

Lihong V Wang

List of Publications by Year in descending order

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931
papers

74,054
citations

506

128
h-index

779

248
g-index

960
all docs

960
docs citations

960
times ranked

32376
citing authors

#	ARTICLE	IF	CITATIONS
1	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , 2022, 6, 584-592.	11.6	97
2	Probing single-cell oxygen reserve in sickled erythrocytes via in vivo photoacoustic microscopy. <i>American Journal of Hematology</i> , 2022, 97, .	2.0	3
3	Multiscale photoacoustic tomography of a genetically encoded near-infrared FRET biosensor. , 2022, , .		0
4	Integration of photoacoustic computed tomography with multitargeted polymer-based nanoparticles visualizes breast cancer intratumor heterogeneity. , 2022, , .		0
5	The emerging role of photoacoustic imaging in clinical oncology. <i>Nature Reviews Clinical Oncology</i> , 2022, 19, 365-384.	12.5	115
6	Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. <i>Neurophotonics</i> , 2022, 9, 013001.	1.7	17
7	Deep learning acceleration of multiscale superresolution localization photoacoustic imaging. <i>Light: Science and Applications</i> , 2022, 11, 131.	7.7	52
8	Photoacoustic imaging reveals mechanisms of rapid-acting insulin formulations dynamics at the injection site. <i>Molecular Metabolism</i> , 2022, 62, 101522.	3.0	14
9	Roadmap on wavefront shaping and deep imaging in complex media. <i>JPhys Photonics</i> , 2022, 4, 042501.	2.2	45
10	Derivation from Bloch Equation to von Neumann Equation to Schrödinger-Pauli Equation. <i>Foundations of Physics</i> , 2022, 52, .	0.6	4
11	Cross-Ray Ultrasound Tomography and Photoacoustic Tomography of Cerebral Hemodynamics in Rodents. <i>Advanced Science</i> , 2022, 9, .	5.6	7
12	Photoacoustic Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021, 3233, 147-175.	0.8	13
13	Integration of Multitargeted Polymer-Based Contrast Agents with Photoacoustic Computed Tomography: An Imaging Technique to Visualize Breast Cancer Intratumor Heterogeneity. <i>ACS Nano</i> , 2021, 15, 2413-2427.	7.3	16
14	Real-time observation and control of optical chaos. <i>Science Advances</i> , 2021, 7, .	4.7	20
15	Photoacoustic Molecular Imaging: Principles and Practice. , 2021, , 233-244.		0
16	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. <i>Nature Communications</i> , 2021, 12, 882.	5.8	77
17	Photoacoustic Computed Tomography of Breast Cancer in Response to Neoadjuvant Chemotherapy. <i>Advanced Science</i> , 2021, 8, 2003396.	5.6	26
18	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. <i>Nature Protocols</i> , 2021, 16, 2381-2394.	5.5	12

