Lihong V Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2290639/publications.pdf

Version: 2024-02-01

931	74,054	511 128	784 248
papers	citations	h-index	g-index

960	960	960	32376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoacoustic Tomography: In Vivo Imaging from Organelles to Organs. Science, 2012, 335, 1458-1462.	12.6	3,534
2	MCMLâ€"Monte Carlo modeling of light transport in multi-layered tissues. Computer Methods and Programs in Biomedicine, 1995, 47, 131-146.	4.7	2,884
3	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	7.1	2,703
4	Photoacoustic imaging in biomedicine. Review of Scientific Instruments, 2006, 77, 041101.	1.3	2,068
5	Functional photoacoustic microscopy for high-resolution and noninvasive in vivo imaging. Nature Biotechnology, 2006, 24, 848-851.	17.5	1,690
6	Noninvasive laser-induced photoacoustic tomography for structural and functional in vivo imaging of the brain. Nature Biotechnology, 2003, 21, 803-806.	17.5	1,597
7	Looking and listening to light: the evolution of whole-body photonic imaging. Nature Biotechnology, 2005, 23, 313-320.	17.5	1,482
8	Gold nanocages covered by smart polymers for controlled release with near-infrared light. Nature Materials, 2009, 8, 935-939.	27.5	1,335
9	Fullerenes with metals inside. The Journal of Physical Chemistry, 1991, 95, 7564-7568.	2.9	1,248
10	Multiscale photoacoustic microscopy and computed tomography. Nature Photonics, 2009, 3, 503-509.	31.4	1,222
11	Porphysome nanovesicles generated by porphyrin bilayers for use as multimodal biophotonic contrast agents. Nature Materials, 2011, 10, 324-332.	27.5	1,219
12	A practical guide to photoacoustic tomography in the life sciences. Nature Methods, 2016, 13, 627-638.	19.0	947
13	Universal back-projection algorithm for photoacoustic computed tomography. Physical Review E, 2005, 71, 016706.	2.1	909
14	Gold nanostructures: a class of multifunctional materials for biomedical applications. Chemical Society Reviews, 2011, 40, 44-56.	38.1	727
15	In Vivo Photoacoustic Tomography of Chemicals: High-Resolution Functional and Molecular Optical Imaging at New Depths. Chemical Reviews, 2010, 110, 2756-2782.	47.7	712
16	Optical-resolution photoacoustic microscopy for in vivo imaging of single capillaries. Optics Letters, 2008, 33, 929.	3.3	710
17	Comparison Study of Gold Nanohexapods, Nanorods, and Nanocages for Photothermal Cancer Treatment. ACS Nano, 2013, 7, 2068-2077.	14.6	557
18	High-speed label-free functional photoacoustic microscopy of mouse brain in action. Nature Methods, 2015, 12, 407-410.	19.0	555

#	ARTICLE	IF	CITATIONS
19	Photoacoustic tomography and sensing in biomedicine. Physics in Medicine and Biology, 2009, 54, R59-R97.	3.0	539
20	Tutorial on Photoacoustic Microscopy and Computed Tomography. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 171-179.	2.9	455
21	Single-shot compressed ultrafast photography at one hundred billion frames per second. Nature, 2014, 516, 74-77.	27.8	450
22	Photoacoustic Tomography of a Nanoshell Contrast Agent in the in Vivo Rat Brain. Nano Letters, 2004, 4, 1689-1692.	9.1	447
23	Prospects of photoacoustic tomography. Medical Physics, 2008, 35, 5758-5767.	3.0	433
24	In Vivo Molecular Photoacoustic Tomography of Melanomas Targeted by Bioconjugated Gold Nanocages. ACS Nano, 2010, 4, 4559-4564.	14.6	431
25	Time-reversed ultrasonically encoded optical focusing into scattering media. Nature Photonics, 2011, 5, 154-157.	31.4	418
26	PHOTOACOUSTIC TOMOGRAPHY: PRINCIPLES AND ADVANCES (Invited Review). Progress in Electromagnetics Research, 2014, 147, 1-22.	4.4	414
27	In vivo dark-field reflection-mode photoacoustic microscopy. Optics Letters, 2005, 30, 625.	3.3	405
28	Photoacoustic Tomography of a Rat Cerebral Cortex in vivo with Au Nanocages as an Optical Contrast Agent. Nano Letters, 2007, 7, 3798-3802.	9.1	404
29	Noninvasive imaging of hemoglobin concentration and oxygenation in the rat brain using high-resolution photoacoustic tomography. Journal of Biomedical Optics, 2006, 11, 024015.	2.6	400
30	A New Theranostic System Based on Gold Nanocages and Phase-Change Materials with Unique Features for Photoacoustic Imaging and Controlled Release. Journal of the American Chemical Society, 2011, 133, 4762-4765.	13.7	382
31	Second-generation optical-resolution photoacoustic microscopy with improved sensitivity and speed. Optics Letters, 2011, 36, 1134.	3.3	378
32	Simultaneous functional photoacoustic and ultrasonic endoscopy of internal organs in vivo. Nature Medicine, 2012, 18, 1297-1302.	30.7	378
33	Photoacoustic microscopy. Laser and Photonics Reviews, 2013, 7, 758-778.	8.7	377
34	Near-Infrared Gold Nanocages as a New Class of Tracers for Photoacoustic Sentinel Lymph Node Mapping on a Rat Model. Nano Letters, 2009, 9, 183-188.	9.1	365
35	Time-domain reconstruction for thermoacoustic tomography in a spherical geometry. IEEE Transactions on Medical Imaging, 2002, 21, 814-822.	8.9	364
36	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. Nature Biomedical Engineering, 2017, 1, .	22.5	334

#	Article	IF	Citations
37	Deeply penetrating photoacoustic tomography in biological tissues enhanced with an optical contrast agent. Optics Letters, 2005, 30, 507.	3.3	325
38	Photoacoustic imaging and characterization of the microvasculature. Journal of Biomedical Optics, 2010, 15, 011101.	2.6	324
39	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines in vivo. Science Robotics, 2019, 4, .	17.6	321
40	Reconstructions in limited-view thermoacoustic tomography. Medical Physics, 2004, 31, 724-733.	3.0	319
41	Radioactive ¹⁹⁸Au-Doped Nanostructures with Different Shapes for In Vivo Analyses of Their Biodistribution, Tumor Uptake, and Intratumoral Distribution. ACS Nano, 2014, 8, 4385-4394.	14.6	312
42	Imaging of hemoglobin oxygen saturation variations in single vesselsin vivousing photoacoustic microscopy. Applied Physics Letters, 2007, 90, 053901.	3.3	310
43	Two-dimensional depth-resolved Mueller matrix characterization of biological tissue by optical coherence tomography. Optics Letters, 1999, 24, 537.	3.3	303
44	Practical reconstruction method for bioluminescence tomography. Optics Express, 2005, 13, 6756.	3.4	299
45	Single-breath-hold photoacoustic computed tomography of the breast. Nature Communications, 2018, 9, 2352.	12.8	290
46	Photoacoustic imaging of living mouse brain vasculature using hollow gold nanospheres. Biomaterials, 2010, 31, 2617-2626.	11.4	289
47	Tutorial on photoacoustic tomography. Journal of Biomedical Optics, 2016, 21, 061007.	2.6	287
48	Simultaneous Molecular and Hypoxia Imaging of Brain Tumors In Vivo Using Spectroscopic Photoacoustic Tomography. Proceedings of the IEEE, 2008, 96, 481-489.	21.3	286
49	Sensitivity of photoacoustic microscopy. Photoacoustics, 2014, 2, 87-101.	7.8	283
50	Label-free oxygen-metabolic photoacoustic microscopy in vivo. Journal of Biomedical Optics, 2011, 16, 076003.	2.6	278
51	High-resolution photoacoustic tomography of resting-state functional connectivity in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 21-26.	7.1	276
52	Propagation of polarized light in birefringent turbid media: A Monte Carlo study. Journal of Biomedical Optics, 2002, 7, 279.	2.6	262
53	Subwavelength-resolution label-free photoacoustic microscopy of optical absorption in vivo. Optics Letters, 2010, 35, 3195.	3.3	251
54	Convâ€”convolution for responses to a finite diameter photon beam incident on multi-layered tissues. Computer Methods and Programs in Biomedicine, 1997, 54, 141-150.	4.7	250

#	ARTICLE	IF	CITATIONS
55	Exact frequency-domain reconstruction for thermoacoustic tomography. I. Planar geometry. IEEE Transactions on Medical Imaging, 2002, 21, 823-828.	8.9	249
56	Photoacoustically guided wavefront shaping for enhanced optical focusing in scattering media. Nature Photonics, 2015, 9, 126-132.	31.4	249
57	Continuous-wave ultrasonic modulation of scattered laser light to image objects in turbid media. Optics Letters, 1995, 20, 629.	3.3	248
58	Three-dimensional imaging of skin melanoma in vivo by dual-wavelength photoacoustic microscopy. Journal of Biomedical Optics, 2006, 11, 034032.	2.6	242
59	Noninvasive photoacoustic angiography of animal brains in vivo with near-infrared light and an optical contrast agent. Optics Letters, 2004, 29, 730.	3.3	241
60	Deeply penetrating in vivo photoacoustic imaging using a clinical ultrasound array system. Biomedical Optics Express, 2010, 1, 278.	2.9	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.	7.3	232
62	Sentinel Lymph Nodes in the Rat: Noninvasive Photoacoustic and US Imaging with a Clinical US System. Radiology, 2010, 256, 102-110.	7.3	225
63	Time-domain reconstruction algorithms and numerical simulations for thermoacoustic tomography in various geometries. IEEE Transactions on Biomedical Engineering, 2003, 50, 1086-1099.	4.2	222
64	Photoacoustic endoscopy. Optics Letters, 2009, 34, 1591.	3.3	217
65	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. Advanced Functional Materials, 2010, 20, 3684-3694.	14.9	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.	2.1	214
67	A real-time photoacoustic tomography system for small animals. Optics Express, 2009, 17, 10489.	3.4	212
68	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. Nature Methods, 2016, 13, 67-73.	19.0	206
69	Nanoparticles for photoacoustic imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2009, 1, 360-368.	6.1	204
70	Three-dimensional laser-induced photoacoustic tomography of mouse brain with the skin and skull intact. Optics Letters, 2003, 28, 1739.	3.3	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.	3.3	202
72	Full-Wave Iterative Image Reconstruction in Photoacoustic Tomography With Acoustically Inhomogeneous Media. IEEE Transactions on Medical Imaging, 2013, 32, 1097-1110.	8.9	201

#	ARTICLE	IF	CITATIONS
73	Multiple-bandwidth photoacoustic tomography. Physics in Medicine and Biology, 2004, 49, 1329-1338.	3.0	200
74	Thermoacoustic and photoacoustic sensing of temperature. Journal of Biomedical Optics, 2009, 14, 054024.	2.6	199
75	Noninvasive photoacoustic computed tomography of mouse brain metabolism in vivo. NeuroImage, 2013, 64, 257-266.	4.2	199
76	Effects of Photoacoustic Imaging and Photothermal Ablation Therapy Mediated by Targeted Hollow Gold Nanospheres in an Orthotopic Mouse Xenograft Model of Glioma. Cancer Research, 2011, 71, 6116-6121.	0.9	196
77	Noninvasive photoacoustic identification of sentinel lymph nodes containing methylene blue in vivo in a rat model. Journal of Biomedical Optics, 2008, 13, 054033.	2.6	191
78	Single-cell label-free photoacoustic flowoxigraphy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5759-5764.	7.1	191
79	Jones-matrix imaging of biological tissues with quadruple-channel optical coherence tomography. Journal of Biomedical Optics, 2002, 7, 350.	2.6	189
80	Imaging of tumor angiogenesis in rat brains in vivo by photoacoustic tomography. Applied Optics, 2005, 44, 770.	2.1	189
81	Photoacoustic Microscopy and Computed Tomography: From Bench to Bedside. Annual Review of Biomedical Engineering, 2014, 16, 155-185.	12.3	188
82	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. Science Advances, 2017, 3, e1602168.	10.3	187
83	Small-Animal Whole-Body Photoacoustic Tomography: A Review. IEEE Transactions on Biomedical Engineering, 2014, 61, 1380-1389.	4.2	185
84	In vivo label-free photoacoustic microscopy of cell nuclei by excitation of DNA and RNA. Optics Letters, 2010, 35, 4139.	3.3	184
85	Noninvasive Photoacoustic and Fluorescence Sentinel Lymph Node Identification using Dye-Loaded Perfluorocarbon Nanoparticles. ACS Nano, 2011, 5, 173-182.	14.6	184
86	In vivo photoacoustic imaging of transverse blood flow by using Doppler broadening of bandwidth. Optics Letters, 2010, 35, 1419.	3.3	182
87	In vivo imaging of subcutaneous structures using functional photoacoustic microscopy. Nature Protocols, 2007, 2, 797-804.	12.0	181
88	Fast voice-coil scanning optical-resolution photoacoustic microscopy. Optics Letters, 2011, 36, 139.	3.3	180
89	Anisotropy in the absorption and scattering spectra of chicken breast tissue. Applied Optics, 1998, 37, 798.	2.1	179
90	Microwave-induced acoustic imaging of biological tissues. Review of Scientific Instruments, 1999, 70, 3744-3748.	1.3	178

#	Article	IF	Citations
91	Time Reversal and Its Application to Tomography with Diffracting Sources. Physical Review Letters, 2004, 92, 033902.	7.8	177
92	Dual-Modality Photoacoustic and Ultrasound Imaging System for Noninvasive Sentinel Lymph Node Detection in Patients with Breast Cancer. Scientific Reports, 2015, 5, 15748.	3.3	175
93	Ultrasound-Mediated Biophotonic Imaging: A Review of Acousto-Optical Tomography and Photo-Acoustic Tomography. Disease Markers, 2004, 19, 123-138.	1.3	174
94	Improved in vivo photoacoustic microscopy based on a virtual-detector concept. Optics Letters, 2006, 31, 474.	3.3	167
95	Design and evaluation of a novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography. Medical Physics, 2008, 35, 2218-2223.	3.0	167
96	Photoacoustic tomography: fundamentals, advances and prospects. Contrast Media and Molecular Imaging, 2011, 6, 332-345.	0.8	167
97	Light backscattering polarization patterns from turbid media: theory and experiment. Applied Optics, 1999, 38, 3399.	2.1	165
98	Monte Carlo simulation of an optical coherence tomography signal in homogeneous turbid media. Physics in Medicine and Biology, 1999, 44, 2307-2320.	3.0	164
99	Use of a laser beam with an oblique angle of incidence to measure the reduced scattering coefficient of a turbid medium. Applied Optics, 1995, 34, 2362.	2.1	161
100	Photoacoustic imaging of lacZ gene expression in vivo. Journal of Biomedical Optics, 2007, 12, 020504.	2.6	161
101	A green synthesis of carbon nanoparticles from honey and their use in real-time photoacoustic imaging. Nano Research, 2013, 6, 312-325.	10.4	161
102	Molecular photoacoustic imaging of angiogenesis with integrinâ€targeted gold nanobeacons. FASEB Journal, 2011, 25, 875-882.	0.5	160
103	Mechanisms of Ultrasonic Modulation of Multiply Scattered Coherent Light: An Analytic Model. Physical Review Letters, 2001, 87, 043903.	7.8	159
104	VEGF is essential for hypoxia-inducible factor-mediated neovascularization but dispensable for endothelial sprouting. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13264-13269.	7.1	159
105	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. Nature Photonics, 2019, 13, 609-615.	31.4	158
106	Exact frequency-domain reconstruction for thermoacoustic tomography. II. Cylindrical geometry. IEEE Transactions on Medical Imaging, 2002, 21, 829-833.	8.9	157
107	Deepâ€Tissue Photoacoustic Tomography of a Genetically Encoded Nearâ€Infrared Fluorescent Probe. Angewandte Chemie - International Edition, 2012, 51, 1448-1451.	13.8	156
108	Optical focusing deep inside dynamic scattering media with near-infrared time-reversed ultrasonically encoded (TRUE) light. Nature Communications, 2015, 6, 5904.	12.8	156

