

# Lihong V Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

768  
papers

56,464  
citations

114  
h-index

217  
g-index

960  
ext. papers

67,216  
ext. citations

6.2  
avg, IF

8.18  
L-index

#	Paper	IF	Citations
768	Neurophotonic tools for microscopic measurements and manipulation: status report.. <i>Neurophotonics</i> , <b>2022</b> , 9, 013001	3.9	0
767	Deep learning acceleration of multiscale superresolution localization photoacoustic imaging.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 131	16.7	7
766	Spatiotemporal strategies to identify aggressive biology in precancerous breast biopsies. <i>WIREs Mechanisms of Disease</i> , <b>2021</b> , 13, e1506	0.3	2
765	Probing single-cell oxygen reserve in sickled erythrocytes via in vivo photoacoustic microscopy. <i>American Journal of Hematology</i> , <b>2021</b> ,	7.1	1
764	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. <i>Nature Protocols</i> , <b>2021</b> , 16, 2381-2394	18.8	4
763	Toward photoswitchable electronic pre-resonance stimulated Raman probes. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 135102	3.9	3
762	Massively parallel functional photoacoustic computed tomography of the human brain. <i>Nature Biomedical Engineering</i> , <b>2021</b> ,	19	21
761	Recent Advances in Photoacoustic Tomography. <i>BME Frontiers</i> , <b>2021</b> , 2021, 1-17	4.4	8
760	Photoacoustic computed tomography for functional human brain imaging [Invited]. <i>Biomedical Optics Express</i> , <b>2021</b> , 12, 4056-4083	3.5	8
759	Perspective on fast-evolving photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2021</b> , 26,	3.5	5
758	Photoacoustic Imaging. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 3233, 147-175	3.6	0
757	Integration of Multitargeted Polymer-Based Contrast Agents with Photoacoustic Computed Tomography: An Imaging Technique to Visualize Breast Cancer Intratumor Heterogeneity. <i>ACS Nano</i> , <b>2021</b> , 15, 2413-2427	16.7	8
756	Real-time observation and control of optical chaos. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
755	Photoacoustic Molecular Imaging: Principles and Practice <b>2021</b> , 233-244		
754	High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. <i>Nature Communications</i> , <b>2021</b> , 12, 882	17.4	19
753	Photoacoustic Computed Tomography of Breast Cancer in Response to Neoadjuvant Chemotherapy. <i>Advanced Science</i> , <b>2021</b> , 8, 2003396	13.6	7
752	Focusing light into scattering media with ultrasound-induced field perturbation. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 159	16.7	0

751	Multiscale Photoacoustic Tomography of a Genetically Encoded Near-Infrared FRET Biosensor. <i>Advanced Science</i> , <b>2021</b> , 8, e2102474	13.6	7
750	NIH Workshop 2018: Towards Minimally Invasive or Noninvasive Approaches to Assess Tissue Oxygenation Pre- and Post-transfusion. <i>Transfusion Medicine Reviews</i> , <b>2021</b> , 35, 46-55	7.4	2
749	Transcranial photoacoustic computed tomography based on a layered back-projection method. <i>Photoacoustics</i> , <b>2020</b> , 20, 100213	9	9
748	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3535-3547	11.7	14
747	Real-time frequency-encoded spatiotemporal focusing through scattering media using a programmable 2D ultrafine optical frequency comb. <i>Science Advances</i> , <b>2020</b> , 6, eaay1192	14.3	18
746	Evolving cervical imaging technologies to predict preterm birth. <i>Seminars in Immunopathology</i> , <b>2020</b> , 42, 385-396	12	2
745	Fighting against fast speckle decorrelation for light focusing inside live tissue by photon frequency shifting. <i>ACS Photonics</i> , <b>2020</b> , 7, 837-844	6.3	3
744	Iterative image reconstruction in transcranial photoacoustic tomography based on the elastic wave equation. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 055009	3.8	10
743	Snapshot Photoacoustic Topography Through an Ergodic Relay for High-throughput Imaging of Optical Absorption. <i>Nature Photonics</i> , <b>2020</b> , 14, 164-170	33.9	35
742	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. <i>Science Advances</i> , <b>2020</b> , 6, eaay6200	14.3	13
741	Single-shot ultrafast imaging attaining 70 trillion frames per second. <i>Nature Communications</i> , <b>2020</b> , 11, 2091	17.4	38
740	Spatio-temporal-spectral imaging of non-repeatable dissipative soliton dynamics. <i>Nature Communications</i> , <b>2020</b> , 11, 2059	17.4	12
739	Transparent High-Frequency Ultrasonic Transducer for Photoacoustic Microscopy Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 1848-1853	3.2	11
738	Single-shot compressed ultrafast photography: a review. <i>Advanced Photonics</i> , <b>2020</b> , 2, 1	8.1	23
737	Label-free imaging of lipid-rich biological tissues by mid-infrared photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25,	3.5	6
736	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients in vivo. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-17	3.5	9
735	Wave of single-impulse-stimulated fast initial dip in single vessels of mouse brains imaged by high-speed functional photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-11	3.5	12
734	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-8	3.5	10

