

Boris P Lapin

List of Publications by Year in descending order

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31
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Parametric control of propagation of optical vortices through fibre ring resonators. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 064005.	2.2	6
3	Super-efficient control of angular momentum and mode conversion in snake-type fiber resonators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, F29.	2.1	3
4	Generation of optical vortices in non-parity-time-symmetric chiral-core optical fibers. <i>Optics Letters</i> , 2021, 46, 4474.	3.3	6
5	Topological charge conversion and localization in defected heterogeneous multihelicoidal optical fibers. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 085601.	2.2	1
6	Revised model of acousto-optic interaction in optical fibers endowed with a flexural wave. <i>Optics Letters</i> , 2019, 44, 598.	3.3	16
7	Effect of a spacer on localization of topological states in a Bragg multihelicoidal fiber with a twist defect. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 025603.	2.2	3
8	Reciprocal optical activity in multihelicoidal optical fibers. <i>Physical Review A</i> , 2018, 98, .	2.5	8
9	Polarization-Controlled Topological Charge Inversion of Optical Vortices in Multielliptical Optical Fibers. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2018, 124, 560-566.	0.6	2
10	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
11	Localized topological states in Bragg multihelicoidal fibers with a twist defect in the presence of a spacer. <i>Journal of Physics: Conference Series</i> , 2017, 917, 062013.	0.4	0
12	Inversion of the topological charge of optical vortices in a coil fibre resonator. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012137.	0.4	0
13	Localized topological states in Bragg multihelicoidal fibers with twist defects. <i>Physical Review A</i> , 2016, 93, .	2.5	10
14	Resonance optical activity in multihelicoidal optical fibers. <i>Optics Letters</i> , 2016, 41, 962.	3.3	17
15	Optical activity in multihelicoidal optical fibers. <i>Physical Review A</i> , 2015, 92, .	2.5	26
16	Twisted anisotropic fibers for robust orbital-angular-momentum-based information transmission. <i>Physical Review A</i> , 2015, 91, .	2.5	42
17	Generation of optical vortices in multihelical optical fibers. <i>Optics and Spectroscopy (English)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.8 5	0.8	5
18	Helical-core fiber analog of a quarter-wave plate for orbital angular momentum. <i>Optics Letters</i> , 2013, 38, 2277.	3.3	22

#	ARTICLE	IF	CITATIONS
19	Spin-orbit-interaction-induced generation of optical vortices in multihelicoidal fibers. <i>Physical Review A</i> , 2013, 88, .	2.5	70
20	Orbital angular momentum control by a multihelicoidal fibre with a twist defect. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 125401.	2.2	3
21	Topological activity in Bragg elliptical twisted fibers. <i>Applied Optics</i> , 2012, 51, C7.	1.8	4
22	Generation and conversion of optical vortices in long-period twisted elliptical fibers. <i>Applied Optics</i> , 2012, 51, C193.	1.8	27
23	Generation of optical vortices in layered helical waveguides. <i>Physical Review A</i> , 2011, 83, .	2.5	31
24	Optical vortices and topological effects in coiled fibers with combined anisotropy. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2011, 110, 456-463.	0.6	2
25	Topological activity of layered chiral optical Bragg waveguides. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 095701.	2.2	6
26	Controlling the optical angular momentum by elliptical anisotropic fibres. <i>Journal of Optics</i> , 2009, 11, 105406.	1.5	9
27	Helical core optical fibers maintaining propagation of a solitary optical vortex. <i>Physical Review A</i> , 2008, 78, .	2.5	23
28	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
29	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
30	Higher order modes and topological phase in the coiled elliptical weakly guiding optical fibres. <i>Ukrainian Journal of Physical Optics</i> , 2008, 9, 34.	13.0	4
31	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