

Lei Li

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,834
citations

304743

22
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

2685
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale photoacoustic tomography of a genetically encoded near-infrared FRET biosensor. , 2022, , .		0
2	Integration of photoacoustic computed tomography with multitargeted polymer-based nanoparticles visualizes breast cancer intratumor heterogeneity. , 2022, , .		0
3	Neurophotonic Tools for Microscopic Measurements and Manipulation: Status Report. Neurophotonics, 2022, 9, 013001.	3.3	17
4	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
5	Snapshot photoacoustic topography through an ergodic relay of optical absorption in vivo. Nature Protocols, 2021, 16, 2381-2394.	12.0	12
6	Recent Advances in Photoacoustic Tomography. BME Frontiers, 2021, 2021, .	4.5	34
7	Multiscale Photoacoustic Tomography of a Genetically Encoded Near-Infrared FRET Biosensor. Advanced Science, 2021, 8, e2102474.	11.2	12
8	Spatiotemporal Antialiasing in Photoacoustic Computed Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 3535-3547.	8.9	32
9	Fighting against Fast Speckle Decorrelation for Light Focusing inside Live Tissue by Photon Frequency Shifting. ACS Photonics, 2020, 7, 837-844.	6.6	11
10	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. Nature Photonics, 2020, 14, 164-170.	31.4	70
11	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. Journal of Biomedical Optics, 2020, 25, 1.	2.6	14
12	Photoacoustic Tomography of Neural Systems. , 2020, , 349-378.		7
13	A microrobotic system guided by photoacoustic computed tomography for targeted navigation in intestines in vivo. Science Robotics, 2019, 4, .	17.6	321
14	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
15	In vivo superresolution photoacoustic computed tomography by localization of single dyed droplets. Light: Science and Applications, 2019, 8, 36.	16.6	67
16	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
17	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography in vivo. Journal of Biophotonics, 2018, 11, e201700024.	2.3	86
18	Correcting the limited view in optical-resolution photoacoustic microscopy. Journal of Biophotonics, 2018, 11, e201700196.	2.3	15

#	ARTICLE	IF	CITATIONS
19	Dichroism-sensitive photoacoustic computed tomography. <i>Optica</i> , 2018, 5, 495.	9.3	29
20	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. <i>Nature Communications</i> , 2018, 9, 2734.	12.8	77
21	Multiscale Photoacoustic Tomography. <i>Optics and Photonics News</i> , 2018, 29, 32.	0.5	8
22	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.	2.2	28
23	Single-breath-hold photoacoustic computed tomography of the breast. <i>Nature Communications</i> , 2018, 9, 2352.	12.8	290
24	High-throughput ultraviolet photoacoustic microscopy with multifocal excitation. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	26
25	Dual-axis illumination for virtually augmenting the detection view of optical-resolution photoacoustic microscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	8
26	Dry coupling for whole-body small-animal photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	17
27	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	334
28	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.	2.6	21
29	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 076017.	2.6	34
30	Photoacoustic imaging of voltage responses beyond the optical diffusion limit. <i>Scientific Reports</i> , 2017, 7, 2560.	3.3	50
31	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.	3.3	69
32	Label-free photoacoustic tomography of whole mouse brain structures ex vivo. <i>Neurophotonics</i> , 2016, 3, 1.	3.3	47
33	Multiscale photoacoustic tomography using reversibly switchable bacterial phytochrome as a near-infrared photochromic probe. <i>Nature Methods</i> , 2016, 13, 67-73.	19.0	206
34	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	68
35	High-speed label-free functional photoacoustic microscopy of mouse brain in action. <i>Nature Methods</i> , 2015, 12, 407-410.	19.0	555
36	Fully motorized optical-resolution photoacoustic microscopy. <i>Optics Letters</i> , 2014, 39, 2117.	3.3	69