#	ARTICLE	IF	CITATIONS
109	Deep reflection-mode photoacoustic imaging of biological tissue. Journal of Biomedical Optics, 2007, 12, 060503.	2.6	155
110	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. Biomaterials, 2010, 31, 4088-4093.	11.4	154
111	Optical-fiber-based Mueller optical coherence tomography. Optics Letters, 2003, 28, 1206.	3.3	151
112	Functional transcranial brain imaging by optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2009, 14, 1.	2.6	151
113	Single-walled carbon nanotubes as a multimodal-thermoacoustic and photoacoustic-contrast agent. Journal of Biomedical Optics, 2009, 14, 034018.	2.6	151
114	Photoacoustic Doppler Effect from Flowing Small Light-Absorbing Particles. Physical Review Letters, 2007, 99, 184501.	7.8	146
115	Hybrid model of Monte Carlo simulation and diffusion theory for light reflectance by turbid media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 1746.	1.5	145
116	Noninvasive in vivo spectroscopic nanorod-contrast photoacoustic mapping of sentinel lymph nodes. European Journal of Radiology, 2009, 70, 227-231.	2.6	145
117	Photoacoustic brain imaging: from microscopic to macroscopic scales. Neurophotonics, 2014, 1, 011003.	3.3	144
118	Whole-body ring-shaped confocal photoacoustic computed tomography of small animals in vivo. Journal of Biomedical Optics, 2012, 17, 1.	2.6	143
119	Depth-resolved two-dimensional Stokes vectors of backscattered light and Mueller matrices of biological tissue measured with optical coherence tomography. Applied Optics, 2000, 39, 6318.	2.1	142
120	Thermoacoustic and Photoacoustic Tomography of Thick Biological Tissues toward Breast Imaging. Technology in Cancer Research and Treatment, 2005, 4, 559-565.	1.9	142
121	Compressed sensing in photoacoustic tomography in vivo. Journal of Biomedical Optics, 2010, 15, 021311.	2.6	141
122	Scanning microwave-induced thermoacoustic tomography: Signal, resolution, and contrast. Medical Physics, 2001, 28, 4-10.	3.0	138
123	Label-free photoacoustic ophthalmic angiography. Optics Letters, 2010, 35, 1.	3.3	138
124	Monte Carlo Modeling of Light Transport in Tissues. , 1995, , 73-100.		138
125	Single-shot ultrafast optical imaging. Optica, 2018, 5, 1113.	9.3	136
126	Handheld array-based photoacoustic probe for guiding needle biopsy of sentinel lymph nodes. Journal of Biomedical Optics, 2010, 15, 1.	2.6	134

#	ARTICLE	IF	CITATIONS
127	Measurement and calculation of the two-dimensional backscattering Mueller matrix of a turbid medium. Optics Letters, 1998, 23, 485.	3.3	132
128	Photoacoustic imaging of biological tissue with intensity-modulated continuous-wave laser. Journal of Biomedical Optics, 2008, 13, 024006.	2.6	132
129	Label-Free Bond-Selective Imaging by Listening to Vibrationally Excited Molecules. Physical Review Letters, 2011, 106, 238106.	7.8	132
130	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. Nanoscale, 2011, 3, 1724.	5.6	130
131	Measurement of tissue optical properties by the use of oblique-incidence optical fiber reflectometry. Applied Optics, 1997, 36, 136.	2.1	128
132	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. Optica, 2017, 4, 280.	9.3	127
133	A mouse optical simulation environment (MOSE) to investigate bioluminescent phenomena in the living mouse with the monte carlo method1. Academic Radiology, 2004, 11, 1029-1038.	2.5	126
134	Grueneisen Relaxation Photoacoustic Microscopy. Physical Review Letters, 2014, 113, 174301.	7.8	126
135	The influence of boundary conditions on the accuracy of diffusion theory in time-resolved reflectance spectroscopy of biological tissues. Physics in Medicine and Biology, 1995, 40, 1957-1975.	3.0	124
136	Thermoacoustic tomography with correction for acoustic speed variations. Physics in Medicine and Biology, 2006, 51, 6437-6448.	3.0	124
137	Label-free photoacoustic nanoscopy. Journal of Biomedical Optics, 2014, 19, 1.	2.6	124
138	Scanning thermoacoustic tomography in biological tissue. Medical Physics, 2000, 27, 1195-1202.	3.0	123
139	Wide-field fast-scanning photoacoustic microscopy based on a water-immersible MEMS scanning mirror. Journal of Biomedical Optics, 2012, 17, 1.	2.6	122
140	Determination of local polarization properties of biological samples in the presence of diattenuation by use of Mueller optical coherence tomography. Optics Letters, 2004, 29, 2402.	3.3	121
141	In vivo volumetric imaging of subcutaneous microvasculature by photoacoustic microscopy. Optics Express, 2006, 14, 9317.	3.4	121
142	In vivocarbon nanotube-enhanced non-invasive photoacoustic mapping of the sentinel lymph node. Physics in Medicine and Biology, 2009, 54, 3291-3301.	3.0	120
143	Measuring the Optical Absorption Cross Sections of Auâ^'Ag Nanocages and Au Nanorods by Photoacoustic Imaging. Journal of Physical Chemistry C, 2009, 113, 9023-9028.	3.1	120
144	Time-reversed adapted-perturbation (TRAP) optical focusing onto dynamic objects inside scattering media. Nature Photonics, 2014, 8, 931-936.	31.4	119

#	ARTICLE	IF	CITATIONS
145	Electronic structure of small GaAs clusters. Journal of Chemical Physics, 1991, 94, 8015-8020.	3.0	118
146	Real-time photoacoustic tomography of cortical hemodynamics in small animals. Journal of Biomedical Optics, 2010, 15, 010509.	2.6	116
147	In vivo integrated photoacoustic and confocal microscopy of hemoglobin oxygen saturation and oxygen partial pressure. Optics Letters, 2011, 36, 1029.	3.3	116
148	Effects of acoustic heterogeneity in breast thermoacoustic tomography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1134-1146.	3.0	115
149	Noninvasive label-free imaging of microhemodynamics by optical-resolution photoacoustic microscopy. Optics Express, 2009, 17, 7688.	3.4	115
150	The emerging role of photoacoustic imaging in clinical oncology. Nature Reviews Clinical Oncology, 2022, 19, 365-384.	27.6	115
151	Pulsed-microwave-induced thermoacoustic tomography: Filtered backprojection in a circular measurement configuration. Medical Physics, 2002, 29, 1661-1669.	3.0	113
152	Half-time image reconstruction in thermoacoustic tomography. IEEE Transactions on Medical Imaging, 2005, 24, 199-210.	8.9	113
153	In vivo photoacoustic microscopy with 7.6-Âµm axial resolution using a commercial 125-MHz ultrasonic transducer. Journal of Biomedical Optics, 2012, 17, 1.	2.6	113
154	Optical Drug Monitoring: Photoacoustic Imaging of Nanosensors to Monitor Therapeutic Lithium in Vivo. ACS Nano, 2015, 9, 1692-1698.	14.6	113
155	A review of snapshot multidimensional optical imaging: Measuring photon tags in parallel. Physics Reports, 2016, 616, 1-37.	25.6	113
156	Noninvasive, in vivo imaging of blood-oxygenation dynamics within the mouse brain using photoacoustic microscopy. Journal of Biomedical Optics, 2009, 14, 020502.	2.6	112
157	Near-infrared optical-resolution photoacoustic microscopy. Optics Letters, 2014, 39, 5192.	3.3	112
158	Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo. Inverse Problems, 2007, 23, S113-S122.	2.0	111
159	Photoimprint Photoacoustic Microscopy for Three-Dimensional Label-Free Subdiffraction Imaging. Physical Review Letters, 2014, 112, 014302.	7.8	111
160	In-vivo photoacoustic microscopy of nanoshell extravasation from solid tumor vasculature. Journal of Biomedical Optics, 2009, 14, 010507.	2.6	110
161	Quantitative photoacoustic imaging: correcting for heterogeneous light fluence distributions using diffuse optical tomography. Journal of Biomedical Optics, 2011, 16, 096016.	2.6	110
162	A 25-mm diameter probe for photoacoustic and ultrasonic endoscopy. Optics Express, 2012, 20, 23944.	3.4	110

#	ARTICLE	IF	CITATIONS
163	Photoacoustic tomography of biological tissues with high cross-section resolution: Reconstruction and experiment. Medical Physics, 2002, 29, 2799-2805.	3.0	108
164	On the speckleâ€free nature of photoacoustic tomography. Medical Physics, 2009, 36, 4084-4088.	3.0	108
165	In vivo photoacoustic microscopy of human cutaneous microvasculature and a nevus. Journal of Biomedical Optics, 2011, 16, 1.	2.6	107
166	Curved array photoacoustic tomographic system for small animal imaging. Journal of Biomedical Optics, 2008, 13, 024007.	2.6	106
167	Photoacoustic tomography through a whole adult human skull with a photon recycler. Journal of Biomedical Optics, 2012, 17, 110506.	2.6	105
168	Graphene-based contrast agents for photoacoustic and thermoacoustic tomography. Photoacoustics, 2013, 1, 62-67.	7.8	104
169	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. Nature Communications, 2017, 8, 1386.	12.8	104
170	Reflection-mode submicron-resolution in vivo photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 020501.	2.6	102
171	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. Science Advances, 2017, 3, e1601814.	10.3	101
172	Limitations of quantitative photoacoustic measurements of blood oxygenation in small vessels. Physics in Medicine and Biology, 2007, 52, 1349-1361.	3.0	100
173	Three-dimensional combined photoacoustic and optical coherence microscopy for in vivo microcirculation studies. Optics Express, 2009, 17, 16450.	3.4	100
174	In vivo photoacoustic mapping of lymphatic systems with plasmon-resonant nanostars. Journal of Materials Chemistry, 2011, 21, 2841.	6.7	100
175	Gold nanocages as contrast agents for photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 370-377.	0.8	100
176	Single-shot real-time femtosecond imaging of temporal focusing. Light: Science and Applications, 2018, 7, 42.	16.6	100
177	Noise-equivalent sensitivity of photoacoustics. Journal of Biomedical Optics, 2013, 18, 097003.	2.6	99
178	High-resolution ultrasound-modulated optical tomography in biological tissues. Optics Letters, 2004, 29, 2770.	3.3	98
179	Handheld photoacoustic microscopy to detect melanoma depth in vivo. Optics Letters, 2014, 39, 4731.	3.3	98
180	Monte Carlo model and single-scattering approximation of the propagation of polarized light in turbid media containing glucose. Applied Optics, 2002, 41, 792.	2.1	97

#	ARTICLE	IF	CITATIONS
181	Multifunctional microbubbles and nanobubbles for photoacoustic and ultrasound imaging. Journal of Biomedical Optics, 2010, 15, 010510.	2.6	97
182	Massively parallel functional photoacoustic computed tomography of the human brain. Nature Biomedical Engineering, 2022, 6, 584-592.	22.5	97
183	Rhesus monkey brain imaging through intact skull with thermoacoustic tomography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 542-548.	3.0	96
184	Photoacoustic imaging of the microvasculature with a high-frequency ultrasound array transducer. Journal of Biomedical Optics, 2007, 12, 010501.	2.6	96
185	DNA-PKcs Dependence of Artemis Endonucleolytic Activity, Differences between Hairpins and 5â€² or 3â€² Overhangs. Journal of Biological Chemistry, 2006, 281, 33900-33909.	3.4	95
186	Mechanisms of ultrasonic modulation of multiply scattered coherent light: a Monte Carlo model. Optics Letters, 2001, 26, 1191.	3.3	94
187	Ultralong photonic nanojet formed by a two-layer dielectric microsphere. Optics Letters, 2014, 39, 4120.	3.3	93
188	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. Angewandte Chemie - International Edition, 2009, 48, 4170-4173.	13.8	92
189	Photoacoustic Sentinel Lymph Node Imaging with Self-Assembled Copper Neodecanoate Nanoparticles. ACS Nano, 2012, 6, 1260-1267.	14.6	92
190	Labeling Human Mesenchymal Stem Cells with Gold Nanocages for in vitro and in vivo Tracking by Two-Photon Microscopy and Photoacoustic Microscopy. Theranostics, 2013, 3, 532-543.	10.0	92
191	Photoacoustic measurement of the GrÃ¼neisen parameter of tissue. Journal of Biomedical Optics, 2014, 19, 017007.	2.6	92
192	Propagation of polarized light in turbid media: simulated animation sequences. Optics Express, 2000, 7, 198.	3.4	90
193	Theoretical and experimental studies of ultrasound-modulated optical tomography in biological tissue. Applied Optics, 2000, 39, 659.	2.1	90
194	Hybrid-scanning optical-resolution photoacoustic microscopy for in vivo vasculature imaging. Optics Letters, 2010, 35, 1521.	3.3	88
195	Ultrasound-modulated optical tomography of biological tissue by use of contrast of laser speckles. Applied Optics, 2002, 41, 6030.	2.1	87
196	Performance benchmarks of an array-based hand-held photoacoustic probe adapted from a clinical ultrasound system for non-invasive sentinel lymph node imaging. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4644-4650.	3.4	87
197	Label-free photoacoustic microscopy of cytochromes. Journal of Biomedical Optics, 2013, 18, 020504.	2.6	87
198	Polarized light propagation through scattering media: time-resolved Monte Carlo simulations and experiments. Journal of Biomedical Optics, 2003, 8, 608.	2.6	86

#	ARTICLE	IF	CITATIONS
199	Optical-Resolution Photoacoustic Microscopy: Auscultation of Biological Systems at the Cellular Level. Biophysical Journal, 2013, 105, 841-847.	0.5	86
200	Enhancement of photoacoustic tomography by ultrasonic computed tomography based on optical excitation of elements of a full-ring transducer array. Optics Letters, 2013, 38, 3140.	3.3	86
201	Multicontrast photoacoustic in vivo imaging using near-infrared fluorescent proteins. Scientific Reports, 2014, 4, 3939.	3.3	86
202	Highâ€resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. Journal of Biophotonics, 2018, 11, e201700024.	2.3	86
203	In Vivo Quantitative Evaluation of the Transport Kinetics of Gold Nanocages in a Lymphatic System by Noninvasive Photoacoustic Tomography. ACS Nano, 2011, 5, 9658-9667.	14.6	84
204	Imaging acute thermal burns by photoacoustic microscopy. Journal of Biomedical Optics, 2006, 11, 054033.	2.6	83
205	Intravital imaging of amyloid plaques in a transgenic mouse model using optical-resolution photoacoustic microscopy. Optics Letters, 2009, 34, 3899.	3.3	83
206	Frequency-swept ultrasound-modulated optical tomography of scattering media. Optics Letters, 1998, 23, 975.	3.3	80
207	Effects of acoustic heterogeneities on transcranial brain imaging with microwave-induced thermoacoustic tomography. Medical Physics, 2008, 35, 3205-3214.	3.0	80
208	Single-shot ultrafast imaging attaining 70 trillion frames per second. Nature Communications, 2020, 11, 2091.	12.8	80
209	Conditional HIF-1 induction produces multistage neovascularization with stage-specific sensitivity to VEGFR inhibitors and myeloid cell independence. Blood, 2011, 117, 4142-4153.	1.4	79
210	Ultrasound-modulated optical tomography of absorbing objects buried in dense tissue-simulating turbid media. Applied Optics, 1997, 36, 7277.	2.1	78
211	Realtime photoacoustic microscopy in vivo with a 30-MHz ultrasound array transducer. Optics Express, 2008, 16, 7915.	3.4	77
212	Aberration correction for transcranial photoacoustic tomography of primates employing adjunct image data. Journal of Biomedical Optics, 2012, 17, 066016.	2.6	77
213	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. Nature Communications, 2018, 9, 2734.	12.8	77
214	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. Nature Communications, 2021, 12, 882.	12.8	77
215	Monkey brain cortex imaging by photoacoustic tomography. Journal of Biomedical Optics, 2008, 13, 044009.	2.6	76
216	Contrast mechanisms in polarization-sensitive Mueller-matrix optical coherence tomography and application in burn imaging. Applied Optics, 2003, 42, 5191.	2.1	75

