

Lei Gong

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,034
citations

471509

17
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

998
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning-enabled recovering scattered data from twisted light transmitted through a long standard multimode fiber. Applied Physics Letters, 2022, 120, .	3.3	14
2	Motionless synthesis and scanning of lattice light sheets with a single digital micromirror device. Applied Physics Letters, 2022, 120, 211106.	3.3	0
3	Direct binary search method for high-resolution holographic image projection. Optics Express, 2022, 30, 26856.	3.4	2
4	Light field imaging through a single multimode fiber for OAM-multiplexed data transmission. Applied Physics Letters, 2020, 116, .	3.3	27
5	Trapping and Manipulation of Single Cells in Crowded Environments. Frontiers in Bioengineering and Biotechnology, 2020, 8, 422.	4.1	31
6	Interplay between Spin and Orbital Angular Momenta in Tightly Focused Higher-Order Poincaré Sphere Beams. Annalen Der Physik, 2020, 532, 2000110.	2.4	15
7	Reducing photodamage in optical trapping of individual cells in living zebrafish. Applied Physics Express, 2020, 13, 032008.	2.4	7
8	Single-pixel spiral phase contrast imaging. Optics Letters, 2020, 45, 4028.	3.3	18
9	Exploiting light field imaging through scattering media for optical encryption. OSA Continuum, 2020, 3, 2968.	1.8	10
10	Bat algorithm-enabled binary optimization for scattered light focusing. Applied Physics Express, 2019, 12, 102002.	2.4	8
11	Vector focusing through highly scattering media via binary amplitude modulation. Applied Physics Express, 2019, 12, 062002.	2.4	4
12	Optical orbital-angular-momentum-multiplexed data transmission under high scattering. Light: Science and Applications, 2019, 8, 27.	16.6	169
13	Single-pixel phase imaging by Fourier spectrum sampling. Applied Physics Letters, 2019, 114, .	3.3	30
14	Nonparaxial structured vectorial abruptly autofocusing beam. Optics Letters, 2019, 44, 2843.	3.3	9
15	Harnessing Laguerre-Gaussian Beams to Construct Quasi-Nondiffracting Optical Ring Lattices. IEEE Photonics Journal, 2018, 10, 1-7.	2.0	5
16	3D focusing through highly scattering media using PSF modulation. Applied Physics Letters, 2018, 113, .	3.3	15
17	Synthetic Bessel light needle for extended depth-of-field microscopy. Applied Physics Letters, 2018, 113, 181104.	3.3	17
18	Tailoring arbitrary polarization states of light through scattering media. Applied Physics Letters, 2018, 113, .	3.3	22

#	ARTICLE	IF	CITATIONS
19	Dynamic shaping of orbital-angular-momentum beams for information encoding. Optics Express, 2018, 26, 1796.	3.4	41
20	Orbit-induced localized spin angular momentum in the tight focusing of linearly polarized vortex beams. Optics Letters, 2018, 43, 5677.	3.3	36
21	Motionless volumetric photoacoustic microscopy with spatially invariant resolution. Nature Communications, 2017, 8, 780.	12.8	68
22	Controllable light capsules employing modified Bessel-Gauss beams. Scientific Reports, 2016, 6, 29001.	3.3	14
23	Quantitative photoacoustic elastography in humans. Journal of Biomedical Optics, 2016, 21, 066011.	2.6	26
24	Tailoring light with a digital micromirror device. Annalen Der Physik, 2015, 527, 447-470.	2.4	145
25	Shaping symmetric Airy beam through binary amplitude modulation for ultralong needle focus. Journal of Applied Physics, 2015, 118, .	2.5	35
26	Shaping diffraction-free Lommel beams with digital binary amplitude masks. Applied Optics, 2015, 54, 7553.	2.1	25
27	Observation of the asymmetric Bessel beams with arbitrary orientation using a digital micromirror device. Optics Express, 2014, 22, 26763.	3.4	38
28	Generation of cylindrically polarized vector vortex beams with digital micromirror device. Journal of Applied Physics, 2014, 116, .	2.5	66
29	Optical trapping of core-shell magnetic microparticles by cylindrical vector beams. Applied Physics Letters, 2014, 105, .	3.3	39
30	Optical trapping of red blood cells in living animals with a water immersion objective. Optics Letters, 2013, 38, 5134.	3.3	34
31	Generation of nondiffracting Bessel beam using digital micromirror device. Applied Optics, 2013, 52, 4566.	1.8	64