functional and Molecular Optical Imaging at New Depths. <i>Chemical Reviews</i> , 2010, 110, 2756-2782.	23.0	712
16	Optical-resolution photoacoustic microscopy for in vivo imaging of single capillaries. <i>Optics Letters</i> , 2008, 33, 929.	1.7	710
17	Comparison Study of Gold Nanohexapods, Nanorods, and Nanocages for Photothermal Cancer Treatment. <i>ACS Nano</i> , 2013, 7, 2068-2077.	7.3	557
18	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , 2015, 12, 407-410.	9.0	555

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19	Photoacoustic tomography and sensing in biomedicine. <i>Physics in Medicine and Biology</i> , 2009, 54, R59-R97.	1.6	539
20	Tutorial on Photoacoustic Microscopy and Computed Tomography. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008, 14, 171-179.	1.9	455
21	Single-shot compressed ultrafast photography at one hundred billion frames per second. <i>Nature</i> , 2014, 516, 74-77.	13.7	450
22	Photoacoustic Tomography of a Nanoshell Contrast Agent in the in Vivo Rat Brain. <i>Nano Letters</i> , 2004, 4, 1689-1692.	4.5	447
23	Prospects of photoacoustic tomography. <i>Medical Physics</i> , 2008, 35, 5758-5767.	1.6	433
24	<i>In Vivo</i> Molecular Photoacoustic Tomography of Melanomas Targeted by Bioconjugated Gold Nanocages. <i>ACS Nano</i> , 2010, 4, 4559-4564.	7.3	431
25	Time-reversed ultrasonically encoded optical focusing into scattering media. <i>Nature Photonics</i> , 2011, 5, 154-157.	15.6	418
26	PHOTOACOUSTIC TOMOGRAPHY: PRINCIPLES AND ADVANCES (Invited Review). <i>Progress in Electromagnetics Research</i> , 2014, 147, 1-22.	1.6	414
27	In vivo dark-field reflection-mode photoacoustic microscopy. <i>Optics Letters</i> , 2005, 30, 625.	1.7	405
28	Photoacoustic Tomography of a Rat Cerebral Cortex in vivo with Au Nanocages as an Optical Contrast Agent. <i>Nano Letters</i> , 2007, 7, 3798-3802.	4.5	404
29	Noninvasive imaging of hemoglobin concentration and oxygenation in the rat brain using high-resolution photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2006, 11, 024015.	1.4	400
30	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> , 2011, 133, 4762-4765.	6.6	382
31	Second-generation optical-resolution photoacoustic microscopy with improved sensitivity and speed. <i>Optics Letters</i> , 2011, 36, 1134.	1.7	378
32	Simultaneous functional photoacoustic and ultrasonic endoscopy of internal organs in vivo. <i>Nature Medicine</i> , 2012, 18, 1297-1302.	15.2	378
33	Photoacoustic microscopy. <i>Laser and Photonics Reviews</i> , 2013, 7, 758-778.	4.4	377
34	Near-Infrared Gold Nanocages as a New Class of Tracers for Photoacoustic Sentinel Lymph Node Mapping on a Rat Model. <i>Nano Letters</i> , 2009, 9, 183-188.	4.5	365
35	Time-domain reconstruction for thermoacoustic tomography in a spherical geometry. <i>IEEE Transactions on Medical Imaging</i> , 2002, 21, 814-822.	5.4	364
36	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	334

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37	Deeply penetrating photoacoustic tomography in biological tissues enhanced with an optical contrast agent. <i>Optics Letters</i> , 2005, 30, 507.	1.7	325
38	Photoacoustic imaging and characterization of the microvasculature. <i>Journal of Biomedical Optics</i> , 2010, 15, 011101.	1.4	324
39	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines in vivo. <i>Science Robotics</i> , 2019, 4, .	9.9	321
40	Reconstructions in limited-view thermoacoustic tomography. <i>Medical Physics</i> , 2004, 31, 724-733.	1.6	319
41	Radioactive <sup>198</sup> Au-Doped Nanostructures with Different Shapes for <i>In Vivo</i> Analyses of Their Biodistribution, Tumor Uptake, and Intratumoral Distribution. <i>ACS Nano</i> , 2014, 8, 4385-4394.	7.3	312
