

Nikolai Shtykov

List of Publications by Year in descending order

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papers

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1307594

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docs citations

18
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100
citing authors

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