Yana V Izdebskaya

List of Publications by Year
in descending order

47	1,488	331670	361022
papers	citations	21 h-index	35 g-index

48	48	48	1043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic tuning of liquid crystal dielectric metasurfaces. Nanophotonics, 2022, 11, 3895-3900.	6.0	8
2	Formation and stability of vortex solitons in nematic liquid crystals. Optics Letters, 2021, 46, 62.	3.3	19
3	Anomalous interaction of spatial solitons in nematic liquid crystals. Optics Letters, 2019, 44, 267.	3.3	21
4	Stable vortex soliton in nonlocal media with orientational nonlinearity. Optics Letters, 2018, 43, 66.	3.3	64
5	Nonlinear propagation and quasi self-confinement of light in plasmonic resonant media. Optics Express, 2018, 26, 23196.	3.4	14
6	Magnetic routing of light-induced waveguides. Nature Communications, 2017, 8, 14452.	12.8	35
7	Magnetically controlled negative refraction of solitons in liquid crystals. Applied Physics Letters, 2017, 110, 091107.	3.3	7
8	Vortex stabilization by means of spatial solitons in nonlocal media. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.2	33
9	Observation of stable-vector vortex solitons. Optics Letters, 2015, 40, 4182.	3.3	40
10	Routing of spatial solitons by interaction with rod microelectrodes. Optics Letters, 2014, 39, 1681.	3.3	15
11	Dynamics of three-Airy beams carrying optical vortices. Applied Optics, 2014, 53, B248.	1.8	12
12	Transverse Relativistic Effects in Paraxial Wave Interference. , 2014, , 237-246.		0
13	Transverse relativistic effects in paraxial wave interference. Journal of Optics (United Kingdom), 2013, 15, 044003.	2.2	4
14	Self-induced mode converter. , 2013, , .		0
15	Deflection of nematicons through interaction with dielectric particles. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1432.	2.1	18
16	Self-Induced Mode Transformation in Nonlocal Nonlinear Media. Physical Review Letters, 2013, 111, 123902.	7.8	51
17	Observation of vector solitons with hidden vorticity. Optics Letters, 2012, 37, 767.	3.3	35
18	All-optical switching of a signal by a pair of interacting nematicons. Optics Express, 2012, 20, 24701.	3.4	21

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19	Dipole azimuthons and vortex charge flipping in nematic liquid crystals. Optics Express, 2011, 19, 21457.	3.4	49
20	Multimode nematicon waveguides. Optics Letters, 2011, 36, 184.	3.3	35
21	Spatial solitons carrying phase singularities in nematic liquid crystals. , 2011, , .		0
22	Vortex solitons and charge flipping in nematic liquid crystals. , 2011, , .		0
23	Multimode waveguides in nematic liquid crystals. , 2011, , .		0
24	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
25	Giant Optical Manipulation. Physical Review Letters, 2010, 105, 118103.	7.8	261
26	Selective trapping of multiple particles by volume speckle field. Optics Express, 2010, 18, 3137.	3.4	104
27	Counterpropagating nematicons in bias-free liquid crystals. Optics Express, 2010, 18, 3258.	3.4	40
28	Spatially engineered polarization states and optical vortices in uniaxial crystals. Optics Express, 2010, 18, 10848.	3.4	134
29	Soliton bending and routing induced by interaction with curved surfaces in nematic liquid crystals. Optics Letters, 2010, 35, 1692.	3.3	40
30	Optical Pipeline: Trapping and Guiding of Airborne Particles. Optics and Photonics News, 2010, 21, 37.	0.5	2
31	Optical vortex pipeline. , 2009, , .		0
32	Dynamics of optical spin-orbit coupling in uniaxial crystals. Optics Letters, 2009, 34, 1021.	3.3	119
33	Dynamics of linear polarization conversion in uniaxial crystals. Optics Express, 2009, 17, 18196.	3.4	21
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	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
36	Generation of optical bottle beams by incoherent white-light vortices. Optics Express, 2008, 16, 20902.	3.4	36

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37	Generation of clusters of optical vortices. , 2008, , .		0
38	Momentum transfer in a standing optical vortex. , 2008, , .		0
39	Vortex-bearing array of singular beams with very high orbital angular momentum. Optics Letters, 2006, 31, 2523.	3.3	25
40	Generation of higher-order optical vortices by a dielectric wedge. Optics Letters, 2005, 30, 2472.	3.3	59
41	Focusing of wedge-generated higher-order optical vortices. Optics Letters, 2005, 30, 2530.	3.3	22
42	<title>Structure of an optical vortices at the boundary of dielectric medium</title>. , 2004, , .		0
43	Title is missing!. Ukrainian Journal of Physical Optics, 2004, 5, 96-99.	13.0	5
44	<title>Optical vortex generation by optical wedge</title>. , 2002, 4607, 78.		11
45	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
46	<title>Fiber optical interferometric sensors of physical values with a singular reference beam</title>. , 2001, , .		1
47	Incoherent interaction of nematicons in bias-free liquid-crystal cells. Journal of the European Optical Society-Rapid Publications, 0, 5, .	1.9	17