733	Graphics processing unit accelerating compressed sensing photoacoustic computed tomography with total variation. <i>Applied Optics</i> , <b>2020</b> , 59, 712-719	1.7	4
732	Intelligently optimized digital optical phase conjugation with particle swarm optimization. <i>Optics Letters</i> , <b>2020</b> , 45, 431-434	3	7
731	Photoacoustic Tomography of Neural Systems <b>2020</b> , 349-378		2
730	Prospects of Photo- and Thermoacoustic Imaging in Neurosurgery. <i>Neurosurgery</i> , <b>2020</b> , 87, 11-24	3.2	3
729	Single-shot stereo-polarimetric compressed ultrafast photography for light-speed observation of high-dimensional optical transients with picosecond resolution. <i>Nature Communications</i> , <b>2020</b> , 11, 5252	17.4	14
728	Multifocal photoacoustic microscopy using a single-element ultrasonic transducer through an ergodic relay. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 135	16.7	11
727	Harnessing a multi-dimensional fibre laser using genetic wavefront shaping. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 149	16.7	12
726	Single-shot time-reversed optical focusing into and through scattering media. <i>ACS Photonics</i> , <b>2020</b> , 7, 2871-2877	6.3	2
725	EGFR in enterocytes & endothelium and HIF1 $\alpha$ in enterocytes are dispensable for massive small bowel resection induced angiogenesis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0236964	3.7	1
724	High-resolution, high-contrast mid-infrared imaging of fresh biological samples with ultraviolet-localized photoacoustic microscopy. <i>Nature Photonics</i> , <b>2019</b> , 13, 609-615	33.9	90
723	In vivo label-free functional photoacoustic monitoring of ischemic reperfusion. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800454	3.1	20
722	High-throughput, label-free, single-cell photoacoustic microscopy of intratumoral metabolic heterogeneity. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 381-391	19	40
721	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 36	16.7	42
720	Dual-polarization analog optical phase conjugation for focusing light through scattering media. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 231104	3.4	7
719	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines. <i>Science Robotics</i> , <b>2019</b> , 4,	18.6	186
718	Photoacoustic computed tomography of human extremities. <i>Journal of Biomedical Optics</i> , <b>2019</b> , 24, 1-8	3.5	24
717	Dictionary learning sparse-sampling reconstruction method for 3D photoacoustic computed tomography. <i>Biomedical Optics Express</i> , <b>2019</b> , 10, 1660-1677	3.5	6
716	Angular-spectrum modeling of focusing light inside scattering media by optical phase conjugation. <i>Optica</i> , <b>2019</b> , 6, 250-256	8.6	24