#	ARTICLE	IF	CITATIONS
217	Fiber-laser-based photoacoustic microscopy and melanoma cell detection. Journal of Biomedical Optics, 2011, 16, 011014.	2.6	75
218	Recent progress in photoacoustic molecular imaging. Current Opinion in Chemical Biology, 2018, 45, 104-112.	6.1	75
219	Ammonia chemisorption on gallium arsenide clusters. Chemical Physics Letters, 1990, 172, 335-340.	2.6	74
220	Integrated Photoacoustic and Fluorescence Confocal Microscopy. IEEE Transactions on Biomedical Engineering, 2010, 57, 2576-2578.	4.2	74
221	The Challenge of Connecting the Dots in the B.R.A.I.N.. Neuron, 2013, 80, 270-274.	8.1	73
222	Optical-resolution photoacoustic endomicroscopy in vivo. Biomedical Optics Express, 2015, 6, 918.	2.9	73
223	Pulsed ultrasound-modulated optical tomography using spectral-hole burning as a narrowband spectral filter. Applied Physics Letters, 2008, 93, 11111.	3.3	72
224	Neurovascular photoacoustic tomography. Frontiers in Neuroenergetics, 2010, 2, 10.	5.3	72
225	Absolute photoacoustic thermometry in deep tissue. Optics Letters, 2013, 38, 5228.	3.3	72
226	Photoacoustic microscopy of tyrosinase reporter gene in vivo. Journal of Biomedical Optics, 2011, 16, 080503.	2.6	71
227	Dependence of optical scattering from Intralipid in gelatin-gel based tissue-mimicking phantoms on mixing temperature and time. Journal of Biomedical Optics, 2014, 19, 035002.	2.6	71
228	Frequency-swept ultrasound-modulated optical tomography in biological tissue by use of parallel detection. Optics Letters, 2000, 25, 734.	3.3	70
229	Calibration-free absolute quantification of optical absorption coefficients using acoustic spectra in 3D photoacoustic microscopy of biological tissue. Optics Letters, 2010, 35, 2067.	3.3	70
230	Three-dimensional photoacoustic tomography based on the focal-line concept. Journal of Biomedical Optics, 2011, 16, 1.	2.6	70
231	In vivo functional photoacoustic microscopy of cutaneous microvasculature in human skin. Journal of Biomedical Optics, 2011, 16, 026004.	2.6	70
232	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. Nature Photonics, 2020, 14, 164-170.	31.4	70
233	Evans blue dye-enhanced capillary-resolution photoacoustic microscopy in vivo. Journal of Biomedical Optics, 2009, 14, 1.	2.6	69
234	Multi-parametric quantitative microvascular imaging with optical-resolution photoacoustic microscopy in vivo. Optics Express, 2014, 22, 1500.	3.4	69

#	ARTICLE	IF	CITATIONS
235	Fully motorized optical-resolution photoacoustic microscopy. Optics Letters, 2014, 39, 2117.	3.3	69
236	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. Scientific Reports, 2016, 6, 39616.	3.3	69
237	Photoacoustic tomography of water in phantoms and tissue. Journal of Biomedical Optics, 2010, 15, 036019.	2.6	68
238	Label-free photoacoustic microscopy of peripheral nerves. Journal of Biomedical Optics, 2014, 19, 1.	2.6	68
239	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. Journal of Biomedical Optics, 2015, 20, 1.	2.6	68
240	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. Nature Communications, 2017, 8, 780.	12.8	68
241	Performance characterization of an integrated ultrasound, photoacoustic, and thermoacoustic imaging system. Journal of Biomedical Optics, 2012, 17, 056010.	2.6	67
242	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. Light: Science and Applications, 2019, 8, 36.	16.6	67
243	Fast 3-D dark-field reflection-mode photoacoustic microscopy in vivo with a 30-MHz ultrasound linear array. Journal of Biomedical Optics, 2008, 13, 1.	2.6	66
244	Real-time four-dimensional optical-resolution photoacoustic microscopy with Au nanoparticle-assisted subdiffraction-limit resolution. Optics Letters, 2011, 36, 1137.	3.3	66
245	Compressed-sensing photoacoustic computed tomography in vivo with partially known support. Optics Express, 2012, 20, 16510.	3.4	66
246	Transverse flow imaging based on photoacoustic Doppler bandwidth broadening. Journal of Biomedical Optics, 2010, 15, 1.	2.6	65
247	In vivo functional chronic imaging of a small animal model using opticalâ€resolution photoacoustic microscopy. Medical Physics, 2009, 36, 2320-2323.	3.0	64
248	High-speed dynamic 3D photoacoustic imaging of sentinel lymph node in a murine model using an ultrasound array. Medical Physics, 2009, 36, 3724-3729.	3.0	64
249	Effects of light scattering on optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 126014.	2.6	64
250	Investigation of Neovascularization in Three-Dimensional Porous Scaffolds In Vivo by a Combination of Multiscale Photoacoustic Microscopy and Optical Coherence Tomography. Tissue Engineering - Part C: Methods, 2013, 19, 196-204.	2.1	64
251	Skin cancer detection by spectroscopic oblique-incidence reflectometry: classification and physiological origins. Applied Optics, 2004, 43, 2643.	2.1	63
252	Photoacoustic computed tomography correcting for heterogeneity and attenuation. Journal of Biomedical Optics, 2012, 17, 061211.	2.6	63

#	ARTICLE	IF	CITATIONS
253	In Vivo Diagnosis of Melanoma and Nonmelanoma Skin Cancer Using Oblique Incidence Diffuse Reflectance Spectrometry. Cancer Research, 2012, 72, 2738-2745.	0.9	63
254	Ultrasonically Encoded Photoacoustic Flowgraphy in Biological Tissue. Physical Review Letters, 2013, 111, 204301.	7.8	63
255	Detection of ultrasound-modulated diffuse photons using spectral-hole burning. Optics Express, 2008, 16, 14862.	3.4	62
256	Tumor glucose metabolism imagedin vivoin small animals with whole-body photoacoustic computed tomography. Journal of Biomedical Optics, 2012, 17, 0760121.	2.6	62
257	On the horizontal-well pumping tests in anisotropic confined aquifers. Journal of Hydrology, 2001, 252, 37-50.	5.4	61
258	Degree of polarization in laser speckles from turbid media: Implications in tissue optics. Journal of Biomedical Optics, 2002, 7, 307.	2.6	61
259	Photoacoustic tomography of monkey brain using virtual point ultrasonic transducers. Journal of Biomedical Optics, 2011, 16, 076005.	2.6	61
260	In vivo three-dimensional photoacoustic imaging based on a clinical matrix array ultrasound probe. Journal of Biomedical Optics, 2012, 17, 061208.	2.6	61
261	Optimal ultraviolet wavelength for <italic>in vivo</italic> photoacoustic imaging of cell nuclei. Journal of Biomedical Optics, 2012, 17, 056004.	2.6	61
262	Chronic label-free volumetric photoacoustic microscopy of melanoma cells in three-dimensional porous Scaffolds. Biomaterials, 2010, 31, 8651-8658.	11.4	60
263	In vivo photoacoustic tomography of mouse cerebral edema induced by cold injury. Journal of Biomedical Optics, 2011, 16, 066020.	2.6	60
264	Video-rate functional photoacoustic microscopy at depths. Journal of Biomedical Optics, 2012, 17, 1.	2.6	60
265	Single-cell photoacoustic thermometry. Journal of Biomedical Optics, 2013, 18, 026003.	2.6	60
266	Special Section Guest Editorial. Journal of Biomedical Optics, 2002, 7, 278.	2.6	59
267	Integrated optical- and acoustic-resolution photoacoustic microscopy based on an optical fiber bundle. Optics Letters, 2013, 38, 52.	3.3	59
268	Focusing light through scattering media by full-polarization digital optical phase conjugation. Optics Letters, 2016, 41, 1130.	3.3	59
269	Comparison of human skin opto-thermal response to near-infrared and visible laser irradiations: a theoretical investigation. Physics in Medicine and Biology, 2004, 49, 4861-4877.	3.0	58
270	Nonionizing photoacoustic cystography in vivo. Optics Letters, 2011, 36, 3599.	3.3	58

#	ARTICLE	IF	CITATIONS
271	High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. Nature Biomedical Engineering, 2019, 3, 381-391.	22.5	58
272	Double-illumination photoacoustic microscopy. Optics Letters, 2012, 37, 659.	3.3	57
273	Multimodal sentinel lymph node mapping with single-photon emission computed tomography (SPECT)/computed tomography (CT) and photoacoustic tomography. Translational Research, 2012, 159, 175-181.	5.0	57
274	Space- and intensity-constrained reconstruction for compressed ultrafast photography. Optica, 2016, 3, 694.	9.3	57
275	Multiscale Functional and Molecular Photoacoustic Tomography. Ultrasonic Imaging, 2016, 38, 44-62.	2.6	57
276	White light oblique incidence reflectometer formeasuring absorption and reduced scatteringspectra of tissue-like turbid media. Optics Express, 1997, 1, 454.	3.4	56
277	Multifocal optical-resolution photoacoustic microscopy in vivo. Optics Letters, 2011, 36, 1236.	3.3	56
278	Photoacoustic microscopy with 2-Âμm transverse resolution. Journal of Biomedical Optics, 2010, 15, 1.	2.6	55
279	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 378-388.	0.8	55
280	Optical clearing-aided photoacoustic microscopy with enhanced resolution and imaging depth. Optics Letters, 2013, 38, 2592.	3.3	55
281	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed in vivo. Journal of Biophotonics, 2015, 8, 961-967.	2.3	55
282	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6Âcm in thickness with digital optical phase conjugation. Journal of Biomedical Optics, 2016, 21, 085001.	2.6	55
283	Photoacoustic microscopy of microvascular responses to cortical electrical stimulation. Journal of Biomedical Optics, 2011, 16, 1.	2.6	54
284	Multi-Scale Molecular Photoacoustic Tomography of Gene Expression. PLoS ONE, 2012, 7, e43999.	2.5	54
285	Photoacoustic and optical coherence tomography of epilepsy with high temporal and spatial resolution and dual optical contrasts. Journal of Neuroscience Methods, 2013, 216, 142-145.	2.5	54
286	Plasmonics-enhanced and optically modulated delivery of gold nanostars into brain tumor. Nanoscale, 2014, 6, 4078-4082.	5.6	54
287	Handheld optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2016, 22, 041002.	2.6	54
288	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. Journal of Investigative Dermatology, 2017, 137, 1370-1372.	0.7	54

#	ARTICLE	IF	CITATIONS
289	Optimum pulse duration and radiant exposure for vascular laser therapy of dark port-wine skin: a theoretical study. Applied Optics, 2003, 42, 1367.	2.1	53
290	Photoacoustic Doppler flow measurement in optically scattering media. Applied Physics Letters, 2007, 91, .	3.3	53
291	Ultrasound-array-based real-time photoacoustic microscopy of human pulsatile dynamics in vivo. Journal of Biomedical Optics, 2010, 15, 1.	2.6	53
292	In-vivo characterization of optical properties of pigmented skin lesions including melanoma using oblique incidence diffuse reflectance spectrometry. Journal of Biomedical Optics, 2011, 16, 020501.	2.6	53
293	In vivo imaging of epileptic activity using 2-NBDG, a fluorescent deoxyglucose analog. Journal of Neuroscience Methods, 2012, 203, 136-140.	2.5	53
294	A brief account of nanoparticle contrast agents for photoacoustic imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 517-543.	6.1	53
295	Microwave-induced thermoacoustic tomography using multi-sector scanning. Medical Physics, 2001, 28, 1958-1963.	3.0	52
296	Microwave-induced thermoacoustic tomography: Reconstruction by synthetic aperture. Medical Physics, 2001, 28, 2427-2431.	3.0	52
297	Noninvasive, in vivo imaging of the mouse brain using photoacoustic microscopy. Journal of Applied Physics, 2009, 105, 102027.	2.5	52
298	Improving limited-view photoacoustic tomography with an acoustic reflector. Journal of Biomedical Optics, 2013, 18, 110505.	2.6	52
299	Catheter-based photoacoustic endoscope. Journal of Biomedical Optics, 2014, 19, 1.	2.6	52
300	Encrypted Three-dimensional Dynamic Imaging using Snapshot Time-of-flight Compressed Ultrafast Photography. Scientific Reports, 2015, 5, 15504.	3.3	52
301	Deep learning acceleration of multiscale superresolution localization photoacoustic imaging. Light: Science and Applications, 2022, 11, 131.	16.6	52
302	Effects of Different Imaging Models on Least-Squares Image Reconstruction Accuracy in Photoacoustic Tomography. IEEE Transactions on Medical Imaging, 2009, 28, 1781-1790.	8.9	51
303	Slow light for deep tissue imaging with ultrasound modulation. Applied Physics Letters, 2012, 100, 131102-1311025.	3.3	51
304	Ultrasonically encoded wavefront shaping for focusing into random media. Scientific Reports, 2014, 4, 3918.	3.3	51
305	Universal back-projection algorithm for photoacoustic computed tomography. , 2005, 5697, 251.		50
306	A Born-type approximation method for bioluminescence tomography. Medical Physics, 2006, 33, 679-686.	3.0	50

#	ARTICLE	IF	CITATIONS
307	Calibration-free quantification of absolute oxygen saturation based on the dynamics of photoacoustic signals. Optics Letters, 2013, 38, 2800.	3.3	50
308	Wide-field two-dimensional multifocal optical-resolution photoacoustic-computed microscopy. Optics Letters, 2013, 38, 5236.	3.3	50
309	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. Scientific Reports, 2017, 7, 2560.	3.3	50
310	Optimal beam size for light delivery to absorption-enhanced tumors buried in biological tissues and effect of multiple-beam delivery: a Monte Carlo study. Applied Optics, 1997, 36, 8286.	2.1	49
311	Ultrasonic modulation of multiply scattered coherent light: An analytical model for anisotropically scattering media. Physical Review E, 2002, 66, 026603.	2.1	49
312	Temperature distribution in selective laser-tissue interaction. Journal of Biomedical Optics, 2006, 11, 034031.	2.6	49
313	Tangential resolution improvement in thermoacoustic and photoacoustic tomography using a negative acoustic lens. Journal of Biomedical Optics, 2009, 14, 024028.	2.6	49
314	Î±_{Î½}Î²₃-targeted Copper Nanoparticles Incorporating an Sn 2 Lipase-Labile Fumagillin Prodrug for Photoacoustic Neovascular Imaging and Treatment. Theranostics, 2015, 5, 124-133.	10.0	49
315	Single-shot stereo-polarimetric compressed ultrafast photography for light-speed observation of high-dimensional optical transients with picosecond resolution. Nature Communications, 2020, 11, 5252.	12.8	49
316	Source of error in calculation of optical diffuse reflectance from turbid media using diffusion theory. Computer Methods and Programs in Biomedicine, 2000, 61, 163-170.	4.7	48
317	Multiscale Photoacoustic Microscopy of Single-Walled Carbon Nanotube-Incorporated Tissue Engineering Scaffolds. Tissue Engineering - Part C: Methods, 2012, 18, 310-317.	2.1	48
318	Photoacoustic microscopy in tissue engineering. Materials Today, 2013, 16, 67-77.	14.2	48
319	Calibration-free in vivo transverse blood flowmetry based on cross correlation of slow time profiles from photoacoustic microscopy. Optics Letters, 2013, 38, 3882.	3.3	48
320	Noninvasive Photoacoustic Microscopy of Living Cells in Two and Three Dimensions through Enhancement by a Metabolite Dye. Angewandte Chemie - International Edition, 2011, 50, 7359-7363.	13.8	47
321	Label-free photoacoustic tomography of whole mouse brain structures ex vivo. Neurophotonics, 2016, 3, 1.	3.3	47
322	Single-shot compressed ultrafast photography: a review. Advanced Photonics, 2020, 2, 1.	11.8	47
323	A Facile Synthesis of Novel Self-Assembled Gold Nanorods Designed for Near-Infrared Imaging. Journal of Nanoscience and Nanotechnology, 2010, 10, 8118-8123.	0.9	46
324	In vivodeep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography. Journal of Biomedical Optics, 2015, 20, 016019.	2.6	46

