Olga Borovkova

List of Publications by Year
in descending order

47 papers	626 citations	623734 14 h-index	580821 25 g-index
48 all docs	48 docs citations	48 times ranked	387 citing authors

#	Article	IF	Citations
1	Transverse magneto-photonic transmission effect in non-symmetric nanostructures with comb-like plasmonic gratings. Optical Materials Express, 2022, 12, 573.	3.0	5
2	Spectrally Selective Detection of Short Spin Waves in Magnetoplasmonic Nanostructures via the Magneto-Optical Intensity Effect. Nanomaterials, 2022, 12, 405.	4.1	4
3	Fundamental and vortex dissipative quadratic solitons supported by spatially localized gain. Physical Review A, 2022, 105, .	2.5	8
4	Magneto-Optical Effects in Nanostructures with Spatial Modulation of Magnetization. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 182-185.	0.6	0
5	Layer-selective magnetization switching in the chirped photonic crystal with GdFeCo. Scientific Reports, 2021, 11, 2239.	3.3	3
6	Multiperiodic magnetoplasmonic gratings fabricated by the pulse force nanolithography. Optics Letters, 2021, 46, 4148.	3.3	6
7	Fundamental and Vortex Dissipative Quadratic Solitons Supported by Localized Gain. , 2021, , .		0
8	Generation of vector flat-top solitons and hybrid bright–flat-top soliton complexes in optical microresonators via modulated pump. Physical Review A, 2021, 104, .	2.5	6
9	Magnetoplasmonic structures with broken spatial symmetry for light control at normal incidence. Physical Review B, 2020, 102, .	3.2	20
10	High-Q surface electromagnetic wave resonance excitation in magnetophotonic crystals for supersensitive detection of weak light absorption in the near-infrared. Photonics Research, 2020, 8, 57.	7.0	43
11	Transverse Magneto-optical Effect in Asymmetric Plasmonic Nanostructures. , 2020, , .		0
12	Tunable Inverse Faraday effect in the Photonic Crystal Nanostructures with the Magnetic Layer of Gradient Thickness. , 2020, , .		0
13	Enhancement of the Magneto-Optical Response in Ultra-Thin Ferromagnetic Films and Its Registration Using the Transverse Magneto-Optical Kerr Effect. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 881-883.	0.6	1
14	Transverse magneto-optical Kerr effect at narrow optical resonances. Nanophotonics, 2019, 8, 287-296.	6.0	19
15	Transverse Magneto-Optical Intensity Effect in Non-symmetric Plasmonic Nanostructures. , 2019, , .		0
16	Enhanced Magneto-Optic Response of the Ultrathin Iron-Garnet Films. , 2019, , .		0
17	Faraday rotation in iron garnet films beyond elemental substitutions. Optica, 2019, 6, 642.	9.3	43
18	TMOKE as efficient tool for the magneto-optic analysis of ultra-thin magnetic films. Applied Physics Letters, 2018, 112, .	3.3	52

#	Article	IF	Citations
19	Plasmon-excitonic Enhancement of the Transverse Magneto-Optical Kerr effect in the Semiconductor Magnetic Nanostructures. , 2018, , .		0
20	The Transverse Magneto-Optical Kerr Effect in a Plasmonic Structure with Non-Symmetric Nanoparticles. , 2018, , .		0
21	Excitonic enhancement of the transverse magneto-optical Kerr effect in semiconductor nanostructures. , 2017, , .		0
22	An amplification of the magneto-optical effects in the magneto-plasmonic structures with gain. , 2016, , .		0
23	SPR sensor with ultranarrow magnetoplasmonic resonance. , 2016, , .		0
24	Transverse magneto-optical Kerr effect in active magneto-plasmonic structures. Optics Letters, 2016, 41, 4593.	3.3	27
25	Dynamic versus Anderson wave-packet localization. Physical Review A, 2015, 91, .	2.5	4
26	Anderson localization of multichannel excitations in disordered two-dimensional waveguide arrays. Europhysics Letters, 2015, 109, 54001.	2.0	0
27	Spatio-temporal hybrid Anderson localization. Europhysics Letters, 2014, 108, 64002.	2.0	1
28	Dissipative quadratic solitons supported by a localized gain. Physical Review A, 2014, 90, .	2.5	11
29	Solitons supported by spatially inhomogeneous nonlinear losses. Optics Express, 2012, 20, 2657.	3.4	35
30	Stable bright and vortex solitons in photonic crystal fibers with inhomogeneous defocusing nonlinearity. Optics Letters, 2012, 37, 1799.	3.3	26
31	Solitons supported by singular spatial modulation of the Kerr nonlinearity. Physical Review A, 2012, 85, .	2.5	15
32	Stable vortex-soliton tori with multiple nested phase singularities in dissipative media. Physical Review A, 2012, 85, .	2.5	13
33	Topological light bullets supported by spatiotemporal gain. Physical Review A, 2012, 85, .	2.5	4
34	Stable nonlinear amplification of solitons without gain saturation. Europhysics Letters, 2012, 97, 44003.	2.0	13
35	Bright solitons from defocusing nonlinearities. Physical Review E, 2011, 84, 035602.	2.1	109
36	Rotating vortex solitons supported by localized gain. Optics Letters, 2011, 36, 1936.	3.3	23

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37	General quasi-nonspreading linear three-dimensional wave packets. Optics Letters, 2011, 36, 2176.	3.3	10
38	Algebraic bright and vortex solitons in defocusing media. Optics Letters, 2011, 36, 3088.	3.3	82
39	Vortex twins and anti-twins supported by multiring gain landscapes. Optics Letters, 2011, 36, 3783.	3.3	15
40	Two-dimensional vector solitons stabilized by a linear or nonlinear lattice acting in one component. Europhysics Letters, 2010, 92, 64001.	2.0	6
41	Stabilization of two-dimensional solitons in cubic-saturable nonlinear lattices. Physical Review A, 2010, 81, .	2.5	18
42	Controllable discrete diffraction in cascade-induced waveguides. Quantum Electronics, 2009, 39, 1050-1054.	1.0	1
43	The propagation of wave beams in 2D cascade-induced lattices. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1571-1574.	0.6	0
44	Discrete diffraction in a cascade-induced anisotropic lattice. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2008, 63, 430-432.	0.4	0
45	Cascaded induced lattices in quadratic nonlinear medium. Proceedings of SPIE, 2008, , .	0.8	1
46	<title>Spatial optical periodic structures in quadratically nonlinear media</title>. , 2007, , .		0
47	Excitation of two-dimensional soliton matrices by fundamental Gaussian beams. Quantum Electronics, 2005, 35, 65-68.	1.0	0