715	Physical picture of the optical memory effect. <i>Photonics Research</i> , <b>2019</b> , 7, 1323	6	17
714	In vivo photoacoustic multi-contrast imaging and detection of protein interactions using a small near-infrared photochromic protein <b>2019</b> ,		1
713	Microwave-induced thermoacoustic tomography through an adult human skull. <i>Medical Physics</i> , <b>2019</b> , 46, 1793-1797	4.4	11
712	Focusing light inside live tissue using reversibly switchable bacterial phytochrome as a genetically encoded photochromic guide star. <i>Science Advances</i> , <b>2019</b> , 5, eaay1211	14.3	14
711	Recent progress in photoacoustic molecular imaging. <i>Current Opinion in Chemical Biology</i> , <b>2018</b> , 45, 104-112	11.2	46
710	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700024	3.1	65
709	Correcting the limited view in optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700196	3.1	12
708	Optimizing codes for compressed ultrafast photography by the genetic algorithm. <i>Optica</i> , <b>2018</b> , 5, 147	8.6	19
707	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , <b>2018</b> , 5, 495-501	8.6	14
706	Label-free cell nuclear imaging by Grfeisen relaxation photoacoustic microscopy. <i>Optics Letters</i> , <b>2018</b> , 43, 947-950	3	18
705	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. <i>Nature Communications</i> , <b>2018</b> , 9, 2734	17.4	55
704	Multiscale Photoacoustic Tomography. <i>Optics and Photonics News</i> , <b>2018</b> , 29, 32	1.9	7
703	Compressed 3D Image Information and Communication Security. <i>Advanced Quantum Technologies</i> , <b>2018</b> , 1, 1800034	4.3	2
702	Single-shot real-time femtosecond imaging of temporal focusing. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 42	16.7	57
701	Parameterized joint reconstruction of the initial pressure and sound speed distributions for photoacoustic computed tomography. <i>SIAM Journal on Imaging Sciences</i> , <b>2018</b> , 11, 1560-1588	1.9	22
700	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , <b>2018</b> , 9, 2352	17.4	186
699	Time-reversed ultrasonically encoded optical focusing through highly scattering ex vivo human cataractous lenses. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-4	3.5	5
698	Transvaginal fast-scanning optical-resolution photoacoustic endoscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-4	3.5	18

697	In vivo characterization of connective tissue remodeling using infrared photoacoustic spectra. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-6	3.5	4
696	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-6	3.5	17
695	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 23, 1-7	3.5	6
694	High-speed alignment optimization of digital optical phase conjugation systems based on autocovariance analysis in conjunction with orthonormal rectangular polynomials. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 24, 1-11	3.5	7
693	Clinical photoacoustic computed tomography of the human breast in vivo within a single breath hold <b>2018</b> ,		2
692	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. <i>Optics Letters</i> , <b>2018</b> , 43, 4875-4878	3.4	20
691	Synthetic Bessel light needle for extended depth-of-field microscopy. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 181104	3.4	14
690	Single-shot ultrafast optical imaging. <i>Optica</i> , <b>2018</b> , 5, 1113-1127	8.6	66
689	Large field homogeneous illumination in microwave-induced thermoacoustic tomography based on a quasi-conical spiral antenna. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 123701	3.4	5
688	Compressed ultrafast photography by multi-encoding imaging. <i>Laser Physics Letters</i> , <b>2018</b> , 15, 116202	1.5	13
687	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. <i>Science Advances</i> , <b>2017</b> , 3, e1601814	14.3	57
686	Direct measurement of hypoxia in a xenograft multiple myeloma model by optical-resolution photoacoustic microscopy. <i>Cancer Biology and Therapy</i> , <b>2017</b> , 18, 101-105	4.6	14
685	Suppressing excitation effects in microwave induced thermoacoustic tomography by multi-view Hilbert transformation. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 053701	3.4	17
684	Comparative Effects of Linearly and Circularly Polarized Illumination on Microwave-Induced Thermoacoustic Tomography. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1593-1596	3.8	12
683	Noninvasive Determination of Melanoma Depth using a Handheld Photoacoustic Probe. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 1370-1372	4.3	39
682	Quantitative photoacoustic elastography of Young's modulus in humans <b>2017</b> ,		6
681	Dry coupling for whole-body small-animal photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41017	3.5	11
680	Single-impulse Panoramic Photoacoustic Computed Tomography of Small-animal Whole-body Dynamics at High Spatiotemporal Resolution. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1,	19	218