42	Imaging of hemoglobin oxygen saturation variations in single vessels in vivo using photoacoustic microscopy. <i>Applied Physics Letters</i> , 2007, 90, 053901.	1.5	310
43	Two-dimensional depth-resolved Mueller matrix characterization of biological tissue by optical coherence tomography. <i>Optics Letters</i> , 1999, 24, 537.	1.7	303
44	Practical reconstruction method for bioluminescence tomography. <i>Optics Express</i> , 2005, 13, 6756.	1.7	299
45	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	5.8	290
46	Photoacoustic imaging of living mouse brain vasculature using hollow gold nanospheres. <i>Biomaterials</i> , 2010, 31, 2617-2626.	5.7	289
47	Tutorial on photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2016, 21, 061007.	1.4	287
48	Simultaneous Molecular and Hypoxia Imaging of Brain Tumors <i>In Vivo</i> Using Spectroscopic Photoacoustic Tomography. <i>Proceedings of the IEEE</i> , 2008, 96, 481-489.	16.4	286
49	Sensitivity of photoacoustic microscopy. <i>Photoacoustics</i> , 2014, 2, 87-101.	4.4	283
50	Label-free oxygen-metabolic photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , 2011, 16, 076003.	1.4	278
51	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> , 2014, 111, 21-26.	3.3	276
52	Propagation of polarized light in birefringent turbid media: A Monte Carlo study. <i>Journal of Biomedical Optics</i> , 2002, 7, 279.	1.4	262
53	Subwavelength-resolution label-free photoacoustic microscopy of optical absorption in vivo. <i>Optics Letters</i> , 2010, 35, 3195.	1.7	251
54	Convolution for responses to a finite diameter photon beam incident on multi-layered tissues. <i>Computer Methods and Programs in Biomedicine</i> , 1997, 54, 141-150.	2.6	250

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55	Exact frequency-domain reconstruction for thermoacoustic tomography. I. Planar geometry. IEEE Transactions on Medical Imaging, 2002, 21, 823-828.	5.4	249
56	Photoacoustically guided wavefront shaping for enhanced optical focusing in scattering media. Nature Photonics, 2015, 9, 126-132.	15.6	249
57	Continuous-wave ultrasonic modulation of scattered laser light to image objects in turbid media. Optics Letters, 1995, 20, 629.	1.7	248
58	Three-dimensional imaging of skin melanoma in vivo by dual-wavelength photoacoustic microscopy. Journal of Biomedical Optics, 2006, 11, 034032.	1.4	242
59	Noninvasive photoacoustic angiography of animal brains in vivo with near-infrared light and an optical contrast agent. Optics Letters, 2004, 29, 730.	1.7	241
60	Deeply penetrating in vivo photoacoustic imaging using a clinical ultrasound array system. Biomedical Optics Express, 2010, 1, 278.	1.5	241
61	Sentinel Lymph Nodes and Lymphatic Vessels: Noninvasive Dual-Modality in Vivo Mapping by Using Indocyanine Green in Ratsâ€™ Volumetric Spectroscopic Photoacoustic Imaging and Planar Fluorescence Imaging. Radiology, 2010, 255, 442-450.	3.6	232
62	Sentinel Lymph Nodes in the Rat: Noninvasive Photoacoustic and US Imaging with a Clinical US System. Radiology, 2010, 256, 102-110.	3.6	225
63	Time-domain reconstruction algorithms and numerical simulations for thermoacoustic tomography in various geometries. IEEE Transactions on Biomedical Engineering, 2003, 50, 1086-1099.	2.5	222
64	Photoacoustic endoscopy. Optics Letters, 2009, 34, 1591.	1.7	217
65	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. Advanced Functional Materials, 2010, 20, 3684-3694.	7.8	216
66	Analytic explanation of spatial resolution related to bandwidth and detector aperture size in thermoacoustic or photoacoustic reconstruction. Physical Review E, 2003, 67, 056605.	0.8	214