#	ARTICLE	IF	CITATIONS
325	SIMULTANEOUS IMAGING OF A lacZ-MARKED TUMOR AND MICROVASCULATURE MORPHOLOGY IN VIVO BY DUAL-WAVELENGTH PHOTOACOUSTIC MICROSCOPY. Journal of Innovative Optical Health Sciences, 2008, 01, 207-215.	1.0	45
326	Roadmap on wavefront shaping and deep imaging in complex media. JPhys Photonics, 2022, 4, 042501.	4.6	45
327	Absorption distribution of an optical beam focused into a turbid medium. Applied Optics, 1999, 38, 4951.	2.1	44
328	Image distortion in thermoacoustic tomography caused by microwave diffraction. Physical Review E, 2008, 77, 031923.	2.1	44
329	Harnessing a multi-dimensional fibre laser using genetic wavefront shaping. Light: Science and Applications, 2020, 9, 149.	16.6	44
330	Measurement and calculation of the two-dimensional backscattering Mueller matrix of a turbid medium: errata. Optics Letters, 1998, 23, 1630.	3.3	43
331	Fiber-based polarization-sensitive Mueller matrix optical coherence tomography with continuous source polarization modulation. Applied Optics, 2005, 44, 5463.	2.1	43
332	In vivo three-dimensional photoacoustic tomography of a whole mouse head. Optics Letters, 2006, 31, 2453.	3.3	43
333	Quantitative photoacoustic microscopy of optical absorption coefficients from acoustic spectra in the optical diffusive regime. Journal of Biomedical Optics, 2012, 17, 066011.	2.6	43
334	Three-Dimensional Photoacoustic Endoscopic Imaging of the Rabbit Esophagus. PLoS ONE, 2015, 10, e0120269.	2.5	43
335	Correlation Transfer and Diffusion of Ultrasound-Modulated Multiply Scattered Light. Physical Review Letters, 2006, 96, 163902.	7.8	42
336	Single-wavelength functional photoacoustic microscopy in biological tissue. Optics Letters, 2011, 36, 769.	3.3	42
337	Single-exposure optical focusing inside scattering media using binarized time-reversed adapted perturbation. Optica, 2015, 2, 869.	9.3	42
338	Photoacoustic computed tomography of human extremities. Journal of Biomedical Optics, 2019, 24, 1.	2.6	42
339	Angular-spectrum modeling of focusing light inside scattering media by optical phase conjugation. Optica, 2019, 6, 250.	9.3	42
340	Picosecond absorption relaxation measured with nanosecond laser photoacoustics. Applied Physics Letters, 2010, 97, 163701.	3.3	41
341	Virus-mimicking nano-constructs as a contrast agent for near infrared photoacoustic imaging. Nanoscale, 2013, 5, 1772.	5.6	41
342	Photoacoustic tomography imaging and estimation of oxygen saturation of hemoglobin in ocular tissue of rabbits. Experimental Eye Research, 2015, 138, 153-158.	2.6	41

#	ARTICLE	IF	CITATIONS
343	Photoacoustic elastography. Optics Letters, 2016, 41, 725.	3.3	41
344	Intense acoustic bursts as a signal-enhancement mechanism in ultrasound-modulated optical tomography. Optics Letters, 2006, 31, 2423.	3.3	40
345	Multiview optical resolution photoacoustic microscopy. Optica, 2014, 1, 217.	9.3	40
346	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. Applied Physics Letters, 2017, 111, 201108.	3.3	40
347	Physical picture of the optical memory effect. Photonics Research, 2019, 7, 1323.	7.0	40
348	Reflection-mode time-reversed ultrasonically encoded optical focusing into turbid media. Journal of Biomedical Optics, 2011, 16, 080505.	2.6	39
349	<title>Polarized light transmission through skin using video reflectometry: toward optical tomography of superficial tissue layers</title>. , 1996, 2671, 199.		38
350	Propagation of polarized light in birefringent turbid media: time-resolved simulations. Optics Express, 2001, 9, 254.	3.4	38
351	Imaging optically scattering objects with ultrasound-modulated optical tomography. Optics Letters, 2007, 32, 2351.	3.3	38
352	M-mode photoacoustic particle flow imaging. Optics Letters, 2009, 34, 671.	3.3	38
353	FÃ¶rster resonance energy transfer photoacoustic microscopy. Journal of Biomedical Optics, 2012, 17, 086007.	2.6	38
354	Functional photoacoustic microscopy of diabetic vasculature. Journal of Biomedical Optics, 2012, 17, 060502.	2.6	38
355	Photoacoustic microscopy of bilirubin in tissue phantoms. Journal of Biomedical Optics, 2012, 17, 126019.	2.6	38
356	Random-access optical-resolution photoacoustic microscopy using a digital micromirror device. Optics Letters, 2013, 38, 2683.	3.3	38
357	Photoacoustic thermography of tissue. Journal of Biomedical Optics, 2014, 19, 026003.	2.6	38
358	Urogenital photoacoustic endoscope. Optics Letters, 2014, 39, 1473.	3.3	38
359	Bessel-beam Grueneisen relaxation photoacoustic microscopy with extended depth of field. Journal of Biomedical Optics, 2015, 20, 116002.	2.6	38
360	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. Journal of Biomedical Optics, 2016, 22, 1.	2.6	38

#	ARTICLE	IF	CITATIONS
361	Photorefractive detection of tissue optical and mechanical properties by ultrasound modulated optical tomography. Optics Letters, 2007, 32, 656.	3.3	37
362	Adaptive and Robust Methods of Reconstruction (ARMOR) for Thermoacoustic Tomography. IEEE Transactions on Biomedical Engineering, 2008, 55, 2741-2752.	4.2	37
363	Intracellular temperature mapping with fluorescence-assisted photoacoustic-thermometry. Applied Physics Letters, 2013, 102, 193705.	3.3	37
364	Microvascular quantification based on contour-scanning photoacoustic microscopy. Journal of Biomedical Optics, 2014, 19, 096011.	2.6	37
365	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1848-1853.	3.0	37
366	Rapid modeling of diffuse reflectance of light in turbid slabs. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 936.	1.5	36
367	Modulation of multiply scattered coherent light by ultrasonic pulses: An analytical model. Physical Review E, 2005, 72, 036620.	2.1	36
368	Integrated photoacoustic, confocal, and two-photon microscope. Journal of Biomedical Optics, 2014, 19, 036002.	2.6	36
369	Retrospective respiration-gated whole-body photoacoustic computed tomography of mice. Journal of Biomedical Optics, 2014, 19, 1.	2.6	36
370	Photoacoustic computed tomography for functional human brain imaging [Invited]. Biomedical Optics Express, 2021, 12, 4056.	2.9	36
371	In vivo imaging and characterization of hypoxia-induced neovascularization and tumor invasion. International Journal of Oncology, 2007, 30, 45-54.	3.3	36
372	In vivo Photoacoustic Tomography of Total Blood Flow and Potential Imaging of Cancer Angiogenesis and Hypermetabolism. Technology in Cancer Research and Treatment, 2012, 11, 301-307.	1.9	35
373	In vivo optical-resolution photoacoustic computed tomography with compressed sensing. Optics Letters, 2012, 37, 4573.	3.3	35
374	Detection, Mapping, and Quantification of Single Walled Carbon Nanotubes in Histological Specimens with Photoacoustic Microscopy. PLoS ONE, 2012, 7, e35064.	2.5	35
375	Optimized radial and angular positions in Monte Carlo modeling. Medical Physics, 1994, 21, 1081-1083.	3.0	34
376	Methods for parallel-detection-based ultrasound-modulated optical tomography. Applied Optics, 2002, 41, 2079.	2.1	34
377	Boundary conditions in photoacoustic tomography and image reconstruction. Journal of Biomedical Optics, 2007, 12, 014027.	2.6	34
378	High-numerical-aperture-based virtual point detectors for photoacoustic tomography. Applied Physics Letters, 2008, 93, 033902.	3.3	34

#	ARTICLE	IF	CITATIONS
379	Negative lens concept for photoacoustic tomography. Physical Review E, 2008, 78, 021901.	2.1	34
380	Photoacoustic tomography of foreign bodies in soft biological tissue. Journal of Biomedical Optics, 2011, 16, 046017.	2.6	34
381	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. Journal of Biomedical Optics, 2017, 22, 076017.	2.6	34
382	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. Science Advances, 2020, 6, eaay1192.	10.3	34
383	Recent Advances in Photoacoustic Tomography. BME Frontiers, 2021, 2021, .	4.5	34
384	Ultrasound-modulated optical computed tomography of biological tissues. Applied Physics Letters, 2004, 84, 1597-1599.	3.3	33
385	Section-illumination photoacoustic microscopy for dynamic 3D imaging of microcirculation in vivo. Optics Letters, 2010, 35, 1482.	3.3	33
386	Cross-correlation-based transverse flow measurements using optical resolution photoacoustic microscopy with a digital micromirror device. Journal of Biomedical Optics, 2013, 18, 096004.	2.6	33
387	Amplitude-masked photoacoustic wavefront shaping and application in flowmetry. Optics Letters, 2014, 39, 5499.	3.3	33
388	Functional photoacoustic microscopy of pH. Journal of Biomedical Optics, 2011, 16, 100503.	2.6	32
389	Label-free photoacoustic microscopy of myocardial sheet architecture. Journal of Biomedical Optics, 2012, 17, 060506.	2.6	32
390	Photoacoustic microscopy of blood pulse wave. Journal of Biomedical Optics, 2012, 17, 0705041.	2.6	32
391	Immediate alterations in intestinal oxygen saturation and blood flow after massive small bowel resection as measured by photoacoustic microscopy. Journal of Pediatric Surgery, 2012, 47, 1143-1149.	1.6	32
392	Focused fluorescence excitation with time-reversed ultrasonically encoded light and imaging in thick scattering media. Laser Physics Letters, 2013, 10, 075604.	1.4	32
393	A Constrained Variable Projection Reconstruction Method for Photoacoustic Computed Tomography Without Accurate Knowledge of Transducer Responses. IEEE Transactions on Medical Imaging, 2015, 34, 2443-2458.	8.9	32
394	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 3535-3547.	8.9	32
395	Transvaginal fast-scanning optical-resolution photoacoustic endoscopy. Journal of Biomedical Optics, 2018, 23, 1.	2.6	32
396	Saturation effect in functional photoacoustic imaging. Journal of Biomedical Optics, 2010, 15, 021317.	2.6	31

#	ARTICLE	IF	CITATIONS
397	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometerâ€Sized Polymer Beads. Advanced Functional Materials, 2012, 22, 764-770.	14.9	31
398	Photoacoustic lymphatic imaging with high spatial-temporal resolution. Journal of Biomedical Optics, 2014, 19, 1.	2.6	31
399	Nonâ€Invasive and Inâ€...Situ Characterization of the Degradation of Biomaterial Scaffolds by Volumetric Photoacoustic Microscopy. Angewandte Chemie - International Edition, 2014, 53, 184-188.	13.8	31
400	In vivo labelâ€free functional photoacoustic monitoring of ischemic reperfusion. Journal of Biophotonics, 2019, 12, e201800454.	2.3	31
401	Noninvasive photoacoustic imaging of the thoracic cavity and the kidney in small and large animals. Medical Physics, 2008, 35, 4524-4529.	3.0	30
402	Spatially Fourier-encoded photoacoustic microscopy using a digital micromirror device. Optics Letters, 2014, 39, 430.	3.3	30
403	In vivophotoacoustic tomography of myoglobin oxygen saturation. Journal of Biomedical Optics, 2015, 21, 061002.	2.6	30
404	Nonlinear photoacoustic spectroscopy of hemoglobin. Applied Physics Letters, 2015, 106, 203701.	3.3	30
405	Joint Reconstruction of Absorbed Optical Energy Density and Sound Speed Distributions in Photoacoustic Computed Tomography: A Numerical Investigation. IEEE Transactions on Computational Imaging, 2016, 2, 136-149.	4.4	30
406	Optimizing codes for compressed ultrafast photography by the genetic algorithm. Optica, 2018, 5, 147.	9.3	30
407	Particle sizing in concentrated suspensions by use of steady-state, continuous-wave photon-migration techniques. Optics Letters, 1998, 23, 394.	3.3	29
408	Signal processing in scanning thermoacoustic tomography in biological tissues. Medical Physics, 2001, 28, 1519-1524.	3.0	29
409	In vivo imaging and characterization of hypoxia-induced neovascularization and tumor invasion. International Journal of Oncology, 2007, 30, 45.	3.3	29
410	Ultrasound-modulated optical tomography with intense acoustic bursts. Applied Optics, 2007, 46, 1615.	2.1	29
411	Dichroism-sensitive photoacoustic computed tomography. Optica, 2018, 5, 495.	9.3	29
412	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. Science Advances, 2020, 6, eaay6200.	10.3	29
413	Spatio-temporal-spectral imaging of non-repeatable dissipative soliton dynamics. Nature Communications, 2020, 11, 2059.	12.8	29
414	Ultrasonic-heating-encoded photoacoustic tomography with virtually augmented detection view. Optica, 2015, 2, 307.	9.3	28

#	ARTICLE	IF	CITATIONS
415	Parameterized Joint Reconstruction of the Initial Pressure and Sound Speed Distributions for Photoacoustic Computed Tomography. SIAM Journal on Imaging Sciences, 2018, 11, 1560-1588.	2.2	28
416	Transcranial photoacoustic computed tomography based on a layered back-projection method. Photoacoustics, 2020, 20, 100213.	7.8	28
417	Photoacoustic tomography of small animal brain with a curved array transducer. Journal of Biomedical Optics, 2009, 14, 054007.	2.6	27
418	Fast and Robust Deconvolution-Based Image Reconstruction for Photoacoustic Tomography in Circular Geometry: Experimental Validation. IEEE Photonics Journal, 2010, 2, 57-66.	2.0	27
419	Time-reversed ultrasonically encoded optical focusing in biological tissue. Journal of Biomedical Optics, 2012, 17, 030506.	2.6	27
420	Rapid Synthesis of Near Infrared Polymeric Micelles for Realâ€Time Sentinel Lymph Node Imaging. Advanced Healthcare Materials, 2012, 1, 582-589.	7.6	27
421	In vivophotoacoustic microscopy of human cuticle microvasculature with single-cell resolution. Journal of Biomedical Optics, 2016, 21, 056004.	2.6	27
422	Bit-efficient, sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media. Optics Letters, 2016, 41, 1321.	3.3	27
423	A Forward-Adjoint Operator Pair Based on the Elastic Wave Equation for Use in Transcranial Photoacoustic Computed Tomography. SIAM Journal on Imaging Sciences, 2017, 10, 2022-2048.	2.2	27
424	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. Optica, 2017, 4, 97.	9.3	27
425	Error estimation of measuring total interaction coefficients of turbid media using collimated light transmission. Physics in Medicine and Biology, 1994, 39, 2349-2354.	3.0	26
426	Weighted expectation maximization reconstruction algorithms for thermoacoustic tomography. IEEE Transactions on Medical Imaging, 2005, 24, 817-820.	8.9	26
427	Ultrasound-modulated optical tomography at new depth. Journal of Biomedical Optics, 2012, 17, 066006.	2.6	26
428	Quantitative photoacoustic elastography in humans. Journal of Biomedical Optics, 2016, 21, 066011.	2.6	26
429	Label-free cell nuclear imaging by GrÃ¼neisen relaxation photoacoustic microscopy. Optics Letters, 2018, 43, 947.	3.3	26
430	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. Science Advances, 2019, 5, eaay1211.	10.3	26
431	Photoacoustic Computed Tomography of Breast Cancer in Response to Neoadjuvant Chemotherapy. Advanced Science, 2021, 8, 2003396.	11.2	26
432	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. Journal of Biomedical Optics, 2018, 23, 1.	2.6	26