679	Fast label-free multilayered histology-like imaging of human breast cancer by photoacoustic microscopy. <i>Science Advances</i> , <b>2017</b> , 3, e1602168	14.3	126
678	Early-stage tumor detection using photoacoustic microscopy: a pattern recognition approach <b>2017</b> ,		1
677	Imaging small animal whole-body dynamics by single-impulse panoramic photoacoustic computed tomography <b>2017</b> ,		2
676	Mitigation of artifacts due to isolated acoustic heterogeneities in photoacoustic computed tomography using a variable data truncation-based reconstruction method. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41018	3.5	17
675	Ultrafast imaging of light scattering dynamics using second-generation compressed ultrafast photography <b>2017</b> ,		2
674	Iterative image reconstruction in elastic inhomogenous media with application to transcranial photoacoustic tomography <b>2017</b> ,		2
673	Nanoparticles for Photoacoustic Imaging of Vasculature <b>2017</b> , 337-356		3
672	High-speed photoacoustic microscopy of mouse cortical microhemodynamics. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 792-798	3.1	20
671	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. <i>Nature Communications</i> , <b>2017</b> , 8, 780	17.4	52
670	Label-free high-throughput detection and quantification of circulating melanoma tumor cell clusters by linear-array-based photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41004	3.5	31
669	Handheld optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41002	3.5	40
668	Use of a single xenon flash lamp for photoacoustic computed tomography of multiple-centimeter-thick biological tissue ex vivo and a whole mouse body in vivo. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41003	3.5	10
667	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 76017	3.5	21
666	Homogenizing microwave illumination in thermoacoustic tomography by a linear-to-circular polarizer based on frequency selective surfaces. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 063703	3.4	14
665	High-speed single-shot optical focusing through dynamic scattering media with full-phase wavefront shaping. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 221109	3.4	7
664	Focusing light through scattering media by polarization modulation based generalized digital optical phase conjugation. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 201108	3.4	25
663	A forward-adjoint operator pair based on the elastic wave equation for use in transcranial photoacoustic computed tomography. <i>SIAM Journal on Imaging Sciences</i> , <b>2017</b> , 10, 2022-2048	1.9	19
662	Label-free automated three-dimensional imaging of whole organs by microtomy-assisted photoacoustic microscopy. <i>Nature Communications</i> , <b>2017</b> , 8, 1386	17.4	68



