

Boris P Lapin

List of Publications by Year in descending order

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31
papers

410
citations

840776

11
h-index

752698

20
g-index

31
all docs

31
docs citations

31
times ranked

217
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit-interaction-induced generation of optical vortices in multihelicoidal fibers. <i>Physical Review A</i> , 2013, 88, .	2.5	70
2	Twisted anisotropic fibers for robust orbital-angular-momentum-based information transmission. <i>Physical Review A</i> , 2015, 91, .	2.5	42
3	Generation of optical vortices in layered helical waveguides. <i>Physical Review A</i> , 2011, 83, .	2.5	31
4	Generation and conversion of optical vortices in long-period twisted elliptical fibers. <i>Applied Optics</i> , 2012, 51, C193.	1.8	27
5	Optical activity in multihelicoidal optical fibers. <i>Physical Review A</i> , 2015, 92, .	2.5	26
6	Optical vortices and topological phase in strongly anisotropic coiled few-mode optical fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2666.	2.1	25
7	Helical core optical fibers maintaining propagation of a solitary optical vortex. <i>Physical Review A</i> , 2008, 78, .	2.5	23
8	Helical-core fiber analog of a quarter-wave plate for orbital angular momentum. <i>Optics Letters</i> , 2013, 38, 2277.	3.3	22
9	Resonance optical activity in multihelicoidal optical fibers. <i>Optics Letters</i> , 2016, 41, 962.	3.3	17
10	Revised model of acousto-optic interaction in optical fibers endowed with a flexural wave. <i>Optics Letters</i> , 2019, 44, 598.	3.3	16
11	Optical angular momentum and mode conversion in optical fibres with competing form and material anisotropy. <i>Journal of Optics</i> , 2008, 10, 055009.	1.5	13
12	The effect of spin-orbit coupling on the structure of the stopband in helical-core optical fibres. <i>Journal of Optics</i> , 2008, 10, 085006.	1.5	10
13	Localized topological states in Bragg multihelicoidal fibers with twist defects. <i>Physical Review A</i> , 2016, 93, .	2.5	10
14	Robust higher-order optical vortices for information transmission in twisted anisotropic optical fibers. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 035603.	2.2	10
15	Controlling the optical angular momentum by elliptical anisotropic fibres. <i>Journal of Optics</i> , 2009, 11, 105406.	1.5	9
16	Reciprocal optical activity in multihelicoidal optical fibers. <i>Physical Review A</i> , 2018, 98, .	2.5	8
17	Topological activity of layered chiral optical Bragg waveguides. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 095701.	2.2	6
18	Localized topological states in Bragg multihelicoidal fibers with combined pitch-jump and twist defects. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 045604.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Parametric control of propagation of optical vortices through fibre ring resonators. Journal of Optics (United Kingdom), 2021, 23, 064005.	2.2	6
20	Generation of optical vortices in non-parity-time-symmetric chiral-core optical fibers. Optics Letters, 2021, 46, 4474.	3.3	6
21	Generation of optical vortices in multihelical optical fibers. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.8	0.8	5
22	Topological activity in Bragg elliptical twisted fibers. Applied Optics, 2012, 51, C7.	1.8	4
23	Higher order modes and topological phase in the coiled elliptical weakly guiding optical fibres. Ukrainian Journal of Physical Optics, 2008, 9, 34.	13.0	4
24	Orbital angular momentum control by a multihelicoidal fibre with a twist defect. Journal of Optics (United Kingdom), 2013, 15, 125401.	2.2	3
25	Effect of a spacer on localization of topological states in a Bragg multihelicoidal fiber with a twist defect. Journal of Optics (United Kingdom), 2018, 20, 025603.	2.2	3
26	Super-efficient control of angular momentum and mode conversion in snake-type fiber resonators. Journal of the Optical Society of America B: Optical Physics, 2021, 38, F29.	2.1	3
27	Optical vortices and topological effects in coiled fibers with combined anisotropy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 456-463.	0.6	2
28	Polarization-Controlled Topological Charge Inversion of Optical Vortices in Multielliptical Optical Fibers. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 124, 560-566.	0.6	2
29	Topological charge conversion and localization in defected heterogeneous multihelicoidal optical fibers. Journal of Optics (United Kingdom), 2019, 21, 085601.	2.2	1
30	Inversion of the topological charge of optical vortices in a coil fibre resonator. Journal of Physics: Conference Series, 2016, 741, 012137.	0.4	0
31	Localized topological states in Bragg multihelicoidal fibers with a twist defect in the presence of a spacer. Journal of Physics: Conference Series, 2017, 917, 062013.	0.4	0