#	ARTICLE	IF	CITATIONS
433	Ring-based ultrasonic virtual point detector with applications to photoacoustic tomography. Applied Physics Letters, 2007, 90, 251103.	3.3	25
434	In vivo burn imaging using Mueller optical coherence tomography. Optics Express, 2008, 16, 10279.	3.4	25
435	Automatic algorithm for skin profile detection in photoacoustic microscopy. Journal of Biomedical Optics, 2009, 14, 024050.	2.6	25
436	A 3-D High-Frequency Array Based 16 Channel Photoacoustic Microscopy System for <emphasis emphasistype="italic">In Vivo</emphasis> Micro-Vascular Imaging. IEEE Transactions on Medical Imaging, 2009, 28, 1190-1197.	8.9	25
437	A water-immersible 2-axis scanning mirror microsystem for ultrasound andha photoacoustic microscopic imaging applications. Microsystem Technologies, 2013, 19, 577-582.	2.0	25
438	Slow-sound photoacoustic microscopy. Applied Physics Letters, 2013, 102, 163702.	3.3	25
439	Quantitative Analysis of the Fate of Gold Nanocages Inâ€…Vitro and Inâ€…Vivo after Uptake by U87â€MG Tumor Cells. Angewandte Chemie - International Edition, 2013, 52, 1152-1155.	13.8	25
440	Transcranial Thermoacoustic Tomography: A Comparison of Two Imaging Algorithms. IEEE Transactions on Medical Imaging, 2013, 32, 289-294.	8.9	25
441	Calibration-free absolute quantification of particle concentration by statistical analyses of photoacoustic signalsin vivo. Journal of Biomedical Optics, 2014, 19, 037001.	2.6	25
442	Fast spatiotemporal image reconstruction based on low-rank matrix estimation for dynamic photoacoustic computed tomography. Journal of Biomedical Optics, 2014, 19, 1.	2.6	25
443	Highâ€speed photoacoustic microscopy of mouse cortical microhemodynamics. Journal of Biophotonics, 2017, 10, 792-798.	2.3	25
444	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. Applied Physics Letters, 2017, 111, .	3.3	25
445	Microwaveâ€induced thermoacoustic tomography through an adult human skull. Medical Physics, 2019, 46, 1793-1797.	3.0	25
446	Iterative image reconstruction in transcranial photoacoustic tomography based on the elastic wave equation. Physics in Medicine and Biology, 2020, 65, 055009.	3.0	25
447	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. Optics Letters, 2018, 43, 4875.	3.3	25
448	Perspective on fast-evolving photoacoustic tomography. Journal of Biomedical Optics, 2021, 26, .	2.6	24
449	Ultrasonic Modulation of Scattered Light in Turbid Media and a Potential Novel Tomography in Biomedicine. Photochemistry and Photobiology, 1998, 67, 41-49.	2.5	23
450	Sonoluminescent tomography of strongly scattering media. Optics Letters, 1998, 23, 561.	3.3	23

#	ARTICLE	IF	CITATIONS
451	Synchronous self-elimination of autocorrelation interference in Fourier-domain optical coherence tomography. Optics Letters, 2005, 30, 2939.	3.3	23
452	Reflection-mode multifocal optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2013, 18, 1.	2.6	23
453	Continuous scanning of a time-reversed ultrasonically encoded optical focus by reflection-mode digital phase conjugation. Optics Letters, 2014, 39, 3441.	3.3	23
454	Photoacoustic tomography of vascular compliance in humans. Journal of Biomedical Optics, 2015, 20, 126008.	2.6	23
455	Compressed ultrafast photography by multi-encoding imaging. Laser Physics Letters, 2018, 15, 116202.	1.4	23
456	Skin lesion classification using oblique-incidence diffuse reflectance spectroscopic imaging. Applied Optics, 2002, 41, 182.	2.1	22
457	Formulation of photon diffusion from spherical bioluminescent sources in an infinite homogeneous medium. BioMedical Engineering OnLine, 2004, 3, 12.	2.7	22
458	Multi-optical-wavelength ultrasound-modulated optical tomography: a phantom study. Optics Letters, 2007, 32, 2285.	3.3	22
459	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. Applied Physics Letters, 2016, 108, 231106.	3.3	22
460	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients in vivo. Journal of Biomedical Optics, 2020, 25, 1.	2.6	22
461	Biological laser action. Applied Optics, 1996, 35, 1775.	2.1	21
462	Stochastic explanation of speckle contrast detection in ultrasound-modulated optical tomography. Physical Review E, 2006, 73, 061920.	2.1	21
463	Time-reversed ultrasonically encoded optical focusing into tissue-mimicking media with thickness up to 70 mean free paths. Journal of Biomedical Optics, 2011, 16, 086009.	2.6	21
464	Dependence of photoacoustic speckles on boundary roughness. Journal of Biomedical Optics, 2012, 17, 046009.	2.6	21
465	Ultrasound-heated photoacoustic flowmetry. Journal of Biomedical Optics, 2013, 18, 117003.	2.6	21
466	Handheld photoacoustic tomography probe built using optical-fiber parallel acoustic delay lines. Journal of Biomedical Optics, 2014, 19, 086007.	2.6	21
467	Microcirculatory changes identified by photoacoustic microscopy in patients with complex regional pain syndrome type I after stellate ganglion blocks. Journal of Biomedical Optics, 2014, 19, 086017.	2.6	21
468	Mitigation of artifacts due to isolated acoustic heterogeneities in photoacoustic computed tomography using a variable data truncation-based reconstruction method. Journal of Biomedical Optics, 2017, 22, 041018.	2.6	21

#	ARTICLE	IF	CITATIONS
469	Numerical investigation of the effects of shear waves in transcranial photoacoustic tomography with a planar geometry. Journal of Biomedical Optics, 2012, 17, 061215.	2.6	20
470	Seeing it through: translational validation of new medical imaging modalities. Biomedical Optics Express, 2012, 3, 764.	2.9	20
471	Energy enhancement in time-reversed ultrasonically encoded optical focusing using a photorefractive polymer. Journal of Biomedical Optics, 2012, 17, 080507.	2.6	20
472	Comparative Effects of Linearly and Circularly Polarized Illumination on Microwave-Induced Thermoacoustic Tomography. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1593-1596.	4.0	20
473	Real-time observation and control of optical chaos. Science Advances, 2021, 7, .	10.3	20
474	Toward photoswitchable electronic pre-resonance stimulated Raman probes. Journal of Chemical Physics, 2021, 154, 135102.	3.0	20
475	Correlation transfer equation for multiply scattered light modulated by an ultrasonic pulse. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2797.	1.5	19
476	Multiple-source optical diffusion approximation for a multilayer scattering medium. Applied Optics, 2007, 46, 6004.	2.1	19
477	Photoacoustic tomography of the mouse cerebral cortex with a high-numerical-aperture-based virtual point detector. Journal of Biomedical Optics, 2009, 14, 024047.	2.6	19
478	Optical fluence distribution study in tissue in dark-field confocal photoacoustic microscopy using a modified Monte Carlo convolution method. Applied Optics, 2009, 48, 3204.	2.1	19
479	High-speed, sparse-sampling three-dimensional photoacoustic computed tomographyin vivobased on principal component analysis. Journal of Biomedical Optics, 2016, 21, 076007.	2.6	19
480	Frontiers in Biophotonics for Translational Medicine. Progress in Optical Science and Photonics, 2016, , .	0.5	19
481	Wave of single-impulse-stimulated fast initial dip in single vessels of mouse brains imaged by high-speed functional photoacoustic microscopy. Journal of Biomedical Optics, 2020, 25, 1.	2.6	19
482	Correlation transfer equation for ultrasound-modulated multiply scattered light. Physical Review E, 2006, 74, 036618.	2.1	18
483	Parallel acoustic delay lines for photoacoustic tomography. Journal of Biomedical Optics, 2012, 17, 116019.	2.6	18
484	Opticalâ€Resolution Photoacoustic Microscopy for Volumetric and Spectral Analysis of Histological and Immunochemical Samples. Angewandte Chemie - International Edition, 2014, 53, 8099-8103.	13.8	18
485	Hybridized wavefront shaping for high-speed, high-efficiency focusing through dynamic diffusive media. Journal of Biomedical Optics, 2016, 21, 121502.	2.6	18
486	Direct measurement of hypoxia in a xenograft multiple myeloma model by optical-resolution photoacoustic microscopy. Cancer Biology and Therapy, 2017, 18, 101-105.	3.4	18

#	ARTICLE	IF	CITATIONS
487	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. Applied Physics Letters, 2017, 110, .	3.3	18
488	Focusing light into scattering media with ultrasound-induced field perturbation. Light: Science and Applications, 2021, 10, 159.	16.6	18
489	Effect of molecular concentrations in tissu-simulating phantoms on images obtained using diffuse reflectance polarimetry. Optics Express, 1998, 3, 286.	3.4	17
490	Ultrasound-modulated optical microscopy. Journal of Biomedical Optics, 2008, 13, 054046.	2.6	17
491	Spectrally encoded photoacoustic microscopy using a digital mirror device. Journal of Biomedical Optics, 2012, 17, 066020.	2.6	17
492	Dry coupling for whole-body small-animal photoacoustic computed tomography. Journal of Biomedical Optics, 2017, 22, 1.	2.6	17
493	Synthetic Bessel light needle for extended depth-of-field microscopy. Applied Physics Letters, 2018, 113, 181104.	3.3	17
494	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. Light: Science and Applications, 2020, 9, 135.	16.6	17
495	Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. Neurophotonics, 2022, 9, 013001.	3.3	17
496	Imaging of high-intensity focused ultrasound-induced lesions in soft biological tissue using thermoacoustic tomography. Medical Physics, 2004, 32, 5-11.	3.0	16
497	Gold Nanocages for Cancer Imaging and Therapy. Methods in Molecular Biology, 2010, 624, 83-99.	0.9	16
498	Optical-resolution photoacoustic microscopy of ischemic stroke. Proceedings of SPIE, 2011, , .	0.8	16
499	Three-dimensional Optical-resolution Photoacoustic Microscopy. Journal of Visualized Experiments, 2011, , .	0.3	16
500	High-sensitivity ultrasound-modulated optical tomography with a photorefractive polymer. Optics Letters, 2013, 38, 899.	3.3	16
501	In vivo optically encoded photoacoustic flowgraphy. Optics Letters, 2014, 39, 3814.	3.3	16
502	Integration of Multitargeted Polymer-Based Contrast Agents with Photoacoustic Computed Tomography: An Imaging Technique to Visualize Breast Cancer Intratumor Heterogeneity. ACS Nano, 2021, 15, 2413-2427.	14.6	16
503	Tripling the detection view of high-frequency linear-array-based photoacoustic computed tomography by using two planar acoustic reflectors. Quantitative Imaging in Medicine and Surgery, 2015, 5, 57-62.	2.0	16
504	Optical-thermal simulation of tonsillar tissue irradiation. Lasers in Surgery and Medicine, 2001, 28, 313-319.	2.1	15

#	ARTICLE	IF	CITATIONS
505	Spectral-domain optical coherence tomography: Removal of autocorrelation using an optical switch. Applied Physics Letters, 2006, 88, 111115.	3.3	15
506	Noninvasive photoacoustic microscopy of methemoglobinin vivo. Journal of Biomedical Optics, 2015, 20, 036007.	2.6	15
507	Grueneisen relaxation photoacoustic microscopyin vivo. Journal of Biomedical Optics, 2016, 21, 066005.	2.6	15
508	Correcting the limited view in opticalâ€resolution photoacoustic microscopy. Journal of Biophotonics, 2018, 11, e201700196.	2.3	15
509	Technical considerations in quantitative blood oxygenation measurement using photoacoustic microscopy in vivo. , 2006, 6086, 215.		14
510	Micromachined Fiber Optical Sensor for In Vivo Measurement of Optical Properties of Human Skin. IEEE Sensors Journal, 2008, 8, 1698-1703.	4.7	14
511	Optical phantoms for ultrasound-modulated optical tomography. Proceedings of SPIE, 2008, , .	0.8	14
512	Deep-tissue photoacoustic tomography of FÃ¶rster resonance energy transfer. Journal of Biomedical Optics, 2013, 18, 101316.	2.6	14
513	Structured-illumination photoacoustic Doppler flowmetry of axial flow in homogeneous scattering media. Applied Physics Letters, 2013, 103, 94101.	3.3	14
514	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. Journal of Biomedical Optics, 2020, 25, 1.	2.6	14
515	Dictionary learning sparse-sampling reconstruction method for in-vivo 3D photoacoustic computed tomography. Biomedical Optics Express, 2019, 10, 1660.	2.9	14
516	Photoacoustic imaging reveals mechanisms of rapid-acting insulin formulations dynamics at the injection site. Molecular Metabolism, 2022, 62, 101522.	6.5	14
517	Two-dimensional imaging of dense tissue-simulating turbid media by use of sonoluminescence. Applied Optics, 1999, 38, 246.	2.1	13
518	Noninvasive functional photoacoustic tomography of blood-oxygen saturation in the brain. , 2004, 5320, 69.		13
519	Ex vivo blood vessel imaging using ultrasound-modulated optical microscopy. Journal of Biomedical Optics, 2009, 14, 014015.	2.6	13
520	Spectral hole burning for ultrasound-modulated optical tomography of thick tissue. Journal of Biomedical Optics, 2010, 15, 066018.	2.6	13
521	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. Journal of Biomedical Optics, 2016, 22, 041003.	2.6	13
522	Seeing Through the Surface: Non-invasive Characterization of Biomaterialâ€“Tissue Interactions Using Photoacoustic Microscopy. Annals of Biomedical Engineering, 2016, 44, 649-666.	2.5	13

#	Article	IF	Citations
523	Large field homogeneous illumination in microwave-induced thermoacoustic tomography based on a quasi-conical spiral antenna. Applied Physics Letters, 2018, 113, 123701.	3.3	13
524	Photoacoustic Imaging. Advances in Experimental Medicine and Biology, 2021, 3233, 147-175.	1.6	13
525	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. Journal of Biomedical Optics, 2020, 25, .	2.6	13
526	Photobleaching imprinting microscopy: seeing clearer and deeper. Journal of Cell Science, 2013, 127, 288-94.	2.0	12
527	Photothermal bleaching in timeâ€lapse photoacoustic microscopy. Journal of Biophotonics, 2013, 6, 543-548.	2.3	12
528	Breakthroughs in Photonics 2013: Photoacoustic Tomography in Biomedicine. IEEE Photonics Journal, 2014, 6, 1-6.	2.0	12
529	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. Applied Physics Letters, 2017, 111, 221109.	3.3	12
530	Analysis of the potential for non-invasive imaging of oxygenation at heart depth, using ultrasound optical tomography (UOT) or photo-acoustic tomography (PAT). Biomedical Optics Express, 2017, 8, 4523.	2.9	12
531	Dual-polarization analog optical phase conjugation for focusing light through scattering media. Applied Physics Letters, 2019, 114, 231104.	3.3	12
532	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. Nature Protocols, 2021, 16, 2381-2394.	12.0	12
533	Multiscale Photoacoustic Tomography of a Genetically Encoded Nearâ€Infrared FRET Biosensor. Advanced Science, 2021, 8, e2102474.	11.2	12
534	High-speed alignment optimization of digital optical phase conjugation systems based on autocovariance analysis in conjunction with orthonormal rectangular polynomials. Journal of Biomedical Optics, 2018, 24, 1.	2.6	12
535	Intelligently optimized digital optical phase conjugation with particle swarm optimization. Optics Letters, 2020, 45, 431.	3.3	12
536	Transmission- and side-detection configurations in ultrasound-modulated optical tomography of thick biological tissues. Applied Optics, 2003, 42, 4088.	2.1	11
537	Optical-resolution confocal photoacoustic microscopy. Proceedings of SPIE, 2008, , .	0.8	11
538	Vessel segmentation analysis of ischemic stroke images acquired with photoacoustic microscopy. Proceedings of SPIE, 2012, , .	0.8	11
539	Nonlinear light-sheet fluorescence microscopy by photobleaching imprinting. Journal of the Royal Society Interface, 2014, 11, 20130851.	3.4	11
540	Fighting against Fast Speckle Decorrelation for Light Focusing inside Live Tissue by Photon Frequency Shifting. ACS Photonics, 2020, 7, 837-844.	6.6	11