661	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. <i>Scientific Reports</i> , <b>2017</b> , 7, 2560	4.9	39
660	Sub-Nyquist sampling boosts targeted light transport through opaque scattering media. <i>Optica</i> , <b>2017</b> , 4, 97-102	8.6	19
659	Focusing light inside dynamic scattering media with millisecond digital optical phase conjugation. <i>Optica</i> , <b>2017</b> , 4, 280-288	8.6	86
658	Analysis of the potential for non-invasive imaging of oxygenation at heart depth, using ultrasound optical tomography (UOT) or photo-acoustic tomography (PAT). <i>Biomedical Optics Express</i> , <b>2017</b> , 8, 4523-4536	3.5	8
657	Analysis of Spatial Resolution in Photoacoustic Tomography <b>2017</b> , 47-60		1
656	Dark-Field Confocal Photoacoustic Microscopy <b>2017</b> , 267-280		
655	Time Reversal in Photoacoustic or Thermoacoustic Tomography <b>2017</b> , 117-120		1
654	Microwave-Induced Acoustic (Thermoacoustic) Tomography <b>2017</b> , 339-348		1
653	Universal Back-Projection Algorithm for Photoacoustic Tomography <b>2017</b> , 37-46		1
652	Deep-Penetrating Reflection-Mode Photoacoustic Imaging <b>2017</b> , 281-286		
651	Photoacoustic Tomography Based on Ring-Shaped Virtual Point Ultrasonic Detector <b>2017</b> , 201-208		
650	Multiscale Functional and Molecular Photoacoustic Tomography. <i>Ultrasonic Imaging</i> , <b>2016</b> , 38, 44-62	1.9	37
649	Label-free photoacoustic tomography of whole mouse brain structures. <i>Neurophotonics</i> , <b>2016</b> , 3, 035001	3.9	35
648	Focusing light through biological tissue and tissue-mimicking phantoms up to 9.6cm in thickness with digital optical phase conjugation. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 85001	3.5	39
647	Hybridized wavefront shaping for high-speed, high-efficiency focusing through dynamic diffusive media. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 121502	3.5	14
646	Grueneisen relaxation photoacoustic microscopy in vivo. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 66005	3.5	11
645	Compensation for acoustic heterogeneities in photoacoustic computed tomography using a variable temporal data truncation reconstruction method <b>2016</b> ,		1
644	Quantitative photoacoustic elastography in humans. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 66011	3.5	14



643	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. <i>Nature Methods</i> , <b>2016</b> , 13, 67-73	21.6	165
642	A review of snapshot multidimensional optical imaging: measuring photon tags in parallel. <i>Physics Reports</i> , <b>2016</b> , 616, 1-37	27.7	69
641	Bessel beam Grueneisen photoacoustic microscopy with extended depth of field <b>2016</b> ,		1
640	Joint Reconstruction of Absorbed Optical Energy Density and Sound Speed Distributions in Photoacoustic Computed Tomography: A Numerical Investigation. <i>IEEE Transactions on Computational Imaging</i> , <b>2016</b> , 2, 136-149	4.5	20
639	Bit-efficient, sub-millisecond wavefront measurement using a lock-in camera for time-reversal based optical focusing inside scattering media. <i>Optics Letters</i> , <b>2016</b> , 41, 1321-4	3	25
638	Photoacoustic microscopy of arteriovenous shunts and blood diffusion in early-stage tumors. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 20501	3.5	7
637	Photoacoustic elastography. <i>Optics Letters</i> , <b>2016</b> , 41, 725-8	3	29
636	Focusing light through scattering media by full-polarization digital optical phase conjugation. <i>Optics Letters</i> , <b>2016</b> , 41, 1130-3	3	37
635	Seeing Through the Surface: Non-invasive Characterization of Biomaterial-Tissue Interactions Using Photoacoustic Microscopy. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 649-66	4.7	10
634	In vivo photoacoustic tomography of myoglobin oxygen saturation. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 61002	3.5	19
633	Frontiers in Biophotonics for Translational Medicine. <i>Progress in Optical Science and Photonics</i> , <b>2016</b> , ,	0.3	11
632	Translational Photoacoustic Microscopy. <i>Progress in Optical Science and Photonics</i> , <b>2016</b> , 47-73	0.3	1
631	In vivo photoacoustic microscopy of human cuticle microvasculature with single-cell resolution. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 56004	3.5	20
630	Reversibly switchable photoacoustic tomography using a genetically encoded near-infrared phytochrome <b>2016</b> ,		1
629	Cuffing-based photoacoustic flowmetry in humans in the optical diffusive regime. <i>Journal of Biophotonics</i> , <b>2016</b> , 9, 208-12	3.1	7
628	Space- and intensity-constrained reconstruction for compressed ultrafast photography. <i>Optica</i> , <b>2016</b> , 3, 694-697	8.6	38
627	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 39616	4.9	46
626	Lock-in camera based heterodyne holography for ultrasound-modulated optical tomography inside dynamic scattering media. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 231106	3.4	18