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19	Acoustic sensing with light. <i>Nature Photonics</i> , 2021, 15, 324-326.	15.6	8
20	Toward photoswitchable electronic pre-resonance stimulated Raman probes. <i>Journal of Chemical Physics</i> , 2021, 154, 135102.	1.2	20
21	Recent Advances in Photoacoustic Tomography. <i>BME Frontiers</i> , 2021, 2021, .	2.2	34
22	Photoacoustic computed tomography for functional human brain imaging [Invited]. <i>Biomedical Optics Express</i> , 2021, 12, 4056.	1.5	36
23	Perspective on fast-evolving photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2021, 26, .	1.4	24
24	Focusing light into scattering media with ultrasound-induced field perturbation. <i>Light: Science and Applications</i> , 2021, 10, 159.	7.7	18
25	Multiscale Photoacoustic Tomography of a Genetically Encoded Near-Infrared FRET Biosensor. <i>Advanced Science</i> , 2021, 8, e2102474.	5.6	12
26	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. <i>Transfusion Medicine Reviews</i> , 2021, 35, 46-55.	0.9	6
27	Single-shot 5D imaging at 100 billion frames per second using stereo-polarimetric compressed ultrafast photography. , 2021, , .		0
28	Spatiotemporal strategies to identify aggressive biology in precancerous breast biopsies. <i>WIREs Mechanisms of Disease</i> , 2021, 13, e1506.	1.5	4
29	Prospects of Photo- and Thermoacoustic Imaging in Neurosurgery. <i>Neurosurgery</i> , 2020, 87, 11-24.	0.6	7
30	Single-shot stereo-polarimetric compressed ultrafast photography for light-speed observation of high-dimensional optical transients with picosecond resolution. <i>Nature Communications</i> , 2020, 11, 5252.	5.8	49
31	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. <i>Light: Science and Applications</i> , 2020, 9, 135.	7.7	17
32	Harnessing a multi-dimensional fibre laser using genetic wavefront shaping. <i>Light: Science and Applications</i> , 2020, 9, 149.	7.7	44
33	Single-Shot Time-Reversed Optical Focusing into and through Scattering Media. <i>ACS Photonics</i> , 2020, 7, 2871-2877.	3.2	8
34	EGFR in enterocytes & endothelium and HIF1 α in enterocytes are dispensable for massive small bowel resection induced angiogenesis. <i>PLoS ONE</i> , 2020, 15, e0236964.	1.1	3
35	Transcranial photoacoustic computed tomography based on a layered back-projection method. <i>Photoacoustics</i> , 2020, 20, 100213.	4.4	28
36	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3535-3547.	5.4	32

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37	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. <i>Science Advances</i> , 2020, 6, eaay1192.	4.7	34
38	Evolving cervical imaging technologies to predict preterm birth. <i>Seminars in Immunopathology</i> , 2020, 42, 385-396.	2.8	8
39	Fighting against Fast Speckle Decorrelation for Light Focusing inside Live Tissue by Photon Frequency Shifting. <i>ACS Photonics</i> , 2020, 7, 837-844.	3.2	11
40	Iterative image reconstruction in transcranial photoacoustic tomography based on the elastic wave equation. <i>Physics in Medicine and Biology</i> , 2020, 65, 055009.	1.6	25
41	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. <i>Nature Photonics</i> , 2020, 14, 164-170.	15.6	70
42	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. <i>Science Advances</i> , 2020, 6, eaay6200.	4.7	29
43	Single-shot ultrafast imaging attaining 70 trillion frames per second. <i>Nature Communications</i> , 2020, 11, 2091.	5.8	80
44	Spatio-temporal-spectral imaging of non-repeatable dissipative soliton dynamics. <i>Nature Communications</i> , 2020, 11, 2059.	5.8	29
45	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1848-1853.	1.7	37
46	Single-shot compressed ultrafast photography: a review. <i>Advanced Photonics</i> , 2020, 2, 1.	6.2	47
47	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	13
48	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients in vivo. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	22
49	Wave of single-impulse-stimulated fast initial dip in single vessels of mouse brains imaged by high-speed functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	19
50	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	14
51	Graphics processing unit accelerating compressed sensing photoacoustic computed tomography with total variation. <i>Applied Optics</i> , 2020, 59, 712.	0.9	7
52	Intelligently optimized digital optical phase conjugation with particle swarm optimization. <i>Optics Letters</i> , 2020, 45, 431.	1.7	12
53	Photoacoustic Tomography of Neural Systems. , 2020, , 349-378.		7
54	Dual-polarization analog optical phase conjugation for focusing light through scattering media. <i>Applied Physics Letters</i> , 2019, 114, 231104.	1.5	12

