

# Nikolai Shtykov

## List of Publications by Year in descending order

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18  
papers

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citations

1307594

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1199594

12  
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18  
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docs citations

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times ranked

100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformed lying helix transition and lasing effect in cholesteric LC layers at spatially periodic boundary conditions. <i>Liquid Crystals</i> , 2020, 47, 384-398.	2.2	8
2	Lasing in liquid crystal systems with a deformed lying helix. <i>Optics Letters</i> , 2020, 45, 4328.	3.3	5
3	Amplification of the Fluorescence Propagating in the Waveguide Regime in a Planar Layer of NLC. <i>Crystallography Reports</i> , 2019, 64, 305-310.	0.6	0
4	Fluorescence and lasing in an electric-field-induced periodic structure of a cholesteric liquid crystal. <i>Quantum Electronics</i> , 2019, 49, 754-761.	1.0	3
5	Director distribution in field-induced undulated structures of cholesteric liquid crystals. <i>Liquid Crystals</i> , 2018, 45, 1408-1414.	2.2	6
6	Study of Lasing in Liquid-Crystal Systems with Microgratings. <i>Crystallography Reports</i> , 2018, 63, 633-640.	0.6	3
7	Waveguide amplification of dye fluorescence in NLC. <i>Photonics Letters of Poland</i> , 2018, 10, 106.	0.4	0
8	Lasing in micro-grating liquid crystal systems. <i>Liquid Crystals</i> , 2017, 44, 1216-1222.	2.2	4
9	Plasmon electro-optic effect in a subwavelength metallic nanograting with a nematic liquid crystal. <i>JETP Letters</i> , 2016, 103, 25-29.	1.4	12
10	Liquid crystal on subwavelength metal gratings. <i>Journal of Applied Physics</i> , 2015, 117, 223108.	2.5	10
11	Lasing in a nematic liquid crystal cell with an interdigitated electrode system. <i>Quantum Electronics</i> , 2015, 45, 305-311.	1.0	3
12	Modeling laser generation in cholesteric liquid crystals using kinetic equations. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 118, 822-830.	0.9	9
13	Simulation of light generation in cholesteric liquid crystals using kinetic equations: Time-independent solution. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 117, 349-355.	0.9	4
14	Multiwave out-of-normal band-edge lasing in cholesteric liquid crystals. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	20
15	Photonics of liquid-crystal structures: A review. <i>Crystallography Reports</i> , 2011, 56, 622-649.	0.6	34
16	A fast anharmonic mode in electrooptical switching of liquid crystal structures based on chiral nematics. <i>Journal of Experimental and Theoretical Physics</i> , 2010, 111, 484-494.	0.9	8
17	Amplification of the emission of a liquid-crystal microlaser by means of a uniform liquid-crystal layer. <i>JETP Letters</i> , 2007, 85, 602-604.	1.4	6
18	High-quality deformed lying helix in chiral LC on surface with periodic alignment prepared by two-step optical treatment. <i>Liquid Crystals</i> , 0, , 1-10.	2.2	1