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List of Publications by Year in descending order

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18
papers

931
citations

567281

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888059

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18
docs citations

18
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature laser-stimulated controllable generation of micro-bubbles in a water suspension of absorptive colloid particles. Optics Express, 2018, 26, 13995.	3.4	29
2	Controllable generation and manipulation of micro-bubbles in water with absorptive colloid particles by CW laser radiation. Optics Express, 2017, 25, 5232.	3.4	56
3	Measurement of small light absorption in microparticles by means of optically induced rotation. Optics Express, 2015, 23, 7152.	3.4	56
4	Self-action of continuous laser radiation and Pearcey diffraction in a water suspension with light-absorbing particles. Optics Express, 2014, 22, 2267.	3.4	60
5	Subwavelength particles in an inhomogeneous light field: optical forces associated with the spin and orbital energy flows. Journal of Optics (United Kingdom), 2013, 15, 044004.	2.2	89
6	Self-diffraction of continuous laser radiation in a disperse medium with absorbing particles. Optics Express, 2013, 21, 8922.	3.4	84
7	Orbital rotation without orbital angular momentum: mechanical action of the spin part of the internal energy flow in light beams. Optics Express, 2012, 20, 3563.	3.4	116
8	Circular motion of particles suspended in a Gaussian beam with circular polarization validates the spin part of the internal energy flow. Optics Express, 2012, 20, 11351.	3.4	83
9	Scattering of inhomogeneous circularly polarized optical field and mechanical manifestation of the internal energy flows. Physical Review A, 2012, 86, .	2.5	56
10	Mechanical Action of Inhomogeneously Polarized Optical Fields and Detection of the Internal Energy Flows. Advances in Optical Technologies, 2011, 2011, 1-11.	0.8	29
11	Oblique section of a paraxial light beam: criteria for azimuthal energy flow and orbital angular momentum. Journal of Optics, 2009, 11, 094003.	1.5	38
12	Centrifugal transformation of the transverse structure of freely propagating paraxial light beams. Optics Letters, 2006, 31, 694.	3.3	20
13	Description of the morphology of optical vortices using the orbital angular momentum and its components. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 100, 910-915.	0.6	13
14	An optical vortex as a rotating body: mechanical features of a singular light beam. Journal of Optics, 2004, 6, S170-S174.	1.5	31
15	Manifestation of the rotational Doppler effect by use of an off-axis optical vortex beam. Optics Letters, 2003, 28, 1185.	3.3	62
16	Optical vortex symmetry breakdown and decomposition of the orbital angular momentum of light beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1635.	1.5	97
17	Manifestation of mechanical properties of light waves in vortex beam optical systems. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2000, 88, 904-910.	0.6	9
18	Correlation Optics, Coherence and Optical Singularities: Basic Concepts and Practical Applications. Frontiers in Physics, 0, 10, .	2.1	3