67	A real-time photoacoustic tomography system for small animals. Optics Express, 2009, 17, 10489.	1.7	212
68	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. Nature Methods, 2016, 13, 67-73.	9.0	206
69	Nanoparticles for photoacoustic imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 360-368.	3.3	204
70	Three-dimensional laser-induced photoacoustic tomography of mouse brain with the skin and skull intact. Optics Letters, 2003, 28, 1739.	1.7	203
71	Two-dimensional depth-resolved Mueller matrix of biological tissue measured with double-beam polarization-sensitive optical coherence tomography. Optics Letters, 2002, 27, 101.	1.7	202
72	Full-Wave Iterative Image Reconstruction in Photoacoustic Tomography With Acoustically Inhomogeneous Media. IEEE Transactions on Medical Imaging, 2013, 32, 1097-1110.	5.4	201

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73	Multiple-bandwidth photoacoustic tomography. <i>Physics in Medicine and Biology</i> , 2004, 49, 1329-1338.	1.6	200
74	Thermoacoustic and photoacoustic sensing of temperature. <i>Journal of Biomedical Optics</i> , 2009, 14, 054024.	1.4	199
75	Noninvasive photoacoustic computed tomography of mouse brain metabolism in vivo. <i>NeuroImage</i> , 2013, 64, 257-266.	2.1	199
76	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> , 2011, 71, 6116-6121.	0.4	196
77	Noninvasive photoacoustic identification of sentinel lymph nodes containing methylene blue in vivo in a rat model. <i>Journal of Biomedical Optics</i> , 2008, 13, 054033.	1.4	191
78	Single-cell label-free photoacoustic flowoxigraphy in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5759-5764.	3.3	191
79	Jones-matrix imaging of biological tissues with quadruple-channel optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2002, 7, 350.	1.4	189
80	Imaging of tumor angiogenesis in rat brains in vivo by photoacoustic tomography. <i>Applied Optics</i> , 2005, 44, 770.	2.1	189
81	Photoacoustic Microscopy and Computed Tomography: From Bench to Bedside. <i>Annual Review of Biomedical Engineering</i> , 2014, 16, 155-185.	5.7	188
82	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. <i>Science Advances</i> , 2017, 3, e1602168.	4.7	187
83	Small-Animal Whole-Body Photoacoustic Tomography: A Review. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1380-1389.	2.5	185
84	In vivo label-free photoacoustic microscopy of cell nuclei by excitation of DNA and RNA. <i>Optics Letters</i> , 2010, 35, 4139.	1.7	184
85	Noninvasive Photoacoustic and Fluorescence Sentinel Lymph Node Identification using Dye-Loaded Perfluorocarbon Nanoparticles. <i>ACS Nano</i> , 2011, 5, 173-182.	7.3	184
86	In vivo photoacoustic imaging of transverse blood flow by using Doppler broadening of bandwidth. <i>Optics Letters</i> , 2010, 35, 1419.	1.7	182
87	In vivo imaging of subcutaneous structures using functional photoacoustic microscopy. <i>Nature Protocols</i> , 2007, 2, 797-804.	5.5	181
88	Fast voice-coil scanning optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2011, 36, 139.	1.7	180
89	Anisotropy in the absorption and scattering spectra of chicken breast tissue. <i>Applied Optics</i> , 1998, 37, 798.	2.1	179
90	Microwave-induced acoustic imaging of biological tissues. <i>Review of Scientific Instruments</i> , 1999, 70, 3744-3748.	0.6	178

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91	Time Reversal and Its Application to Tomography with Diffracting Sources. <i>Physical Review Letters</i> , 2004, 92, 033902.	2.9	177
92	Dual-Modality Photoacoustic and Ultrasound Imaging System for Noninvasive Sentinel Lymph Node Detection in Patients with Breast Cancer. <i>Scientific Reports</i> , 2015, 5, 15748.	1.6	175