#	ARTICLE	IF	CITATIONS
541	Development of tissue-simulating optical phantoms: poly-N-isopropylacrylamide solution entrapped inside a hydrogel. Physics in Medicine and Biology, 1999, 44, 309-318.	3.0	10
542	Signal dependence and noise source in ultrasound-modulated optical tomography. Applied Optics, 2004, 43, 1320.	2.1	10
543	Combined Photoacoustic and Molecular Fluorescence Imaging In Vivo. , 2005, 2006, 190-2.		10
544	Optical-resolution photoacoustic microscopy of angiogenesis in a transgenic mouse model. Proceedings of SPIE, 2010, , .	0.8	10
545	Micromachined silicon acoustic delay lines for ultrasound applications. Journal of Micromechanics and Microengineering, 2013, 23, 025006.	2.6	10
546	Fabrication of cell patches using biodegradable scaffolds with a hexagonal array of interconnected pores (SHAIPs). Polymer, 2014, 55, 445-452.	3.8	10
547	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. Journal of Biophotonics, 2016, 9, 208-212.	2.3	10
548	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. Journal of Biomedical Optics, 2018, 23, 1.	2.6	10
549	Photo acoustic tomography. Scholarpedia Journal, 2014, 9, 10278.	0.3	10
550	Breast cancer imaging by microwave-induced thermoacoustic tomography. , 2005, 5697, 45.		9
551	Photoacoustic tomography of a rat cerebral cortex with a ring-based ultrasonic virtual point detector. Journal of Biomedical Optics, 2007, 12, 060507.	2.6	9
552	Sentinel lymph node detection ex vivo using ultrasound-modulated optical tomography. Journal of Biomedical Optics, 2008, 13, 020507.	2.6	9
553	Time-reversed ultrasonically encoded optical focusing using two ultrasonic transducers for improved ultrasonic axial resolution. Journal of Biomedical Optics, 2013, 18, 110502.	2.6	9
554	Calibration-free structured-illumination photoacoustic flowgraphy of transverse flow in scattering media. Journal of Biomedical Optics, 2014, 19, 046007.	2.6	9
555	Threeâ€dimensional arbitrary trajectory scanning photoacoustic microscopy. Journal of Biophotonics, 2015, 8, 303-308.	2.3	9
556	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. Journal of Biomedical Optics, 2016, 21, 1.	2.6	9
557	Full-field mapping of ultrasonic field by light-source-synchronized projection. Journal of the Acoustical Society of America, 1999, 106, L36-L40.	1.1	8
558	In-vivo imaging of nanoshell extravasation from solid tumor vasculature by photoacoustic microscopy. , 2007, , .		8

#	ARTICLE	IF	CITATIONS
559	Noninvasive mapping of the electrically stimulated mouse brain using photoacoustic microscopy. , 2008, , .		8
560	Ultrasound-modulated optical tomography in reflection mode with ring-shaped light illumination. Journal of Biomedical Optics, 2009, 14, 024015.	2.6	8
561	Optical sectioning by wide-field photobleaching imprinting microscopy. Applied Physics Letters, 2013, 103, 183703.	3.3	8
562	Reversibly switchable fluorescence microscopy with enhanced resolution and image contrast. Journal of Biomedical Optics, 2014, 19, 086018.	2.6	8
563	Analog time-reversed ultrasonically encoded light focusing inside scattering media with a 33,000Ã— optical power gain. Scientific Reports, 2015, 5, 8896.	3.3	8
564	Multiscale Photoacoustic Tomography. Optics and Photonics News, 2018, 29, 32.	0.5	8
565	Single-Shot Time-Reversed Optical Focusing into and through Scattering Media. ACS Photonics, 2020, 7, 2871-2877.	6.6	8
566	Evolving cervical imaging technologies to predict preterm birth. Seminars in Immunopathology, 2020, 42, 385-396.	6.1	8
567	Acoustic sensing with light. Nature Photonics, 2021, 15, 324-326.	31.4	8
568	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. Journal of Biomedical Optics, 2018, 23, 1.	2.6	8
569	Autocorrelation of scattered laser light for ultrasound-modulated optical tomography in dense turbid media. Applied Optics, 2002, 41, 4739.	2.1	7
570	Imaging of gene expression in vivo with photoacoustic tomography. , 2006, , .		7
571	Photoacoustic molecular imaging of small animals in vivo. , 2006, , .		7
572	Iron-oxide nanoparticles as a contrast agent in thermoacoustic tomography. , 2007, 6437, 101.		7
573	Portable real-time photoacoustic microscopy. , 2007, , .		7
574	Tissue temperature monitoring using thermoacoustic and photoacoustic techniques. Proceedings of SPIE, 2010, , .	0.8	7
575	In vivo multiscale photoacoustic microscopy of human skin. , 2011, , .		7
576	Volumetric photoacoustic endoscopy of upper gastrointestinal tract: ultrasonic transducer technology development. Proceedings of SPIE, 2011, , .	0.8	7

#	ARTICLE	IF	CITATIONS
577	Temperature mapping using photoacoustic and thermoacoustic tomography. Proceedings of SPIE, 2012, , .	0.8	7
578	Up-regulation of hypoxia-inducible factor 1 alpha and hemodynamic responses following massive small bowel resection. Journal of Pediatric Surgery, 2013, 48, 1330-1339.	1.6	7
579	Photoacoustic recovery after photothermal bleaching in living cells. Journal of Biomedical Optics, 2013, 18, 106004.	2.6	7
580	Frequency-swept time-reversed ultrasonically encoded optical focusing. Applied Physics Letters, 2014, 105, 191108.	3.3	7
581	Prospects of Photo- and Thermoacoustic Imaging in Neurosurgery. Neurosurgery, 2020, 87, 11-24.	1.1	7
582	Graphics processing unit accelerating compressed sensing photoacoustic computed tomography with total variation. Applied Optics, 2020, 59, 712.	1.8	7
583	Photoacoustic Tomography of Neural Systems. , 2020, , 349-378.		7
584	Crossâ€Ray Ultrasound Tomography and Photoacoustic Tomography of Cerebral Hemodynamics in Rodents. Advanced Science, 2022, 9, .	11.2	7
585	Laser optoacoustic imaging of turbid media: determination of optical properties by comparison with diffusion theory and Monte Carlo simulation. , 1996, , .		6
586	Photoacoustic tomography and molecular fluorescence imaging: dual modality imaging of small animal brains in vivo. , 2005, , .		6
587	Continuous-wave photoacoustic microscopy. , 2007, , .		6
588	Photoacoustic tomography with novel optical contrast agents based on gold nanocages or nanoparticles containing near-infrared dyes. Proceedings of SPIE, 2008, , .	0.8	6
589	Endoscopic photoacoustic microscopy. , 2009, , .		6
590	Photoacoustic microscopy with submicron resolution. Proceedings of SPIE, 2010, , .	0.8	6
591	High-Transmission-Efficiency and Side-Viewing Micro OIDRS Probe for Fast and Minimally Invasive Tumor Margin Detection. IEEE Sensors Journal, 2011, 11, 891-896.	4.7	6
592	Quantitative photoacoustic elastography of Youngâ€™s modulus in humans. , 2017, , .		6
593	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. Transfusion Medicine Reviews, 2021, 35, 46-55.	2.0	6
594	Isomers of gallium arsenide cluster ions. Chemical Physics Letters, 1992, 194, 217-222.	2.6	5

#	ARTICLE	IF	CITATIONS
595	XANES STUDY OF THE VALENCE OF Pb IN (Tl0.5Pb0.5)Sr2Ca1-xYxCu2O7-Î´. International Journal of Modern Physics B, 1999, 13, 3693-3696.	2.0	5
596	Laser-induced photoacoustic tomography enhanced with an optical contrast agent. , 2004, 5320, 77.		5
597	Deep penetrating photoacoustic tomography in biological tissues. , 2005, , .		5
598	Optical coherence computed tomography. Applied Physics Letters, 2007, 91, 141107.	3.3	5
599	Publisherâ€™s Note: Label-Free Bond-Selective Imaging by Listening to Vibrationally Excited Molecules [Phys. Rev. Lett.106, 238106 (2011)]. Physical Review Letters, 2011, 106, .	7.8	5
600	Toward dual-wavelength functional photoacoustic endoscopy: laser and peripheral optical systems development. Proceedings of SPIE, 2012, , .	0.8	5
601	Multi-scale Multi-contrast Photoacoustic Microscopy. , 2013, , .		5
602	In vivo characterization of connective tissue remodeling using infrared photoacoustic spectra. Journal of Biomedical Optics, 2018, 23, 1-6.	2.6	5
603	Universal Back-Projection Algorithm for Photoacoustic Tomography. , 2017, , 37-46.		5
604	Reply to Comment on â€œOptical-fiber-based Mueller optical coherence tomographyâ€• Optics Letters, 2004, 29, 2875.	3.3	4
605	Evaluation of the magneto-optical effect in biological tissue models using optical coherence tomography. Journal of Biomedical Optics, 2007, 12, 060502.	2.6	4
606	A fast 512-element ring array photoacoustic imaging system for small animals. Proceedings of SPIE, 2009, , .	0.8	4
607	Fast-scanning reflection-mode integrated photoacoustic and optical-coherence microscopy. Proceedings of SPIE, 2010, , .	0.8	4
608	Volumetric photoacoustic endoscopy of internal organs: a phantom and in situ study. , 2010, , .		4
609	In vivo label-free photoacoustic microscopy of the anterior segment of the mouse eye. , 2010, , .		4
610	Small-animal whole-body imaging using a photoacoustic full ring array system. , 2011, , .		4
611	Label-free photoacoustic microscopy of cytochrome c in cells. , 2012, , .		4
612	Noninvasive photoacoustic computed tomography of mouse brain metabolismin vivo. Proceedings of SPIE, 2013, , .	0.8	4

#	ARTICLE	IF	CITATIONS
613	In vivo photoacoustic flowmetry at depths of the diffusive regime based on saline injection. Journal of Biomedical Optics, 2015, 20, 1.	2.6	4
614	Compressed 3D Image Information and Communication Security. Advanced Quantum Technologies, 2018, 1, 1800034.	3.9	4
615	Special Section Guest Editorial: Pioneer in Biomedical Optics: Introduction to the Special Section in Honor of Steven L. Jacques. Journal of Biomedical Optics, 2018, 23, 1.	2.6	4
616	Spatiotemporal strategies to identify aggressive biology in precancerous breast biopsies. WIREs Mechanisms of Disease, 2021, 13, e1506.	3.3	4
617	Derivation from Bloch Equation to von Neumann Equation to SchrÃ¶dingerâ€“Pauli Equation. Foundations of Physics, 2022, 52, .	1.3	4
618	<title>Analysis of diffusion theory and similarity relations for light reflectance by turbid media</title>. , 1993, 1888, 107.		3
619	<title>Oblique-incidence reflectometry: one relative profile measurement of diffuse reflectance yields two optical parameters</title>. , 1995, 2627, 165.		3
620	Optical-thermal simulation of human tonsillar tissue irradiation: Clinical implications. Lasers in Surgery and Medicine, 2000, 27, 269-273.	2.1	3
621	High-resolution photoacoustic vascular imaging in vivo using a large-aperture acoustic lens. , 2005, 5697, 7.		3
622	High-Resolution Photoacoustic Tomography In Vivo. , 0, , .		3
623	High-resolution burn imaging in pig skin by photoacoustic microscopy. , 2007, , .		3
624	Photoacoustic tomography with a virtual point detector. , 2007, , .		3
625	Photoacoustic Tomography and Microscopy. Optics and Photonics News, 2008, 19, 36.	0.5	3
626	Monitoring the healing process of laser-induced microvascular lesions using optical-resolution photoacoustic microscopy. Proceedings of SPIE, 2009, , .	0.8	3
627	In-vivo imaging of microcirculation using integrated photoacoustic and optical-coherence microscopy. Proceedings of SPIE, 2009, , .	0.8	3
628	Transverse flow measurement using photoacoustic Doppler bandwidth broadening: phantom and in vivo studies. Proceedings of SPIE, 2010, , .	0.8	3
629	Quantitative high-resolution photoacoustic spectroscopy by combining photoacoustic imaging with diffuse optical tomography. Proceedings of SPIE, 2011, , .	0.8	3
630	Integrated photoacoustic and fluorescence confocal microscopy. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
631	Photoacoustic and thermoacoustic tomography of dog prostates. Proceedings of SPIE, 2011, , .	0.8	3
632	Photoacoustic microscopy of human teeth. Proceedings of SPIE, 2011, , .	0.8	3
633	A 2.5-mm outer diameter photoacoustic endoscopic mini-probe based on a highly sensitive PMN-PT ultrasonic transducer. Proceedings of SPIE, 2012, , .	0.8	3
634	Measurement of GrÃ¼neisen parameter of tissue by photoacoustic spectrometry. , 2013, , .		3
635	Functional connectivity in the mouse brain imaged by B-mode photoacoustic microscopy. , 2014, , .		3
636	Optical focusing in scattering media with photoacoustic wavefront shaping (PAWS). , 2014, , .		3
637	Photoacoustic microscopy of a three-dimensional arbitrary trajectory. Proceedings of SPIE, 2014, , .	0.8	3
638	Cross-optical-beam nonlinear photoacoustic microscopy. Proceedings of SPIE, 2014, , .	0.8	3
639	Broadening the detection view of high-frequency linear-array-based photoacoustic computed tomography by using planar acoustic reflectors. Proceedings of SPIE, 2014, , .	0.8	3
640	Catheter-based photoacoustic endoscope for use in the instrument channel of a clinical video endoscope. , 2015, , .		3
641	Optical-resolution photoacoustic microscopy of the metabolic rate of oxygen in a mouse renal tumor model. Proceedings of SPIE, 2015, , .	0.8	3
642	Ultrafast imaging of light scattering dynamics using second-generation compressed ultrafast photography. , 2017, , .		3
643	Nanoparticles for Photoacoustic Imaging of Vasculature. , 2017, , 337-356.		3
644	EGFR in enterocytes & endothelium and HIF1Î± in enterocytes are dispensable for massive small bowel resection induced angiogenesis. PLoS ONE, 2020, 15, e0236964.	2.5	3
645	Photoacoustic Tomography of the Brain. , 2013, , 137-156.		3
646	Probing singleâ€cell oxygen reserve in sickled erythrocytes via in vivo photoacoustic microscopy. American Journal of Hematology, 2022, 97, .	4.1	3
647	Photoacoustic Tomography. , 2010, , 743-760.		3
648	Translational Photoacoustic Microscopy. Progress in Optical Science and Photonics, 2016, , 47-73.	0.5	3

