

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-shot 5D imaging at 100 billion frames per second using stereo-polarimetric compressed ultrafast photography. , 2021, , .		0
2	Single-shot stereo-polarimetric compressed ultrafast photography for light-speed observation of high-dimensional optical transients with picosecond resolution. Nature Communications, 2020, 11, 5252.	12.8	49
3	Snapshot photoacoustic topography through an ergodic relay for high-throughput imaging of optical absorption. Nature Photonics, 2020, 14, 164-170.	31.4	70
4	Picosecond-resolution phase-sensitive imaging of transparent objects in a single shot. Science Advances, 2020, 6, eaay6200.	10.3	29
5	Label-free high-throughput photoacoustic tomography of suspected circulating melanoma tumor cells in patients in vivo. Journal of Biomedical Optics, 2020, 25, 1.	2.6	22
6	Photoacoustic topography through an ergodic relay for functional imaging and biometric application in vivo. Journal of Biomedical Optics, 2020, 25, 1.	2.6	14
7	High-resolution deep functional imaging of the whole mouse brain by photoacoustic computed tomography <i>in vivo</i> . Journal of Biophotonics, 2018, 11, e201700024.	2.3	86
8	Small near-infrared photochromic protein for photoacoustic multi-contrast imaging and detection of protein interactions in vivo. Nature Communications, 2018, 9, 2734.	12.8	77
9	Single-shot real-time femtosecond imaging of temporal focusing. Light: Science and Applications, 2018, 7, 42.	16.6	100
10	Dual-view photoacoustic microscopy for quantitative cell nuclear imaging. Optics Letters, 2018, 43, 4875.	3.3	25
11	Single-shot real-time video recording of a photonic Mach cone induced by a scattered light pulse. Science Advances, 2017, 3, e1601814.	10.3	101
12	Single-impulse panoramic photoacoustic computed tomography of small-animal whole-body dynamics at high spatiotemporal resolution. Nature Biomedical Engineering, 2017, 1, .	22.5	334
13	Multiview Hilbert transformation in full-ring transducer array-based photoacoustic computed tomography. Journal of Biomedical Optics, 2017, 22, 076017.	2.6	34
14	Space- and intensity-constrained reconstruction for compressed ultrafast photography. Optica, 2016, 3, 694.	9.3	57
15	A Constrained Variable Projection Reconstruction Method for Photoacoustic Computed Tomography Without Accurate Knowledge of Transducer Responses. IEEE Transactions on Medical Imaging, 2015, 34, 2443-2458.	8.9	32
16	Handheld photoacoustic probe to detect both melanoma depth and volume at high speed <i>in vivo</i> . Journal of Biophotonics, 2015, 8, 961-967.	2.3	55
17	Multiview Hilbert transformation for full-view photoacoustic computed tomography using a linear array. Journal of Biomedical Optics, 2015, 20, 1.	2.6	68
18	Multiview optical resolution photoacoustic microscopy. Optica, 2014, 1, 217.	9.3	40

#	ARTICLE	IF	CITATIONS
19	Cross-optical-beam nonlinear photoacoustic microscopy. Proceedings of SPIE, 2014, , .	0.8	3
20	Nonlinear light-sheet fluorescence microscopy by photobleaching imprinting. Journal of the Royal Society Interface, 2014, 11, 20130851.	3.4	11
21	Urogenital photoacoustic endoscope. Optics Letters, 2014, 39, 1473.	3.3	38