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55	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines in vivo. <i>Science Robotics</i> , 2019, 4, .	9.9	321
56	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , 2019, 13, 609-615.	15.6	158
57	In vivo label-free functional photoacoustic monitoring of ischemic reperfusion. <i>Journal of Biophotonics</i> , 2019, 12, e201800454.	1.1	31
58	High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. <i>Nature Biomedical Engineering</i> , 2019, 3, 381-391.	11.6	58
59	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , 2019, 8, 36.	7.7	67
60	Microwave-induced thermoacoustic tomography through an adult human skull. <i>Medical Physics</i> , 2019, 46, 1793-1797.	1.6	25
61	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. <i>Science Advances</i> , 2019, 5, eaay1211.	4.7	26
62	Photoacoustic computed tomography of human extremities. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	1.4	42
63	Dictionary learning sparse-sampling reconstruction method for in-vivo 3D photoacoustic computed tomography. <i>Biomedical Optics Express</i> , 2019, 10, 1660.	1.5	14
64	Angular-spectrum modeling of focusing light inside scattering media by optical phase conjugation. <i>Optica</i> , 2019, 6, 250.	4.8	42
65	Physical picture of the optical memory effect. <i>Photonics Research</i> , 2019, 7, 1323.	3.4	40
66	In vivo photoacoustic multi-contrast imaging and detection of protein interactions using a small near-infrared photochromic protein. , 2019, , .		1
67	Quantitative cell nuclear imaging by dual-view optical-resolution photoacoustic microscopy. , 2019, , .		0
68	Functional vascular imaging by Photoacoustic Microscopy (PAM) and its biomedical application. , 2019, , .		0
69	Recent progress in photoacoustic molecular imaging. <i>Current Opinion in Chemical Biology</i> , 2018, 45, 104-112.	2.8	75
70	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography <i>in vivo</i> . <i>Journal of Biophotonics</i> , 2018, 11, e201700024.	1.1	86
71	Correcting the limited view in optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700196.	1.1	15
72	Synthetic Bessel light needle for extended depth-of-field microscopy. <i>Applied Physics Letters</i> , 2018, 113, 181104.	1.5	17

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73	Single-shot ultrafast optical imaging. <i>Optica</i> , 2018, 5, 1113.	4.8	136
74	Large field homogeneous illumination in microwave-induced thermoacoustic tomography based on a quasi-conical spiral antenna. <i>Applied Physics Letters</i> , 2018, 113, 123701.	1.5	13
75	Compressed ultrafast photography by multi-encoding imaging. <i>Laser Physics Letters</i> , 2018, 15, 116202.	0.6	23
76	Optimizing codes for compressed ultrafast photography by the genetic algorithm. <i>Optica</i> , 2018, 5, 147.	4.8	30
77	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , 2018, 5, 495.	4.8	29
78	Label-free cell nuclear imaging by Gr ^{1/4} neisen relaxation photoacoustic microscopy. <i>Optics Letters</i> , 2018, 43, 947.	1.7	26
79	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. <i>Nature Communications</i> , 2018, 9, 2734.	5.8	77
80	Multiscale Photoacoustic Tomography. <i>Optics and Photonics News</i> , 2018, 29, 32.	0.4	8
81	Compressed 3D Image Information and Communication Security. <i>Advanced Quantum Technologies</i> , 2018, 1, 1800034.	1.8	4
82	Single-shot real-time femtosecond imaging of temporal focusing. <i>Light: Science and Applications</i> , 2018, 7, 42.	7.7	100
83	Parameterized Joint Reconstruction of the Initial Pressure and Sound Speed Distributions for Photoacoustic Computed Tomography. <i>SIAM Journal on Imaging Sciences</i> , 2018, 11, 1560-1588.	1.3	28
84	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	5.8	290
85	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	10
86	Transvaginal fast-scanning optical-resolution photoacoustic endoscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	32
87	In vivo characterization of connective tissue remodeling using infrared photoacoustic spectra. <i>Journal of Biomedical Optics</i> , 2018, 23, 1-6.	1.4	5
88	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	26
89	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	8
90	High-speed alignment optimization of digital optical phase conjugation systems based on autocovariance analysis in conjunction with orthonormal rectangular polynomials. <i>Journal of Biomedical Optics</i> , 2018, 24, 1.	1.4	12

