

Lei Li

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,834
citations

304368

22
h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

2685
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , 2015, 12, 407-410.	9.0	555
2	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	334
3	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines in vivo. <i>Science Robotics</i> , 2019, 4, .	9.9	321
4	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	5.8	290
5	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
6	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
7	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
8	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
9	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
10	Fully motorized optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2014, 39, 2117.	1.7	69
11	In vivo label-free photoacoustic flow cytography and on-the-spot laser killing of single circulating melanoma cells. <i>Scientific Reports</i> , 2016, 6, 39616.	1.6	69
12	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	68
13	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. <i>Light: Science and Applications</i> , 2019, 8, 36.	7.7	67
14	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. <i>Scientific Reports</i> , 2017, 7, 2560.	1.6	50
15	Label-free photoacoustic tomography of whole mouse brain structures ex vivo. <i>Neurophotonics</i> , 2016, 3, 1.	1.7	47
16	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 076017.	1.4	34
17	Recent Advances in Photoacoustic Tomography. <i>BME Frontiers</i> , 2021, 2021, .	2.2	34
18	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3535-3547.	5.4	32

#	ARTICLE	IF	CITATIONS
19	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , 2018, 5, 495.	4.8	29
20	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
21	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
22	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	26
23	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
24	Dry coupling for whole-body small-animal photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	1.4	17
25	Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. <i>Neurophotonics</i> , 2022, 9, 013001.	1.7	17
26	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
27	Correcting the limited view in optical-resolution photoacoustic microscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700196.	1.1	15
28	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
29	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. <i>Nature Protocols</i> , 2021, 16, 2381-2394.	5.5	12
30	Multiscale Photoacoustic Tomography of a Genetically Encoded Near-Infrared FRET Biosensor. <i>Advanced Science</i> , 2021, 8, e2102474.	5.6	12
31	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
32	Multiscale Photoacoustic Tomography. <i>Optics and Photonics News</i> , 2018, 29, 32.	0.4	8
33	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
34	Photoacoustic Tomography of Neural Systems. , 2020, , 349-378.		7
35	Multiscale photoacoustic tomography of a genetically encoded near-infrared FRET biosensor. , 2022, , .		0
36	Integration of photoacoustic computed tomography with multitargeted polymer-based nanoparticles visualizes breast cancer intratumor heterogeneity. , 2022, , .		0