Yansheng Liang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4100734/publications.pdf

Version: 2024-02-01

29	611	567281 15	610901 24
papers	citations	h-index	g-index

29	29	29	521
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orbit-induced localized spin angular momentum in strong focusing of optical vectorial vortex beams. Physical Review A, 2018, 97, .	2.5	55
2	Transverse spinning of particles in highly focused vector vortex beams. Physical Review A, 2017, 95, .	2.5	52
3	Rotating of low-refractive-index microparticles with a quasi-perfect optical vortex. Applied Optics, 2018, 57, 79.	1.8	47
4	Optical sorting of small chiral particles by tightly focused vector beams. Physical Review A, 2019, 99, .	2.5	42
5	Spinning and orbiting motion of particles in vortex beams with circular or radial polarizations. Optics Express, 2016, 24, 20604.	3.4	41
6	Simultaneous optical trapping and imaging in the axial plane: a review of current progress. Reports on Progress in Physics, 2020, 83, 032401.	20.1	41
7	Generation of a double-ring perfect optical vortex by the Fourier transform of azimuthally polarized Bessel beams. Optics Letters, 2019, 44, 1504.	3.3	37
8	Single shot, three-dimensional fluorescence microscopy with a spatially rotating point spread function. Biomedical Optics Express, 2017, 8, 5493.	2.9	33
9	Aberration correction in holographic optical tweezers using a high-order optical vortex. Applied Optics, 2018, 57, 3618.	1.8	31
10	Rapid tilted-plane Gerchberg-Saxton algorithm for holographic optical tweezers. Optics Express, 2020, 28, 12729.	3.4	30
11	Compact multi-band fluorescent microscope with an electrically tunable lens for autofocusing. Biomedical Optics Express, 2015, 6, 4353.	2.9	29
12	Optically induced rotation of Rayleigh particles by vortex beams with different states of polarization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 311-315.	2.1	29
13	Optical trapping force and torque on spheroidal Rayleigh particles with arbitrary spatial orientations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1341.	1.5	28
14	Real-time optical manipulation of particles through turbid media. Optics Express, 2019, 27, 4858.	3.4	22
15	Interleaved segment correction achieves higher improvement factors in using genetic algorithm to optimize light focusing through scattering media. Journal of Optics (United Kingdom), 2017, 19, 105602.	2.2	17
16	Spinning of particles in optical double-vortex beams. Journal of Optics (United Kingdom), 2018, 20, 025401.	2.2	13
17	Spin momentum-dependent orbital motion. New Journal of Physics, 2020, 22, 053009.	2.9	9
18	Generation of cylindrical vector beams based on common-path interferometer with a vortex phase plate. Optical Engineering, 2016, 55, 046117.	1.0	8

#	Article	IF	Citations
19	Direct observation and characterization of optical guiding of microparticles by tightly focused non-diffracting beams. Optics Express, 2019, 27, 37975.	3.4	8
20	Hybrid multifocal structured illumination microscopy with enhanced lateral resolution and axial localization capability. Biomedical Optics Express, 2020, 11, 3058.	2.9	7
21	Zero-order-free complex beam shaping. Optics and Lasers in Engineering, 2022, 155, 107048.	3.8	7
22	Aberration correction method based on double-helix point spread function. Journal of Biomedical Optics, 2018, 24, 1.	2.6	6
23	Three-dimensional characterization of tightly focused fields for various polarization incident beams. Review of Scientific Instruments, 2017, 88, 063106.	1.3	5
24	Off-axis optical levitation and transverse spinning of metallic microparticles. Photonics Research, 2021, 9, 2144.	7.0	5
25	Polarization-sensitive diffractive optical elements fabricated in BR films with femtosecond laser. Applied Physics B: Lasers and Optics, 2014, 115, 365-369.	2.2	4
26	Single-beam phase retrieval with partially coherent light illumination. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.2	2
27	Aberration correction in holographic optical tweezers using a high-order optical vortex: publisherâ€™s note. Applied Optics, 2018, 57, 4857.	1.8	1
28	Direct calculation of tightly focused field in an arbitrary plane. Optics Communications, 2019, 450, 329-334.	2.1	1
29	Determining the Phase Gradient Parameter of Three-Dimensional Polymorphic Beams. Frontiers in Physics, 2022, 10, .	2.1	1