93	Ultrasound-Mediated Biophotonic Imaging: A Review of Acousto-Optical Tomography and Photo-Acoustic Tomography. <i>Disease Markers</i> , 2004, 19, 123-138.	0.6	174
94	Improved in vivo photoacoustic microscopy based on a virtual-detector concept. <i>Optics Letters</i> , 2006, 31, 474.	1.7	167
95	Design and evaluation of a novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography. <i>Medical Physics</i> , 2008, 35, 2218-2223.	1.6	167
96	Photoacoustic tomography: fundamentals, advances and prospects. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 332-345.	0.4	167
97	Light backscattering polarization patterns from turbid media: theory and experiment. <i>Applied Optics</i> , 1999, 38, 3399.	2.1	165
98	Monte Carlo simulation of an optical coherence tomography signal in homogeneous turbid media. <i>Physics in Medicine and Biology</i> , 1999, 44, 2307-2320.	1.6	164
99	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> , 1995, 34, 2362.	2.1	161
100	Photoacoustic imaging of lacZ gene expression in vivo. <i>Journal of Biomedical Optics</i> , 2007, 12, 020504.	1.4	161
101	A green synthesis of carbon nanoparticles from honey and their use in real-time photoacoustic imaging. <i>Nano Research</i> , 2013, 6, 312-325.	5.8	161
102	Molecular photoacoustic imaging of angiogenesis with integrin $\alpha$ -targeted gold nanobeacons. <i>FASEB Journal</i> , 2011, 25, 875-882.	0.2	160
103	Mechanisms of Ultrasonic Modulation of Multiply Scattered Coherent Light: An Analytic Model. <i>Physical Review Letters</i> , 2001, 87, 043903.	2.9	159
104	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> , 2011, 108, 13264-13269.	3.3	159
105	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , 2019, 13, 609-615.	15.6	158
106	Exact frequency-domain reconstruction for thermoacoustic tomography. II. Cylindrical geometry. <i>IEEE Transactions on Medical Imaging</i> , 2002, 21, 829-833.	5.4	157
107	Deep $\alpha$ -Tissue Photoacoustic Tomography of a Genetically Encoded Near $\alpha$ -Infrared Fluorescent Probe. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1448-1451.	7.2	156
108	Optical focusing deep inside dynamic scattering media with near-infrared time-reversed ultrasonically encoded (TRUE) light. <i>Nature Communications</i> , 2015, 6, 5904.	5.8	156

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109	Deep reflection-mode photoacoustic imaging of biological tissue. <i>Journal of Biomedical Optics</i> , 2007, 12, 060503.	1.4	155
110	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. <i>Biomaterials</i> , 2010, 31, 4088-4093.	5.7	154
111	Optical-fiber-based Mueller optical coherence tomography. <i>Optics Letters</i> , 2003, 28, 1206.	1.7	151
112	Functional transcranial brain imaging by optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 1.	1.4	151
113	Single-walled carbon nanotubes as a multimodal-thermoacoustic and photoacoustic-contrast agent. <i>Journal of Biomedical Optics</i> , 2009, 14, 034018.	1.4	151
114	Photoacoustic Doppler Effect from Flowing Small Light-Absorbing Particles. <i>Physical Review Letters</i> , 2007, 99, 184501.	2.9	146
115	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> , 1993, 10, 1746.	0.8	145
116	Noninvasive in vivo spectroscopic nanorod-contrast photoacoustic mapping of sentinel lymph nodes. <i>European Journal of Radiology</i> , 2009, 70, 227-231.	1.2	145
117	Photoacoustic brain imaging: from microscopic to macroscopic scales. <i>Neurophotonics</i> , 2014, 1, 011003.	1.7	144
118	Whole-body ring-shaped confocal photoacoustic computed tomography of small animals in vivo. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	1.4	143