625	Photoacoustic Tomography Enhanced by Nanoparticles <b>2016</b> , 1-14		1
624	Tutorial on photoacoustic tomography. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 61007	3.5	188
623	High-speed, sparse-sampling three-dimensional photoacoustic computed tomography in vivo based on principal component analysis. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 76007	3.5	13
622	A practical guide to photoacoustic tomography in the life sciences. <i>Nature Methods</i> , <b>2016</b> , 13, 627-38	21.6	620
621	Photoacoustically guided wavefront shaping for enhanced optical focusing in scattering media. <i>Nature Photonics</i> , <b>2015</b> , 9, 126-132	33.9	188
620	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed in vivo. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 961-967	3.1	43
619	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 066010	3.5	53
618	Noninvasive photoacoustic microscopy of methemoglobin in vivo. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 036007	3.5	11
617	In vivo deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 016019	3.5	36
616	Photo-imprint super-resolution photoacoustic microscopy <b>2015</b> ,		2
615	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , <b>2015</b> , 12, 407-10	21.6	413
614	Optical-resolution photoacoustic endomicroscopy in vivo. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 918-32	3.5	58
613	Ultrasonic-heating-encoded photoacoustic tomography with virtually augmented detection view. <i>Optica</i> , <b>2015</b> , 2, 307-312	8.6	21
612	Nonlinear photoacoustic spectroscopy of hemoglobin. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 203701	3.4	21
611	Photoacoustic tomography imaging and estimation of oxygen saturation of hemoglobin in ocular tissue of rabbits. <i>Experimental Eye Research</i> , <b>2015</b> , 138, 153-8	3.7	34
610	Isotropic-resolution linear-array-based photoacoustic computed tomography through inverse Radon transform <b>2015</b> ,		1
609	In vivo photoacoustic flowmetry at depths of the diffusive regime based on saline injection. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 87001	3.5	2
608	Bessel-beam Grueneisen relaxation photoacoustic microscopy with extended depth of field. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 116002	3.5	27

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596	In vivo deep brain imaging of rats using oral-cavity illuminated photoacoustic computed tomography <b>2015</b> ,		1
595	Optical-resolution photoacoustic microscopy of the metabolic rate of oxygen in a mouse renal tumor model <b>2015</b> ,		3
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564	Simultaneous reconstruction of absorbed optical energy density and speed of sound distributions in photoacoustic computed tomography <b>2014</b> ,		1
563	Mouse brain imaging using photoacoustic computed tomography <b>2014</b> ,		1
562	Photoacoustic microscopy of a three-dimensional arbitrary trajectory <b>2014</b> ,		3
561	Cross-optical-beam nonlinear photoacoustic microscopy <b>2014</b> ,		3
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403	Time-reversed ultrasonically encoded (TRUE) optical focusing in reflection mode: demonstrations in tissue mimicking phantoms and ex vivo tissue <b>2012</b> ,		1
402	Vessel segmentation analysis of ischemic stroke images acquired with photoacoustic microscopy <b>2012</b> ,		7
401	Temperature mapping using photoacoustic and thermoacoustic tomography <b>2012</b> ,		6
400	The study of quantitative optical absorption imaging by using Monte Carlo simulation of combined photoacoustic tomography and ultrasound-modulated optical tomography <b>2012</b> ,		1
399	In vivo imaging of cell nuclei by photoacoustic microscopy without staining <b>2012</b> ,		1
398	Wide range quantitative photoacoustic spectroscopy to measure non-linear optical absorption of hemoglobin <b>2012</b> ,		1
397	Toward dual-wavelength functional photoacoustic endoscopy: laser and peripheral optical systems development <b>2012</b> ,		5
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378	In vivo multiscale photoacoustic microscopy of human skin <b>2011</b> ,		7
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