#	ARTICLE	IF	CITATIONS
649	Measurement of tissue optical properties and modeling of optimal light delivery for tumor treatment. , 1998, 3254, 332.		2
650	<title>Sonoluminescence tomography of turbid media</title>. , 1999, , .		2
651	Theoretical study on the mechanisms of ultrasonic modulation of multiply scattered light. , 2001, 4256, 208.		2
652	Spatial resolution in three-dimensional photo-acoustic reconstruction. , 2004, 5320, 264.		2
653	Image reconstruction in ultrasound-modulated optical tomography. , 2004, 5320, 268.		2
654	Mitigating artifacts via half-time reconstruction in thermoacoustic tomography. , 2005, , .		2
655	A photoacoustic imaging system employing a curved-phased ultrasonic array and parallel electronics. , 2006, , .		2
656	Speckle in photoacoustic tomography. , 2006, , .		2
657	Effects of wavelength-dependent fluence attenuation on the noninvasive photoacoustic imaging of hemoglobin oxygen saturation in subcutaneous vasculature in vivo. Proceedings of SPIE, 2008, , .	0.8	2
658	Realtime photoacoustic microscopy of murine cardiovascular and respiratory dynamics in vivo. Proceedings of SPIE, 2008, , .	0.8	2
659	Monkey brain cortex imaging by use of photoacoustic tomography. Proceedings of SPIE, 2008, , .	0.8	2
660	Novel breast cancer detection system combining both thermoacoustic (TA) and photoacoustic (PA) tomography using carbon nanotubes (CNTs) as a dual contrast agent. Proceedings of SPIE, 2009, , .	0.8	2
661	Three-dimensional photoacoustic tomography of small animal brain with a curved array transducer. , 2009, , .		2
662	M -mode photoacoustic flow imaging. Proceedings of SPIE, 2009, , .	0.8	2
663	In vivo photoacoustic (PA) mapping of sentinel lymph nodes (SLNs) using carbon nanotubes (CNTs) as a contrast agent. , 2009, , .		2
664	Noninvasive photoacoustic sentinel lymph node mapping using Au nanocages as a lymph node tracer in a rat model. , 2009, , .		2
665	Micromachined â€œside-viewingâ€•optical sensor probe for detection of esophageal cancers. Sensors and Actuators A: Physical, 2009, 150, 144-150.	4.1	2
666	The speckle-free nature of photoacoustic imaging. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
667	PRELIMINARY STUDY ON SKIN CANCER DETECTION IN SENCAR MICE USING MUELLER OPTICAL COHERENCE TOMOGRAPHY. Journal of Innovative Optical Health Sciences, 2009, 02, 289-294.	1.0	2
668	In vivo functional human imaging using photoacoustic microscopy: response to ischemic and thermal stimuli. Proceedings of SPIE, 2010, , .	0.8	2
669	Optical-resolution photoacoustic microscopy of amyloid-Î² deposits in vivo. , 2010, , .		2
670	Noninvasive quantification of metabolic rate of oxygen (MRO 2) by photoacoustic microscopy. , 2011, , .		2
671	Photoacoustic image-guided needle biopsy of sentinel lymph nodes. Proceedings of SPIE, 2011, , .	0.8	2
672	Dual-mode photoacoustic microscopy of carbon nanotube incorporated scaffolds in blood and biological tissues. , 2011, , .		2
673	Transcranial photoacoustic tomography of the monkey brain. , 2012, , .		2
674	Photoacoustic and thermoacoustic imaging with a multichannel breast scanner. , 2012, , .		2
675	Dichroism optical-resolution photoacoustic microscopy. , 2012, , .		2
676	Exploring ultrasound-modulated optical tomography at clinically useful depths using the photorefractive effect. , 2013, , .		2
677	High resolution functional photoacoustic computed tomography of the mouse brain during electrical stimulation. Proceedings of SPIE, 2013, , .	0.8	2
678	Photoacoustic endoscopic imaging study of melanoma tumor growth in a rat colorectumin vivo. , 2013, , .		2
679	Anatomical and metabolic small-animal whole-body imaging using ring-shaped confocal photoacoustic computed tomography. , 2013, , .		2
680	High-speed time-reversed ultrasonically encoded (TRUE) optical focusing inside dynamic scattering media at 793 nm. , 2014, , .		2
681	A dual-modality photoacoustic and ultrasound imaging system for noninvasive sentinel lymph node detection: preliminary clinical results. Proceedings of SPIE, 2014, , .	0.8	2
682	Resting-state functional connectivity imaging of the mouse brain using photoacoustic tomography. Proceedings of SPIE, 2014, , .	0.8	2
683	DMD-based random-access optical-resolution photoacoustic microscopy. , 2014, , .		2
684	High-Speed Time-Reversed Ultrasonically Encoded (TRUE) Optical Focusing in Dynamic Scattering Media at 793 nm. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
685	Photoacoustic imaging of single circulating melanoma cells in vivo. , 2015, , .		2
686	Synergistic image reconstruction for hybrid ultrasound and photoacoustic computed tomography. , 2015, , .		2
687	In vivo melanoma depth detection by a handheld photoacoustic microscope. Proceedings of SPIE, 2015, , .	0.8	2
688	Photo-imprint super-resolution photoacoustic microscopy. , 2015, , .		2
689	Isotropic-resolution linear-array-based photoacoustic computed tomography through inverse Radon transform. Proceedings of SPIE, 2015, , .	0.8	2
690	Imaging small animal whole-body dynamics by single-impulse panoramic photoacoustic computed tomography. Proceedings of SPIE, 2017, , .	0.8	2
691	Iterative image reconstruction in elastic inhomogenous media with application to transcranial photoacoustic tomography. Proceedings of SPIE, 2017, , .	0.8	2
692	Three-Dimensional Optical-Resolution Photoacoustic Microscopy. Biological and Medical Physics Series, 2013, , 55-77.	0.4	2
693	Clinical photoacoustic computed tomography of the human breast in vivo within a single breath hold. , 2018, , .		2
694	Multi-channel Mueller-matrix optical coherence tomography. , 2002, , .		2
695	Water-Immersible MEMS Scanning Mirror Enhanced Optical-Resolution Photoacoustic Microscopy. , 2012, , .		2
696	Reflection-mode submicron-resolution photoacoustic microscopy in vivo. , 2012, , .		2
697	Time Reversal in Photoacoustic or Thermoacoustic Tomography. , 2017, , 117-120.		2
698	<title>Ultrasound-modulated optical tomography for thick tissue imaging</title>. , 1995, , .		1
699	Oblique incidence reflectometry: optical-fiber implementation. , 1996, 2681, 266.		1
700	<title>Ultrasonic modulation of diffuse light in turbid media</title>. , 1997, 2979, 24.		1
701	Cluster Model Description of Polarized Cu K-Edge Spectra of Nd2-xCexCuO4-Î´. International Journal of Modern Physics B, 1998, 12, 3299-3305.	2.0	1
702	Cu K-Edge Study of (Tl0.5Pb0.5)Sr2Ca1-xYxCu2O7-Î´. International Journal of Modern Physics B, 1998, 12, 3296-3298.	2.0	1

#	ARTICLE	IF	CITATIONS
703	<title>Two-dimensional tissue imaging by use of parallel detection of ultrasound-modulated laser speckles</title>. , 2000, , .		1
704	<title>Scanning optoacoustic tomography with microwave radiation</title>. , 2000, , .		1
705	High-resolution ultrasound-aided biophotonic imaging. , 2004, 2004, 5307-10.		1
706	High-resolution functional photoacoustic tomography. , 0, , .		1
707	Fiber-based polarization-sensitive Mueller-matrix optical coherence tomography with continuous source polarization modulation. , 2004, , .		1
708	Signal and noise in ultrasound-modulated optical tomography: a Monte Carlo study. , 2004, , .		1
709	A theoretical investigation of human skin thermal response to near-infrared laser irradiation. , 2004, , .		1
710	Analysis of physiological parameters in skin tumors by a scaleable Monte Carlo simulation. , 2005, , .		1
711	Analytical model for modulation of diffuse light by pulsed ultrasonic waves. , 2005, , .		1
712	Functional photoacoustic tomography for non-invasive imaging of cerebral blood oxygenation and blood volume in rat brain in vivo. , 2005, , .		1
713	Towards very high resolution imaging in ultrasound-modulated optical tomography of biological tissues. , 2006, , .		1
714	Functional photoacoustic microscopy in vivo. , 2006, 6086, 377.		1
715	In vivo functional photoacoustic imaging of brain tumor vasculature. , 2006, 6086, 91.		1
716	Virtual-detector synthetic aperture focusing technique with application in in vivo photoacoustic microscopy. , 2006, 6086, 369.		1
717	Pulsed ultrasound-modulated optical tomography using spectral hole-burning. , 2008, , .		1
718	Imaging of optical scattering contrast using ultrasound-modulated optical tomography. Proceedings of SPIE, 2008, , .	0.8	1
719	RF diffraction effect in RF-induced thermoacoustic tomography: calibration and distortion. , 2008, , .		1
720	Toward functional ultrasound-modulated optical tomography: a phantom study. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
721	Photoacoustic tomography: High-resolution imaging of optical contrast in vivo at superdepths. , 2009, , .		1
722	High-NA-based virtual point detectors for photoacoustic imaging. , 2009, , .		1
723	In vivo, dual-modality imaging of mouse eyes: optical coherence tomography and photoacoustic microscopy within a single instrument. Proceedings of SPIE, 2010, , .	0.8	1
724	Introduction to the Special Issue on Biophotonicsâ€"Part 1. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 475-477.	2.9	1
725	Introduction to the Special Issue on Biophotonicsâ€"Part 2. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 703-705.	2.9	1
726	Special Section Guest Editorial: Photons Plus Ultrasound: Imaging and Sensing. Journal of Biomedical Optics, 2010, 15, 021301.	2.6	1
727	Real-time monitoring of small animal cortical hemodynamics by photoacoustic tomography. Proceedings of SPIE, 2010, , .	0.8	1
728	Molecular photoacoustic imaging using gold nanoparticles as a contrast agent. , 2010, , .		1
729	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.	4.2	1
730	Optimal oblique light illumination for photoacoustic microscopy beyond the diffusion limit. Proceedings of SPIE, 2011, , .	0.8	1
731	Improving the imaging ability of ultrasound-modulated optical tomography with spectral-hole burning. Proceedings of SPIE, 2011, , .	0.8	1
732	Tyrosinase-catalyzed melanin as a contrast agent for photoacoustic tomography. Proceedings of SPIE, 2011, , .	0.8	1
733	Subwavelength-resolution photoacoustic microscopy for label-free detection of optical absorption in vivo. Proceedings of SPIE, 2011, , .	0.8	1
734	Three-dimensional photoacoustic imaging with a clinical two-dimensional matrix ultrasound transducer. , 2011, , .		1
735	Second generation optical-resolution photoacoustic microscopy. , 2011, , .		1
736	Volumetric Photoacoustic Endoscopy. , 2012, , .		1
737	Double-illumination photoacoustic microscopy of intestinal hemodynamics following massive small bowel resection. Proceedings of SPIE, 2012, , .	0.8	1
738	Ring-shaped confocal photoacoustic computed tomography for small-animal whole-body imaging. Proceedings of SPIE, 2012, , .	0.8	1

#	ARTICLE	IF	CITATIONS
739	Time-reversed ultrasonically encoded (TRUE) optical focusing in reflection mode: demonstrations in tissue mimicking phantoms and ex vivo tissue. , 2012, , .		1
740	Effect of light scattering on optical-resolution photoacoustic microscopy. Proceedings of SPIE, 2012, , .	0.8	1
741	The study of quantitative optical absorption imaging by using Monte Carlo simulation of combined photoacoustic tomography and ultrasound-modulated optical tomography. Proceedings of SPIE, 2012, , .	0.8	1
742	In vivo imaging of cell nuclei by photoacoustic microscopy without staining. Proceedings of SPIE, 2012, , .	0.8	1
743	Wide range quantitative photoacoustic spectroscopy to measure non-linear optical absorption of hemoglobin. , 2012, , .		1
744	DMD-encoded spectral photoacoustic microscopy. , 2012, , .		1
745	Carbon nanoparticles as a multimodal thermoacoustic and photoacoustic contrast agent. Proceedings of SPIE, 2013, , .	0.8	1
746	Water-Immersible MEMS scanning mirror designed for wide-field fast-scanning photoacoustic microscopy. Proceedings of SPIE, 2013, , .	0.8	1
747	FÃ¶rster resonance energy transfer photoacoustic microscopy. Proceedings of SPIE, 2013, , .	0.8	1
748	Towards single molecule detection using photoacoustic microscopy. , 2013, , .		1
749	Deep subwavelength optical imaging using correlated nano-torches. Applied Physics Letters, 2013, 103, 201119.	3.3	1
750	Digital reflection-mode time-reversed ultrasonically encoded (TRUE) optical focusing. , 2014, , .		1
751	Low-rank matrix estimation-based spatio-temporal image reconstruction for dynamic photoacoustic computed tomography. , 2014, , .		1
752	Simultaneous reconstruction of absorbed optical energy density and speed of sound distributions in photoacoustic computed tomography. , 2014, , .		1
753	Mouse brain imaging using photoacoustic computed tomography. Proceedings of SPIE, 2014, , .	0.8	1
754	Optical Focusing in Scattering Media with Photoacoustic Wavefront Shaping (PAWS). , 2014, , .		1
755	Combined optical and mechanical scanning in optical-resolution photoacoustic microscopy. Proceedings of SPIE, 2014, , .	0.8	1
756	A handheld optical fiber parallel acoustic delay line (PADL) probe for photoacoustic tomography. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
757	Photoacoustic molecular imaging of angiogenesis using theranostic Î±Î½Î²3-targeted copper nanoparticles incorporating a sn-2 lipase-labile fumagillin prodrug. , 2014, , .		1
758	Noninvasive photoacoustic microscopy of methemoglobin in vivo. Proceedings of SPIE, 2015, , .	0.8	1
759	Photoacoustic computed tomography without accurate ultrasonic transducer responses. , 2015, , .		1
760	In vivo deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography. , 2015, , .		1
761	Reversibly switchable photoacoustic tomography using a genetically encoded near-infrared phytochrome. , 2016, , .		1
762	Compensation for acoustic heterogeneities in photoacoustic computed tomography using a variable temporal data truncation reconstruction method. Proceedings of SPIE, 2016, , .	0.8	1
763	Bessel beam Grueneisen photoacoustic microscopy with extended depth of field. , 2016, , .		1
764	Detecting both melanoma depth and volume in vivo with a handheld photoacoustic probe. Proceedings of SPIE, 2016, , .	0.8	1
765	Improving image quality in compressed ultrafast photography with a space- and intensity-constrained reconstruction algorithm. , 2016, , .		1
766	Real-time photoacoustic flow cytography and photothermolysis of single circulating melanoma cells in vivo. Proceedings of SPIE, 2017, , .	0.8	1
767	Early-stage tumor detection using photoacoustic microscopy: a pattern recognition approach. , 2017, , .		1
768	Analysis of Spatial Resolution in Photoacoustic Tomography. , 2017, , 47-60.		1
769	Optical-resolution photoacoustic microscopy with improved sensitivity and scanning speed. , 2010, , .		1
770	Correcting for heterogeneous fluence profiles in photoacoustic imaging with diffuse optical tomography. , 2010, , .		1
771	Photoacoustic Tomography: Ultrasonically Breaking through the Optical Diffusion Limit. , 2012, , .		1
772	Determination of Particle Size Distribution in Concentrated Suspensions: Photon Migration Approach. , 1998, , .		1
773	White light oblique incidence reflectometer for measuring absorption and reduced scattering spectra of tissue-like turbid media. , 1998, , .		1
774	Microwave-Induced Acoustic (Thermoacoustic) Tomography. , 2017, , 339-348.		1

