Yansheng Liang

List of Publications by Year
in descending order

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

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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	Zero-order-free complex beam shaping. Optics and Lasers in Engineering, 2022, 155, 107048.	3.8	7
2	Determining the Phase Gradient Parameter of Three-Dimensional Polymorphic Beams. Frontiers in Physics, 2022, 10, .	2.1	1
3	Off-axis optical levitation and transverse spinning of metallic microparticles. Photonics Research, 2021, 9, 2144.	7.0	5
4	Spin momentum-dependent orbital motion. New Journal of Physics, 2020, 22, 053009.	2.9	9
5	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
6	Rapid tilted-plane Gerchberg-Saxton algorithm for holographic optical tweezers. Optics Express, 2020, 28, 12729.	3.4	30
7	Hybrid multifocal structured illumination microscopy with enhanced lateral resolution and axial localization capability. Biomedical Optics Express, 2020, 11, 3058.	2.9	7
8	Direct calculation of tightly focused field in an arbitrary plane. Optics Communications, 2019, 450, 329-334.	2.1	1
9	Optical sorting of small chiral particles by tightly focused vector beams. Physical Review A, 2019, 99, .	2.5	42
10	Real-time optical manipulation of particles through turbid media. Optics Express, 2019, 27, 4858.	3.4	22
11	Direct observation and characterization of optical guiding of microparticles by tightly focused non-diffracting beams. Optics Express, 2019, 27, 37975.	3.4	8
12	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
13	Spinning of particles in optical double-vortex beams. Journal of Optics (United Kingdom), 2018, 20, 025401.	2.2	13
14	Rotating of low-refractive-index microparticles with a quasi-perfect optical vortex. Applied Optics, 2018, 57, 79.	1.8	47
15	Orbit-induced localized spin angular momentum in strong focusing of optical vectorial vortex beams. Physical Review A, 2018, 97, .	2.5	55
16	Aberration correction in holographic optical tweezers using a high-order optical vortex. Applied Optics, 2018, 57, 3618.	1.8	31
17	Aberration correction in holographic optical tweezers using a high-order optical vortex: publisherâ€™s note. Applied Optics, 2018, 57, 4857.	1.8	1
18	Aberration correction method based on double-helix point spread function. Journal of Biomedical Optics, 2018, 24, 1.	2.6	6

#	ARTICLE	IF	CITATIONS
19	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
20	Transverse spinning of particles in highly focused vector vortex beams. Physical Review A, 2017, 95, .	2.5	52
21	Three-dimensional characterization of tightly focused fields for various polarization incident beams. Review of Scientific Instruments, 2017, 88, 063106.	1.3	5
22	Single shot, three-dimensional fluorescence microscopy with a spatially rotating point spread function. Biomedical Optics Express, 2017, 8, 5493.	2.9	33
23	Spinning and orbiting motion of particles in vortex beams with circular or radial polarizations. Optics Express, 2016, 24, 20604.	3.4	41
24	Generation of cylindrical vector beams based on common-path interferometer with a vortex phase plate. Optical Engineering, 2016, 55, 046117.	1.0	8
25	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
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	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
28	Compact multi-band fluorescent microscope with an electrically tunable lens for autofocusing. Biomedical Optics Express, 2015, 6, 4353.	2.9	29
29	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