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91	Clinical photoacoustic computed tomography of the human breast in vivo within a single breath hold. , 2018, , .		2
92	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. Optics Letters, 2018, 43, 4875.	1.7	25
93	Whole-organ atlas imaged by label-free high-resolution photoacoustic microscopy assisted by a microtome. , 2018, , .		0
94	Photoacoustic microscopy enables multilayered histological imaging of human breast cancer without staining. , 2018, , .		0
95	Linear-array based full-view high-resolution photoacoustic computed tomography of whole mouse brain functions in vivo. , 2018, , .		0
96	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.	1.4	4
97	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. Science Advances, 2017, 3, e1601814.	4.7	101
98	Direct measurement of hypoxia in a xenograft multiple myeloma model by optical-resolution photoacoustic microscopy. Cancer Biology and Therapy, 2017, 18, 101-105.	1.5	18
99	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. Applied Physics Letters, 2017, 110, .	1.5	18
100	Comparative Effects of Linearly and Circularly Polarized Illumination on Microwave-Induced Thermoacoustic Tomography. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1593-1596.	2.4	20
101	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. Journal of Investigative Dermatology, 2017, 137, 1370-1372.	0.3	54
102	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
103	Quantitative photoacoustic elastography of Young's modulus in humans. , 2017, , .		6
104	Dry coupling for whole-body small-animal photoacoustic computed tomography. Journal of Biomedical Optics, 2017, 22, 1.	1.4	17
105	Real-time photoacoustic flow cytography and photothermolysis of single circulating melanoma cells in vivo. Proceedings of SPIE, 2017, , .	0.8	1
106	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. Nature Biomedical Engineering, 2017, 1, .	11.6	334
107	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. Science Advances, 2017, 3, e1602168.	4.7	187
108	Early-stage tumor detection using photoacoustic microscopy: a pattern recognition approach. , 2017, , .		1

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109	Imaging small animal whole-body dynamics by single-impulse panoramic photoacoustic computed tomography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
110	Mitigation of artifacts due to isolated acoustic heterogeneities in photoacoustic computed tomography using a variable data truncation-based reconstruction method. <i>Journal of Biomedical Optics</i> , 2017, 22, 041018.	1.4	21
111	Ultrafast imaging of light scattering dynamics using second-generation compressed ultrafast photography. , 2017, , .		3
112	Linear-array-based photoacoustic tomography for label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters. , 2017, , .		0
113	Iterative image reconstruction in elastic inhomogenous media with application to transcranial photoacoustic tomography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
114	Nanoparticles for Photoacoustic Imaging of Vasculature. , 2017, , 337-356.		3
115	High-speed photoacoustic microscopy of mouse cortical microhemodynamics. <i>Journal of Biophotonics</i> , 2017, 10, 792-798.	1.1	25
116	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. <i>Nature Communications</i> , 2017, 8, 780.	5.8	68
117	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 076017.	1.4	34
118	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
119	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. <i>Applied Physics Letters</i> , 2017, 111, 221109.	1.5	12
120	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. <i>Applied Physics Letters</i> , 2017, 111, 201108.	1.5	40
121	A Forward-Adjoint Operator Pair Based on the Elastic Wave Equation for Use in Transcranial Photoacoustic Computed Tomography. <i>SIAM Journal on Imaging Sciences</i> , 2017, 10, 2022-2048.	1.3	27
122	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , 2017, 8, 1386.	5.8	104
123	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. <i>Scientific Reports</i> , 2017, 7, 2560.	1.6	50
124	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. <i>Optica</i> , 2017, 4, 97.	4.8	27
125	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , 2017, 4, 280.	4.8	127
126	Analysis of the potential for non-invasive imaging of oxygenation at heart depth, using ultrasound optical tomography (UOT) or photo-acoustic tomography (PAT). <i>Biomedical Optics Express</i> , 2017, 8, 4523.	1.5	12

