

Yana V Izdebskaya

List of Publications by Year in descending order

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47
papers

1,488
citations

331670

21
h-index

361022

35
g-index

48
all docs

48
docs citations

48
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant Optical Manipulation. Physical Review Letters, 2010, 105, 118103.	7.8	261
2	Spatially engineered polarization states and optical vortices in uniaxial crystals. Optics Express, 2010, 18, 10848.	3.4	134
3	Dynamics of optical spin-orbit coupling in uniaxial crystals. Optics Letters, 2009, 34, 1021.	3.3	119
4	Selective trapping of multiple particles by volume speckle field. Optics Express, 2010, 18, 3137.	3.4	104
5	Stable vortex soliton in nonlocal media with orientational nonlinearity. Optics Letters, 2018, 43, 66.	3.3	64
6	Generation of higher-order optical vortices by a dielectric wedge. Optics Letters, 2005, 30, 2472.	3.3	59
7	Self-Induced Mode Transformation in Nonlocal Nonlinear Media. Physical Review Letters, 2013, 111, 123902.	7.8	51
8	Dipole azimuthons and vortex charge flipping in nematic liquid crystals. Optics Express, 2011, 19, 21457.	3.4	49
9	Optical vortex beams for trapping and transport of particles in air. Applied Physics A: Materials Science and Processing, 2010, 100, 327-331.	2.3	46
10	Counterpropagating nematicons in bias-free liquid crystals. Optics Express, 2010, 18, 3258.	3.4	40
11	Soliton bending and routing induced by interaction with curved surfaces in nematic liquid crystals. Optics Letters, 2010, 35, 1692.	3.3	40
12	Observation of stable-vector vortex solitons. Optics Letters, 2015, 40, 4182.	3.3	40
13	Generation of optical bottle beams by incoherent white-light vortices. Optics Express, 2008, 16, 20902.	3.4	36
14	Multimode nematicon waveguides. Optics Letters, 2011, 36, 184.	3.3	35
15	Observation of vector solitons with hidden vorticity. Optics Letters, 2012, 37, 767.	3.3	35
16	Magnetic routing of light-induced waveguides. Nature Communications, 2017, 8, 14452.	12.8	35
17	Vortex stabilization by means of spatial solitons in nonlocal media. Journal of Optics (United Kingdom), 2017, 19, 1700001.	2.2	33
18	The formation of optical vortices in the course of light diffraction on a dielectric wedge. Technical Physics Letters, 2002, 28, 256-259.	0.7	31

#	ARTICLE	IF	CITATIONS
19	Symmetric array of off-axis singular beams: spiral beams and their critical points. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 171.	1.5	28
20	Vortex-bearing array of singular beams with very high orbital angular momentum. Optics Letters, 2006, 31, 2523.	3.3	25
21	Focusing of wedge-generated higher-order optical vortices. Optics Letters, 2005, 30, 2530.	3.3	22
22	Dynamics of linear polarization conversion in uniaxial crystals. Optics Express, 2009, 17, 18196.	3.4	21
23	All-optical switching of a signal by a pair of interacting nematicons. Optics Express, 2012, 20, 24701.	3.4	21
24	Anomalous interaction of spatial solitons in nematic liquid crystals. Optics Letters, 2019, 44, 267.	3.3	21
25	Formation and stability of vortex solitons in nematic liquid crystals. Optics Letters, 2021, 46, 62.	3.3	19
26	Deflection of nematicons through interaction with dielectric particles. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1432.	2.1	18
27	Incoherent interaction of nematicons in bias-free liquid-crystal cells. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	17
28	Routing of spatial solitons by interaction with rod microelectrodes. Optics Letters, 2014, 39, 1681.	3.3	15
29	Nonlinear propagation and quasi self-confinement of light in plasmonic resonant media. Optics Express, 2018, 26, 23196.	3.4	14
30	Dynamics of three-Airy beams carrying optical vortices. Applied Optics, 2014, 53, B248.	1.8	12
31	<title>Optical vortex generation by optical wedge</title>. , 2002, 4607, 78.		11
32	Magnetic tuning of liquid crystal dielectric metasurfaces. Nanophotonics, 2022, 11, 3895-3900.	6.0	8
33	Magnetically controlled negative refraction of solitons in liquid crystals. Applied Physics Letters, 2017, 110, 091107.	3.3	7
34	Optical necklaces generated by the diffraction on a stack of dielectric wedges. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3909-3913.	2.1	5
35	Title is missing!. Ukrainian Journal of Physical Optics, 2004, 5, 96-99.	13.0	5
36	Transverse relativistic effects in paraxial wave interference. Journal of Optics (United Kingdom), 2013, 15, 044003.	2.2	4

#	ARTICLE	IF	CITATIONS
37	Optical Pipeline: Trapping and Guiding of Airborne Particles. Optics and Photonics News, 2010, 21, 37.	0.5	2
38	<title>Fiber optical interferometric sensors of physical values with a singular reference beam</title>. , 2001, , .		1
39	<title>Structure of an optical vortices at the boundary of dielectric medium</title>. , 2004, , .		0
40	Generation of clusters of optical vortices. , 2008, , .		0
41	Momentum transfer in a standing optical vortex. , 2008, , .		0
42	Optical vortex pipeline. , 2009, , .		0
43	Spatial solitons carrying phase singularities in nematic liquid crystals. , 2011, , .		0
44	Vortex solitons and charge flipping in nematic liquid crystals. , 2011, , .		0
45	Multimode waveguides in nematic liquid crystals. , 2011, , .		0
46	Self-induced mode converter. , 2013, , .		0
47	Transverse Relativistic Effects in Paraxial Wave Interference. , 2014, , 237-246.		0