

Aleksey Chernykh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7801942/publications.pdf>

Version: 2024-02-01

13
papers

89
citations

1478505

6
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

47
citing authors

#	ARTICLE	IF	CITATIONS
1	Singular skeleton evolution and topological reactions in edge-diffracted circular optical-vortex beams. Optics Communications, 2017, 397, 72-83.	2.1	21
2	Localization and migration of phase singularities in the edge-diffracted optical-vortex beams. Journal of Optics (United Kingdom), 2016, 18, 024011.	2.2	12
3	Displacements and evolution of optical vortices in edge-diffracted Laguerre-Gaussian beams. Journal of Optics (United Kingdom), 2017, 19, 055605.	2.2	9
4	Singular skeleton of a Laguerre-Gaussian beam transformed by the double-phase-ramp converter. Applied Optics, 2017, 56, 3428.	2.1	9
5	Chain of optical vortices synthesized by a Gaussian beam and the double-phase-ramp converter. OSA Continuum, 2019, 2, 320.	1.8	8
6	Edge diffraction of optical-vortex beams formed by means of the fork hologram. Proceedings of SPIE, 2015, , .	0.8	6
7	Properties of an Axial Optical Vortex Generated with the Use of a Gaussian Beam and Two Ramps. Journal of Nanoscience and Nanotechnology, 2016, 16, 2105-2107.	0.9	6
8	Formation of an optical field with regular singular-skeleton structure by the double-phase-ramp converter. Journal of Optics (United Kingdom), 2020, 22, 025603.	2.2	6
9	Optimal parameters of a shearing interferometer with a singular light source. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2012, 79, 9.	0.4	4
10	Evolution of the phase singularities in edge-diffracted optical-vortex beams. , 2016, , .		3
11	Controllable singular skeleton formation by means of the Kummer optical-vortex diffraction at a rectilinear phase step. Journal of Optics (United Kingdom), 2021, 23, 034002.	2.2	3
12	Experimental realization of an axial optical vortex beam synthesis using a Gaussian beam and two ramps from a spatial light modulator. Proceedings of SPIE, 2013, , .	0.8	1
13	Laguerre-Gaussian beam transformations by the double-phase-ramp converter: singular skeleton formation and its sensitivity to small misalignments. , 2018, , .		1