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127	Analysis of Spatial Resolution in Photoacoustic Tomography. , 2017, , 47-60.		1
128	Wide-field Fast-scanning Photoacoustic Microscopy of Brain Functions in Action. , 2017, , .		0
129	Dark-Field Confocal Photoacoustic Microscopy. , 2017, , 267-280.		0
130	Time Reversal in Photoacoustic or Thermoacoustic Tomography. , 2017, , 117-120.		2
131	Microwave-Induced Acoustic (Thermoacoustic) Tomography. , 2017, , 339-348.		1
132	Universal Back-Projection Algorithm for Photoacoustic Tomography. , 2017, , 37-46.		5
133	Deep-Penetrating Reflection-Mode Photoacoustic Imaging. , 2017, , 281-286.		0
134	Photoacoustic Tomography Based on Ring-Shaped Virtual Point Ultrasonic Detector. , 2017, , 201-208.		0
135	<i>In vivo</i> photoacoustic microscopy of human cuticle microvasculature with single-cell resolution. Journal of Biomedical Optics, 2016, 21, 056004.	1.4	27
136	Reversibly switchable photoacoustic tomography using a genetically encoded near-infrared phytochrome. , 2016, , .		1
137	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. Journal of Biophotonics, 2016, 9, 208-212.	1.1	10
138	Space- and intensity-constrained reconstruction for compressed ultrafast photography. Optica, 2016, 3, 694.	4.8	57
139	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. Scientific Reports, 2016, 6, 39616.	1.6	69
140	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. Applied Physics Letters, 2016, 108, 231106.	1.5	22
141	Tutorial on photoacoustic tomography. Journal of Biomedical Optics, 2016, 21, 061007.	1.4	287
142	High-speed, sparse-sampling three-dimensional photoacoustic computed tomography<i>in vivo</i> based on principal component analysis. Journal of Biomedical Optics, 2016, 21, 076007.	1.4	19
143	A practical guide to photoacoustic tomography in the life sciences. Nature Methods, 2016, 13, 627-638.	9.0	947
144	Label-free photoacoustic tomography of whole mouse brain structures ex vivo. Neurophotonics, 2016, 3, 1.	1.7	47

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145	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6Åcm in thickness with digital optical phase conjugation. <i>Journal of Biomedical Optics</i> , 2016, 21, 085001.	1.4	55
146	Hybridized wavefront shaping for high-speed, high-efficiency focusing through dynamic diffusive media. <i>Journal of Biomedical Optics</i> , 2016, 21, 121502.	1.4	18
147	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. <i>Journal of Biomedical Optics</i> , 2016, 22, 1.	1.4	38
148	Handheld optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2016, 22, 041002.	1.4	54
149	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue <i>ex vivo</i> and a whole mouse body <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 22, 041003.	1.4	13
150	Grueneisen relaxation photoacoustic microscopy <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2016, 21, 066005.	1.4	15
151	Cuffing-based photoacoustic flowmetry in humans at depths in the diffusive regime. , 2016, , .		0
152	Compensation for acoustic heterogeneities in photoacoustic computed tomography using a variable temporal data truncation reconstruction method. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
153	Quantitative photoacoustic elastography in humans. <i>Journal of Biomedical Optics</i> , 2016, 21, 066011.	1.4	26
154	Compensation for air voids in photoacoustic computed tomography image reconstruction. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
155	Vascular elastic photoacoustic tomography in humans. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
156	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. <i>Nature Methods</i> , 2016, 13, 67-73.	9.0	206
157	A review of snapshot multidimensional optical imaging: Measuring photon tags in parallel. <i>Physics Reports</i> , 2016, 616, 1-37.	10.3	113
158	Bessel beam Grueneisen photoacoustic microscopy with extended depth of field. , 2016, , .		1
159	Joint Reconstruction of Absorbed Optical Energy Density and Sound Speed Distributions in Photoacoustic Computed Tomography: A Numerical Investigation. <i>IEEE Transactions on Computational Imaging</i> , 2016, 2, 136-149.	2.6	30
160	Bit-efficient, sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media. <i>Optics Letters</i> , 2016, 41, 1321.	1.7	27
161	In vivo photoacoustic flowmetry in the optical diffusive regime based on saline injection. , 2016, , .		0
162	Hybrid iterative wavefront shaping for high-speed focusing through scattering media. , 2016, , .		0