119	Depth-resolved two-dimensional Stokes vectors of backscattered light and Mueller matrices of biological tissue measured with optical coherence tomography. <i>Applied Optics</i> , 2000, 39, 6318.	2.1	142
120	Thermoacoustic and Photoacoustic Tomography of Thick Biological Tissues toward Breast Imaging. <i>Technology in Cancer Research and Treatment</i> , 2005, 4, 559-565.	0.8	142
121	Compressed sensing in photoacoustic tomography in vivo. <i>Journal of Biomedical Optics</i> , 2010, 15, 021311.	1.4	141
122	Scanning microwave-induced thermoacoustic tomography: Signal, resolution, and contrast. <i>Medical Physics</i> , 2001, 28, 4-10.	1.6	138
123	Label-free photoacoustic ophthalmic angiography. <i>Optics Letters</i> , 2010, 35, 1.	1.7	138
124	Monte Carlo Modeling of Light Transport in Tissues. , 1995, , 73-100.		138
125	Single-shot ultrafast optical imaging. <i>Optica</i> , 2018, 5, 1113.	4.8	136
126	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. <i>Journal of Biomedical Optics</i> , 2010, 15, 1.	1.4	134



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127	Measurement and calculation of the two-dimensional backscattering Mueller matrix of a turbid medium. <i>Optics Letters</i> , 1998, 23, 485.	1.7	132
128	Photoacoustic imaging of biological tissue with intensity-modulated continuous-wave laser. <i>Journal of Biomedical Optics</i> , 2008, 13, 024006.	1.4	132
129	Label-Free Bond-Selective Imaging by Listening to Vibrationally Excited Molecules. <i>Physical Review Letters</i> , 2011, 106, 238106.	2.9	132
130	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. <i>Nanoscale</i> , 2011, 3, 1724.	2.8	130
131	Measurement of tissue optical properties by the use of oblique-incidence optical fiber reflectometry. <i>Applied Optics</i> , 1997, 36, 136.	2.1	128
132	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	4.8	127
133	A mouse optical simulation environment (MOSE) to investigate bioluminescent phenomena in the living mouse with the monte carlo method. <i>Academic Radiology</i> , 2004, 11, 1029-1038.	1.3	126
134	Grueneisen Relaxation Photoacoustic Microscopy. <i>Physical Review Letters</i> , 2014, 113, 174301.	2.9	126
135	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> , 1995, 40, 1957-1975.	1.6	124
136	Thermoacoustic tomography with correction for acoustic speed variations. <i>Physics in Medicine and Biology</i> , 2006, 51, 6437-6448.	1.6	124
137	Label-free photoacoustic nanoscopy. <i>Journal of Biomedical Optics</i> , 2014, 19, 1.	1.4	124
138	Scanning thermoacoustic tomography in biological tissue. <i>Medical Physics</i> , 2000, 27, 1195-1202.	1.6	123
139	Wide-field fast-scanning photoacoustic microscopy based on a water-immersible MEMS scanning mirror. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	1.4	122
140	Determination of local polarization properties of biological samples in the presence of diattenuation by use of Mueller optical coherence tomography. <i>Optics Letters</i> , 2004, 29, 2402.	1.7	121
141	In vivo volumetric imaging of subcutaneous microvasculature by photoacoustic microscopy. <i>Optics Express</i> , 2006, 14, 9317.	1.7	121
142	<i>In vivo</i> carbon nanotube-enhanced non-invasive photoacoustic mapping of the sentinel lymph node. <i>Physics in Medicine and Biology</i> , 2009, 54, 3291-3301.	1.6	120
143	Measuring the Optical Absorption Cross Sections of Au <sup>~</sup> Ag Nanocages and Au Nanorods by Photoacoustic Imaging. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9023-9028.	1.5	120
144	Time-reversed adapted-perturbation (TRAP) optical focusing onto dynamic objects inside scattering media. <i>Nature Photonics</i> , 2014, 8, 931-936.	15.6	119