#	ARTICLE	IF	CITATIONS
775	In vivo photoacoustic multi-contrast imaging and detection of protein interactions using a small near-infrared photochromic protein. , 2019, , .		1
776	<title>Theoretical studies of optimal light delivery for tumor treatment</title>. , 1997, 2975, 84.		0
777	Turbid acousto-optics and its potential for biomedical applications. , 0, , .		0
778	Imaging Turbid Media Using Sonoluminescence. , 1998, , AWA6.		0
779	<title>Chirped ultrasound-modulated optical tomography</title>. , 1999, , .		0
780	Combining sound and light in scattering media. , 1999, , .		0
781	Ultrasound-modulated optical tomography in biological tissue: theoretical and experimental studies. , 2000, , SuF2.		0
782	Simulation study of ultrasound-modulated optical tomography. , 2001, , .		0
783	Time-resolved polarization imaging: Monte Carlo simulation. , 2001, , .		0
784	Signal processing in microwave-induced thermoacoustic tomography. , 2001, , .		0
785	<title>Time-resolved propagation of polarized light in turbid media: experiment and theory</title>. , 2002, , .		0
786	Depth-wise differentiation of Jones matrices obtained from Mueller optical coherence tomography. , 2004, , .		0
787	Half-time-based reflectivity tomography and its application to thermoacoustic tomography. , 2004, , .		0
788	Characterization of the polarization properties of biological tissues with fiber-based Mueller-matrix optical coherence tomography. , 2004, 5319, 130.		0
789	Photoacoustic tomography of rat brain in vivo using multibandwidth ultrasonic detection. , 2004, , .		0
790	High-resolution imaging using ultrasound-modulated optical tomography. , 2004, 5320, 150.		0
791	Diffusion theory for multilayered scattering media. , 2005, 5695, 101.		0
792	Development of the correlation transfer equation of ultrasound-modulated multiply scattered light: a diagrammatic approach. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
793	Adaptive and Robust Techniques (ART) for Thermoacoustic Tomography in Breast Cancer Detection. , 2006, , .		0
794	Signal dependence and noise source in ultrasound-modulated optical tomography: erratum. Applied Optics, 2006, 45, 1288.	2.1	0
795	High-SNR ultrasound-modulated optical tomography with intense acoustic bursts. , 2006, , .		0
796	Optical and mechanical properties in photorefractive crystal based ultrasound-modulated optical tomography. , 2006, , .		0
797	Burn depth determination using high-speed polarization-sensitive Mueller optical coherence tomography with continuous polarization modulation. , 2006, 6079, 421.		0
798	Photoacoustic and thermoacoustic tomography with both optical and electrical contrasts. , 2006, 6086, 332.		0
799	Three-dimensional in vivo near-infrared photoacoustic tomography of whole small animal head. , 2006, 6086, 208.		0
800	In vivo functional photoacoustic tomography of traumatic brain injury in rats. , 2006, 6086, 201.		0
801	In vivo Functional Imaging Using Photoacoustic Microscopy. , 2006, , WD1.		0
802	Correlation transfer and diffusion of ultrasound-modulated multiply scattered light. , 2006, , .		0
803	Deep reflection-mode photoacoustic imaging and resolution scalability with depth. , 2007, , .		0
804	Laser speckle statistics in ultrasound-modulated optical tomography. , 2007, , .		0
805	Correlation transfer equation for multiply scattered light modulated by an ultrasonic pulse: an analytical model and Monte Carlo simulation. , 2007, , .		0
806	Photoacoustic Doppler flowmetry. Proceedings of SPIE, 2008, , .	0.8	0
807	Small animal imaging using a curved array photoacoustic tomography system. Proceedings of SPIE, 2008, , .	0.8	0
808	Improving the image quality of photoacoustic tomography (PAT) by using a negative acoustic lens. , 2008, , .		0
809	Optical coherence computed tomography. , 2008, , .		0
810	Multi-bandwidth image reconstruction in photoacoustic tomography. Proceedings of SPIE, 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
811	Deep reflection-mode photoacoustic imaging of internal organs. Proceedings of SPIE, 2008, , .	0.8	0
812	Ultrasound-modulated optical tomography using four-wave mixing in photorefractive polymers. Proceedings of SPIE, 2008, , .	0.8	0
813	Photoacoustic tomography. , 2008, , .		0
814	A novel endoscopic oidrs system for non-invasive early diagnosis of esophageal cancers. , 2009, , .		0
815	Photoacoustic tomography: High-resolution imaging of optical contrast in vivo at new depths. , 2009, , .		0
816	Photoacoustic microscopy of cerebral blood-oxygenation dynamics in mice. Proceedings of SPIE, 2009, , .	0.8	0
817	Fast 3-D photoacoustic imaging in vivo with a high frequency ultrasound array toward clinical applications. , 2009, , .		0
818	In vivo noninvasive monitoring of microhemodynamics using optical-resolution photoacoustic microscopy. Proceedings of SPIE, 2009, , .	0.8	0
819	Ultrasound-modulated optical microscopy for ex-vivo imaging of scattering biological tissue. Proceedings of SPIE, 2009, , .	0.8	0
820	Ring-shaped light illumination ultrasound-modulated optical tomography and its application for sentinel lymph node mapping ex vivo. , 2009, , .		0
821	Monte Carlo simulation of light transport in dark-field confocal photoacoustic microscopy. , 2009, , .		0
822	Compressed sensing in photoacoustic tomography with in vivo experiments. , 2010, , .		0
823	Invasive and transcranial photoacoustic imaging of the vascular response to brain electrical stimulation. , 2010, , .		0
824	Ultrasound array photoacoustic microscopy for dynamic in vivo 3D imaging. Proceedings of SPIE, 2010, , .	0.8	0
825	Photoacoustic microscopy using Evans Blue dye as a contrast agent. Proceedings of SPIE, 2010, , .	0.8	0
826	In vivo photoacoustic and ultrasonic mapping of rat sentinel lymph nodes with a modified commercial ultrasound imaging system. Proceedings of SPIE, 2010, , .	0.8	0
827	In vivo dual-modality imaging of lymphatic systems using indocyanine green in rats: three-dimensional photoacoustic imaging and planar fluorescence imaging. , 2010, , .		0
828	Photoacoustic quantification of the optical absorption cross-sections of gold nanostructures. Proceedings of SPIE, 2010, , .	0.8	0

#	ARTICLE	IF	CITATIONS
829	Chronic label-free volumetric photoacoustic microscopy of melanoma cells in scaffolds in vitro. Proceedings of SPIE, 2011, , .	0.8	0
830	Focusing light into turbid media: time-reversed ultrasonically encoded (TRUE) focusing. Proceedings of SPIE, 2011, , .	0.8	0
831	Quantification of optical absorption coefficients from acoustic spectra with photoacoustic tomography. Proceedings of SPIE, 2011, , .	0.8	0
832	High speed inverted optical-resolution photoacoustic microscopy. Proceedings of SPIE, 2011, , .	0.8	0
833	Effects of calibration factors and intensity dependent non-linearity on functional photoacoustic microscopy. Proceedings of SPIE, 2011, , .	0.8	0
834	Development of real-time photoacoustic microscopy. Proceedings of SPIE, 2011, , .	0.8	0
835	Combined ultrasonic and photoacoustic system for deep tissue imaging. , 2011, , .		0
836	JBO Setting New Records. Journal of Biomedical Optics, 2012, 17, 020101.	2.6	0
837	In vivo quantitative evaluation of gold nanocages' kinetics in sentinel lymph nodes by photoacoustic tomography. , 2012, , .		0
838	Analysis of the role of shear waves in transcranial photoacoustic tomography. Proceedings of SPIE, 2012, , .	0.8	0
839	Towards nonionizing photoacoustic cystography. , 2012, , .		0
840	Quantification of optical absorption coefficient from acoustic spectra in the optical diffusive regime using photoacoustic microscopy. , 2012, , .		0
841	Functional photoacoustic microscopy of pH. Proceedings of SPIE, 2012, , .	0.8	0
842	In vivo photoacoustic tomography of total blood flow and Doppler angle. , 2012, , .		0
843	Ultrasonic encoding of diffused light: from optical imaging to light focusing in turbid media. Proceedings of SPIE, 2012, , .	0.8	0
844	Photoacoustic speckles: boundary dependence and experimental validation. , 2012, , .		0
845	Photoacoustic microscopy of myocardial sheet architecture in unfixed and unstained mammalian hearts. , 2012, , .		0
846	Photoacoustic microscopy of neovascularization in three-dimensional porous scaffoldsin vivo. Proceedings of SPIE, 2013, , .	0.8	0

#	ARTICLE	IF	CITATIONS
847	Quantitative imaging of bilirubin by photoacoustic microscopy. Proceedings of SPIE, 2013, , .	0.8	0
848	Combined optical- and acoustic-resolution photoacoustic microscopy based on an optical fiber bundle. , 2013, , .		0
849	A water-immersible two-axis scanning mirror microsystem for ultrasound and photoacoustic microscopic imaging applications. Proceedings of SPIE, 2013, , .	0.8	0
850	Parallel acoustic delay lines for photoacoustic tomography. , 2013, , .		0
851	Single-cell photoacoustic thermometry. Proceedings of SPIE, 2013, , .	0.8	0
852	Video-rate photoacoustic microscopy of micro-vasculatures. , 2013, , .		0
853	Photoacoustic microscopy with 7.6-Î¼m axial resolution. , 2013, , .		0
854	Blood pulse wave velocity measured by photoacoustic microscopy. , 2013, , .		0
855	Photoacoustic endoscopic imaging of the rabbit mediastinum. , 2013, , .		0
856	A parabolic mirror-based proximally actuated photoacoustic endoscope. Proceedings of SPIE, 2013, , .	0.8	0
857	Multifocal optical-resolution photoacoustic microscopy in reflection mode. Proceedings of SPIE, 2013, , .	0.8	0
858	Photoacoustic tomography: Ultrasonically breaking through the optical diffusion and diffraction limits. , 2013, , .		0
859	Photoacoustic microscopy with enhanced resolution and imaging depth aided by optical clearing. , 2014, , .		0
860	Improving the axial resolution in time-reversed ultrasonically encoded (TRUE) optical focusing with dual ultrasonic waves. , 2014, , .		0
861	Photothermal bleaching and recovery analysis in photoacoustic microscopy. Proceedings of SPIE, 2014, , .	0.8	0
862	Investigation of effective system designs for transcranial photoacoustic tomography of the brain. Proceedings of SPIE, 2014, , .	0.8	0
863	Photothermal bleaching in time-lapse photoacoustic microscopy. , 2014, , .		0
864	Cross-correlation-based flowmetry using optical-resolution photoacoustic microscopy with a digital micromirror device. Proceedings of SPIE, 2014, , .	0.8	0

#	ARTICLE	IF	CITATIONS
865	Acoustic-speed correction of photoacoustic tomography by ultrasonic computed tomography based on optical excitation of elements of a full-ring transducer array. , 2014, , .		0
866	Localized fluorescence excitation in opaque media by time-reversed ultrasonically encoded (TRUE) optical focusing. Proceedings of SPIE, 2014, , .	0.8	0
867	Photoacoustic Doppler axial flow measurement of homogenous media using structured illumination. , 2014, , .		0
868	Intracellular temperature mapping with fluorescence-assisted photoacoustic thermometry. Proceedings of SPIE, 2014, , .	0.8	0
869	Photoacoustic microscopy with an enhanced axial resolution of 5.8 Î¼m. Proceedings of SPIE, 2014, , .	0.8	0
870	Co-registered spectral photoacoustic tomography and ultrasonography of breast cancer. , 2014, , .		0
871	Photoacoustic correlation spectroscopy for calibration-free absolute quantification of particle concentration. Proceedings of SPIE, 2014, , .	0.8	0
872	Noninvasive measurement of internal jugular venous oxygen saturation by photoacoustic imaging. , 2014, , .		0
873	Near-infrared Optical-resolution Photoacoustic Microscopy with 1046 nm Illumination. , 2014, , .		0
874	Sub-diffraction-limited imaging by photobleaching imprinting microscopy. , 2014, , .		0
875	Fast Functional Photoacoustic Microscopy of Mouse Brain. , 2015, , .		0
876	Image reconstruction in transcranial photoacoustic computed tomography of the brain. Proceedings of SPIE, 2015, , .	0.8	0
877	Three-dimensional photoacoustic and ultrasonic endoscopic imaging of two rabbit esophagi. , 2015, , .		0
878	Amplitude-masked photoacoustic wavefront shaping: theory and application in flowmetry. Proceedings of SPIE, 2015, , .	0.8	0
879	Photoacoustic microscopy of complex regional pain syndrome type I (CRPS-1) after stellate ganglion blocks in vivo. , 2015, , .		0
880	A micromachined silicon parallel acoustic delay line (PADL) array for real-time photoacoustic tomography (PAT). Proceedings of SPIE, 2015, , .	0.8	0
881	Label-free structural photoacoustic tomography of intact mouse brain. Proceedings of SPIE, 2015, , .	0.8	0
882	DMD-based spatially Fourier-encoded photoacoustic microscopy. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
883	Label-free optical-resolution photoacoustic endomicroscopy in vivo. , 2015, , .		0
884	Cuffing-based photoacoustic flowmetry in humans at depths in the diffusive regime. , 2016, , .		0
885	Compensation for air voids in photoacoustic computed tomography image reconstruction. Proceedings of SPIE, 2016, , .	0.8	0
886	Vascular elastic photoacoustic tomography in humans. Proceedings of SPIE, 2016, , .	0.8	0
887	In vivo photoacoustic flowmetry in the optical diffusive regime based on saline injection. , 2016, , .		0
888	Hybrid iterative wavefront shaping for high-speed focusing through scattering media. , 2016, , .		0
889	Time-of-flight compressed-sensing ultrafast photography for encrypted three-dimensional dynamic imaging. , 2016, , .		0
890	Optical focusing through biological tissue and tissue-mimicking phantoms up to 9.6 centimeters thick with digital optical phase conjugation. Proceedings of SPIE, 2017, , .	0.8	0
891	Linear-array-based photoacoustic tomography for label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters. , 2017, , .		0
892	Photoacoustic Molecular Imaging: Principles and Practice. , 2021, , 233-244.		0
893	Scanning Thermoacoustic Tomograhy in Biological Tissue. , 2000, , .		0
894	RF- and laser-induced thermoacoustic tomography. , 2002, , .		0
895	Mechanisms of ultrasonic modulation of multiply scattered coherent light. , 2002, , .		0
896	Time-resolved propagation of polarized light in scattering media: simulations and experiments. , 2002, , .		0
897	High-resolution photoacoustic tomography. , 2004, , .		0
898	Medical Imaging with Microwave: Thermoacoustic Tomography. , 0, , .		0
899	Photoacoustic imaging: high-resolution optical imaging beyond the quasi-ballistic regime. , 2007, , .		0
900	A Fast 512-Channel System for Real-Time Photoacoustic Imaging of Small Animals. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
901	Deconvolution-Based Image Reconstruction for Photoacoustic Tomography in Circular Geometry. , 2010, , .		0
902	Dynamic High-Resolution 3-D Photoacoustic Microscopy with Cylindrically Focused Optical Illumination. , 2010, , .		0
903	Simultaneously Imaging Oxygen Saturation and Blood Flow Using Optical-resolution Photoacoustic Microscopy. , 2010, , .		0
904	Integrated photoacoustic and optical coherence microscopy and its biomedical applications. , 2010, , .		0
905	In Vivo Photoacoustic Mapping of Sentinel Lymph Nodes Using Perfluorocarbon-based Nanoparticles. , 2010, , .		0
906	Vibrational Photoacoustic Microscopy for Depth-resolved Bond-selective Imaging of Tissues and Organisms. , 2011, , .		0
907	Slow Light for Cancer Detection: Ultrasound-Modulated Optical Tomography Using Slow Light in Spectral Hole Burning Materials. , 2011, , .		0
908	Ring-shaped confocal photoacoustic computed tomography for small-animal whole-body imaging. , 2012, , .		0
909	Time-reversed ultrasonically encoded optical focusing in biological tissue. Journal of Biomedical Optics, 2012, 17, 036001.	2.6	0
910	Time-Reversed Ultrasonically Encoded (TRUE) Optical Focusing into Soft Biological Tissue. , 2012, , .		0
911	Spectrally Encoded Photoacoustic Microscopy Using a Digital Mirror Device. , 2012, , .		0
912	A Novel Handheld Photoacoustic Imaging Probe Using Micromachined Silicon Parallel Acoustic Delay Lines (PADLs). , 2014, , .		0
913	Fully motorized optical-resolution photoacoustic microscopy. , 2014, , .		0
914	Cross-beam Nonlinear Photoacoustic Microscopy. , 2014, , .		0
915	Deep subwavelength imaging using multiple correlated narrow slits. , 2014, , .		0
916	Effect of chicken breast tissue anisotropy on absorption and scattering spectra. , 1998, , .		0
917	Diffuse Reflectance Polarization Images of Turbid Media Affected by Glucose. , 1998, , .		0
918	Frequency-Swept Ultrasound-Modulated Optical Tomography. , 1998, , .		0

#	ARTICLE	IF	CITATIONS
919	Guiding Photons through the Scattering Maze: Progress and Challenges in Optical Wavefront Shaping. , 2016, , .		0
920	Wide-field Fast-scanning Photoacoustic Microscopy of Brain Functions in Action. , 2017, , .		0
921	Dark-Field Confocal Photoacoustic Microscopy. , 2017, , 267-280.		0
922	Deep-Penetrating Reflection-Mode Photoacoustic Imaging. , 2017, , 281-286.		0
923	Photoacoustic Tomography Based on Ring-Shaped Virtual Point Ultrasonic Detector. , 2017, , 201-208.		0
924	Whole-organ atlas imaged by label-free high-resolution photoacoustic microscopy assisted by a microtome. , 2018, , .		0
925	Photoacoustic microscopy enables multilayered histological imaging of human breast cancer without staining. , 2018, , .		0
926	Linear-array based full-view high-resolution photoacoustic computed tomography of whole mouse brain functions in vivo. , 2018, , .		0
927	Quantitative cell nuclear imaging by dual-view optical-resolution photoacoustic microscopy. , 2019, , .		0
928	Functional vascular imaging by Photoacoustic Microscopy (PAM) and its biomedical application. , 2019, , .		0
929	Single-shot 5D imaging at 100 billion frames per second using stereo-polarimetric compressed ultrafast photography. , 2021, , .		0
930	Multiscale photoacoustic tomography of a genetically encoded near-infrared FRET biosensor. , 2022, , .		0
931	Integration of photoacoustic computed tomography with multitargeted polymer-based nanoparticles visualizes breast cancer intratumor heterogeneity. , 2022, , .		0