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163	Detecting both melanoma depth and volume <i>in vivo</i> with a handheld photoacoustic probe. Proceedings of SPIE, 2016, , .	0.8	1
164	Time-of-flight compressed-sensing ultrafast photography for encrypted three-dimensional dynamic imaging. , 2016, , .		0
165	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. Journal of Biomedical Optics, 2016, 21, 1.	1.4	9
166	Photoacoustic elastography. Optics Letters, 2016, 41, 725.	1.7	41
167	Improving image quality in compressed ultrafast photography with a space- and intensity-constrained reconstruction algorithm. , 2016, , .		1
168	Focusing light through scattering media by full-polarization digital optical phase conjugation. Optics Letters, 2016, 41, 1130.	1.7	59
169	Seeing Through the Surface: Non-invasive Characterization of Biomaterial-Tissue Interactions Using Photoacoustic Microscopy. Annals of Biomedical Engineering, 2016, 44, 649-666.	1.3	13
170	Multiscale Functional and Molecular Photoacoustic Tomography. Ultrasonic Imaging, 2016, 38, 44-62.	1.4	57
171	Frontiers in Biophotonics for Translational Medicine. Progress in Optical Science and Photonics, 2016, , .	0.3	19
172	Translational Photoacoustic Microscopy. Progress in Optical Science and Photonics, 2016, , 47-73.	0.3	3
173	Guiding Photons through the Scattering Maze: Progress and Challenges in Optical Wavefront Shaping. , 2016, , .		0
174	Analog time-reversed ultrasonically encoded light focusing inside scattering media with a 33,000 \times optical power gain. Scientific Reports, 2015, 5, 8896.	1.6	8
175	Dual-Modality Photoacoustic and Ultrasound Imaging System for Noninvasive Sentinel Lymph Node Detection in Patients with Breast Cancer. Scientific Reports, 2015, 5, 15748.	1.6	175
176	Encrypted Three-dimensional Dynamic Imaging using Snapshot Time-of-flight Compressed Ultrafast Photography. Scientific Reports, 2015, 5, 15504.	1.6	52
177	$\hat{I}^{\pm 1/2}$ -targeted Copper Nanoparticles Incorporating an Sn 2 Lipase-Labile Fumagillin Prodrug for Photoacoustic Neovascular Imaging and Treatment. Theranostics, 2015, 5, 124-133.	4.6	49
178	Fast Functional Photoacoustic Microscopy of Mouse Brain. , 2015, , .		0
179	Image reconstruction in transcranial photoacoustic computed tomography of the brain. Proceedings of SPIE, 2015, , .	0.8	0
180	Catheter-based photoacoustic endoscope for use in the instrument channel of a clinical video endoscope. , 2015, , .		3

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181	Noninvasive photoacoustic microscopy of methemoglobin <i>in vivo</i> . Proceedings of SPIE, 2015, , .	0.8	1
182	Photoacoustic imaging of single circulating melanoma cells <i>in vivo</i> . , 2015, , .		2
183	Three-dimensional photoacoustic and ultrasonic endoscopic imaging of two rabbit esophagi. , 2015, , .		0
184	Photoacoustic tomography of vascular compliance in humans. Journal of Biomedical Optics, 2015, 20, 126008.	1.4	23
185	Amplitude-masked photoacoustic wavefront shaping: theory and application in flowmetry. Proceedings of SPIE, 2015, , .	0.8	0
186	Synergistic image reconstruction for hybrid ultrasound and photoacoustic computed tomography. , 2015, , .		2
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