

Liren Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,245
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. <i>Science Advances</i> , 2017, 3, e1601814.	10.3	101
3	Single-shot real-time femtosecond imaging of temporal focusing. <i>Light: Science and Applications</i> , 2018, 7, 42.	16.6	100
4	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.	2.3	86
5	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions <i>in vivo</i> . <i>Nature Communications</i> , 2018, 9, 2734.	12.8	77
6	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. <i>Nature Photonics</i> , 2020, 14, 164-170.	31.4	70
7	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
8	Space- and intensity-constrained reconstruction for compressed ultrafast photography. <i>Optica</i> , 2016, 3, 694.	9.3	57
9	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed <i>in vivo</i> . <i>Journal of Biophotonics</i> , 2015, 8, 961-967.	2.3	55
10	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.	12.8	49
11	Multiview optical resolution photoacoustic microscopy. <i>Optica</i> , 2014, 1, 217.	9.3	40
12	Urogenital photoacoustic endoscope. <i>Optics Letters</i> , 2014, 39, 1473.	3.3	38
13	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. <i>Journal of Biomedical Optics</i> , 2017, 22, 076017.	2.6	34
14	A Constrained Variable Projection Reconstruction Method for Photoacoustic Computed Tomography Without Accurate Knowledge of Transducer Responses. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2443-2458.	8.9	32
15	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. <i>Science Advances</i> , 2020, 6, eaay6200.	10.3	29
16	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. <i>Optics Letters</i> , 2018, 43, 4875.	3.3	25
17	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	22
18	Photoacoustic topography through an ergodic relay for functional imaging and biometric application <i>in vivo</i> . <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Nonlinear light-sheet fluorescence microscopy by photobleaching imprinting. Journal of the Royal Society Interface, 2014, 11, 20130851.	3.4	11
20	Cross-optical-beam nonlinear photoacoustic microscopy. Proceedings of SPIE, 2014, , .	0.8	3
21	Single-shot 5D imaging at 100 billion frames per second using stereo-polarimetric compressed ultrafast photography. , 2021, , .		0