

Aleksey Chernykh

List of Publications by Year in descending order

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docs citations

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47
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Chain of optical vortices synthesized by a Gaussian beam and the double-phase-ramp converter. OSA Continuum, 2019, 2, 320.	1.8	8
4	Laguerre-Gaussian beam transformations by the double-phase-ramp converter: singular skeleton formation and its sensitivity to small misalignments. , 2018, , .		1
5	Displacements and evolution of optical vortices in edge-diffracted Laguerre-Gaussian beams. Journal of Optics (United Kingdom), 2017, 19, 055605.	2.2	9
6	Singular skeleton evolution and topological reactions in edge-diffracted circular optical-vortex beams. Optics Communications, 2017, 397, 72-83.	2.1	21
7	Singular skeleton of a Laguerre-Gaussian beam transformed by the double-phase-ramp converter. Applied Optics, 2017, 56, 3428.	2.1	9
8	Evolution of the phase singularities in edge-diffracted optical-vortex beams. , 2016, , .		3
9	Localization and migration of phase singularities in the edge-diffracted optical-vortex beams. Journal of Optics (United Kingdom), 2016, 18, 024011.	2.2	12
10	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
11	Edge diffraction of optical-vortex beams formed by means of the fork hologram. Proceedings of SPIE, 2015, , .	0.8	6
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	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