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145	Electronic structure of small GaAs clusters. <i>Journal of Chemical Physics</i> , 1991, 94, 8015-8020.	1.2	118
146	Real-time photoacoustic tomography of cortical hemodynamics in small animals. <i>Journal of Biomedical Optics</i> , 2010, 15, 010509.	1.4	116
147	In vivo integrated photoacoustic and confocal microscopy of hemoglobin oxygen saturation and oxygen partial pressure. <i>Optics Letters</i> , 2011, 36, 1029.	1.7	116
148	Effects of acoustic heterogeneity in breast thermoacoustic tomography. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2003, 50, 1134-1146.	1.7	115
149	Noninvasive label-free imaging of microhemodynamics by optical-resolution photoacoustic microscopy. <i>Optics Express</i> , 2009, 17, 7688.	1.7	115
150	The emerging role of photoacoustic imaging in clinical oncology. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 365-384.	12.5	115
151	Pulsed-microwave-induced thermoacoustic tomography: Filtered backprojection in a circular measurement configuration. <i>Medical Physics</i> , 2002, 29, 1661-1669.	1.6	113
152	Half-time image reconstruction in thermoacoustic tomography. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 199-210.	5.4	113
153	In vivo photoacoustic microscopy with 7.6- $\mu\text{m}$ axial resolution using a commercial 125-MHz ultrasonic transducer. <i>Journal of Biomedical Optics</i> , 2012, 17, 1.	1.4	113
154	Optical Drug Monitoring: Photoacoustic Imaging of Nanosensors to Monitor Therapeutic Lithium <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 1692-1698.	7.3	113
155	A review of snapshot multidimensional optical imaging: Measuring photon tags in parallel. <i>Physics Reports</i> , 2016, 616, 1-37.	10.3	113
156	Noninvasive, in vivo imaging of blood-oxygenation dynamics within the mouse brain using photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2009, 14, 020502.	1.4	112
157	Near-infrared optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2014, 39, 5192.	1.7	112
158	Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo. <i>Inverse Problems</i> , 2007, 23, S113-S122.	1.0	111
159	Photoimprint Photoacoustic Microscopy for Three-Dimensional Label-Free Subdiffraction Imaging. <i>Physical Review Letters</i> , 2014, 112, 014302.	2.9	111
160	In-vivo photoacoustic microscopy of nanoshell extravasation from solid tumor vasculature. <i>Journal of Biomedical Optics</i> , 2009, 14, 010507.	1.4	110
161	Quantitative photoacoustic imaging: correcting for heterogeneous light fluence distributions using diffuse optical tomography. <i>Journal of Biomedical Optics</i> , 2011, 16, 096016.	1.4	110
162	A 25-mm diameter probe for photoacoustic and ultrasonic endoscopy. <i>Optics Express</i> , 2012, 20, 23944.	1.7	110

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163	Photoacoustic tomography of biological tissues with high cross-section resolution: Reconstruction and experiment. <i>Medical Physics</i> , 2002, 29, 2799-2805.	1.6	108
164	On the speckle-free nature of photoacoustic tomography. <i>Medical Physics</i> , 2009, 36, 4084-4088.	1.6	108
165	In vivo photoacoustic microscopy of human cutaneous microvasculature and a nevus. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	1.4	107
166	Curved array photoacoustic tomographic system for small animal imaging. <i>Journal of Biomedical Optics</i> , 2008, 13, 024007.	1.4	106
167	Photoacoustic tomography through a whole adult human skull with a photon recycler. <i>Journal of Biomedical Optics</i> , 2012, 17, 110506.	1.4	105
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