

Victor Ya Zyryanov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1136095/victor-ya-zyryanov-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118
papers

1,147
citations

18
h-index

26
g-index

137
ext. papers

1,276
ext. citations

1.9
avg, IF

4.27
L-index

#	Paper	IF	Citations
118	Synchronously controlled optical modes in the transmittance and reflectance spectra of multilayer photonic structure with dual-frequency nematic liquid crystal.. <i>Physical Review E</i> , 2022 , 105, 024702	2.4	1
117	Experimental implementation of tunable hybrid Tamm-microcavity modes. <i>Applied Physics Letters</i> , 2021 , 119, 161107	3.4	2
116	METHODS TO DETERMINE CRYSTAL LATTICE PARAMETERS OF OPAL-LIKE STRUCTURES. <i>Journal of Structural Chemistry</i> , 2021 , 62, 641-650	0.9	
115	Cholesteric layers with tangential-conical surface anchoring for an electrically controlled polarization rotator. <i>Optical Materials Express</i> , 2021 , 11, 1527	2.6	0
114	Electrically turning periodic structures in cholesteric layer with conical-planar boundary conditions. <i>Scientific Reports</i> , 2021 , 11, 8409	4.9	1
113	Polymer Dispersed Cholesteric Liquid Crystals With a Toroidal Director Configuration under an Electric Field. <i>Polymers</i> , 2021 , 13,	4.5	5
112	Photonic crystal structures based on submicron particles of polymethyl methacrylate. <i>Journal of Physics: Conference Series</i> , 2021 , 1745, 012024	0.3	
111	Small-Angle Scattering and Radiation Polarization by a Stretched Polymer Film with Nematic Liquid Crystal Droplets Having a Single-Domain Structure. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020 , 128, 331-338	0.7	2
110	Electrically induced transformations of defects in cholesteric layer with tangential-conical boundary conditions. <i>Scientific Reports</i> , 2020 , 10, 4907	4.9	3
109	Polar anchoring energy and tilt angle measured by magneto-optical technique in nematic doped with ionic surfactant. <i>Liquid Crystals</i> , 2020 , 47, 1825-1831	2.3	0
108	Optical Textures and Orientational Structures in Cholesteric Droplets with Conical Boundary Conditions. <i>Molecules</i> , 2020 , 25,	4.8	2
107	Optical modes of multilayered photonic structure containing nematic layer with abnormal electroconvective rolls. <i>Optical Materials</i> , 2020 , 100, 109630	3.3	1
106	Eigenmodes in a photonic structure with a torsion-deformed nematic liquid crystal exposed to a magnetic field. <i>Physical Review E</i> , 2020 , 102, 042701	2.4	
105	Morphology stability of polymethylmethacrylate nanospheres formed in water-acetone dispersion medium. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	3
104	Polymer dispersed nematic liquid crystal films with conical boundary conditions for electrically controllable polarizers. <i>Optical Materials</i> , 2019 , 89, 1-4	3.3	11
103	Toroidal Configuration of a Cholesteric Liquid Crystal in Droplets with Homeotropic Anchoring. <i>JETP Letters</i> , 2019 , 109, 478-481	1.2	4
102	Orientational structures in cholesteric droplets with homeotropic surface anchoring. <i>Soft Matter</i> , 2019 , 15, 5554-5561	3.6	13

101	Nematic and Cholesteric Liquid Crystal Structures in Cells with Tangential-Conical Boundary Conditions. <i>Crystals</i> , 2019 , 9, 249	2.3	4
100	Anionic-cationic surfactant mixture providing the electrically controlled homeotropic surface anchoring of liquid crystals. <i>Journal of Molecular Liquids</i> , 2019 , 282, 57-62	6	2
99	Model to describe light scattering by polymer film containing droplets with inhomogeneous anchoring of liquid crystal molecules at the polymer-droplet interface: asymmetry effect in the angular distribution of light. <i>Liquid Crystals</i> , 2019 , 46, 1415-1427	2.3	1
98	Photo-orientation of nematic liquid crystal without preliminary cell surface treatment. <i>Optical Materials Express</i> , 2019 , 9, 2595	2.6	3
97	Electrically induced anchoring transition in cholesteric liquid crystal cells with different confinement ratios. <i>Liquid Crystals</i> , 2018 , 45, 1129-1136	2.3	2
96	Electro-thermally tunable reflective colors in a self-organized cholesteric helical superstructure. <i>Photonics Research</i> , 2018 , 6, 1094	6	23
95	Angle-resolved reflection spectroscopy of high-quality PMMA opal crystal. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2018 , 28, 37-44	2.6	7
94	Electro-optical and dielectric properties of polymer-stabilized blue phase liquid crystal impregnated with a fluorine-containing compound. <i>Journal of Molecular Liquids</i> , 2018 , 267, 138-143	6	11
93	Electric field-controlled transformation of the eigenmodes in a twisted-nematic Fabry-Pérot cavity. <i>Scientific Reports</i> , 2018 , 8, 16869	4.9	3
92	Structuring of the Surface Layer of Polycarbonate Film upon Interaction with Nematic Liquid Crystal. <i>Polymer Science - Series C</i> , 2018 , 60, 23-31	1.1	2
91	Small-angle light scattering symmetry breaking in polymer-dispersed liquid crystal films with inhomogeneous electrically controlled interface anchoring. <i>Journal of Experimental and Theoretical Physics</i> , 2017 , 124, 388-405	1	6
90	Untwisting of the helical structure of cholesteric droplets with homeotropic surface anchoring. <i>JETP Letters</i> , 2017 , 105, 51-54	1.2	9
89	Liquid crystal materials with ionic-surfactant operation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017 , 81, 594-597	0.4	1
88	Transformation of cholesteric orientational structures and optical textures induced by the electric field-driven ionic modification of surface anchoring. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2017 , 81, 602-604	0.4	
87	Polarization exchange of optical eigenmode pair in twisted-nematic Fabry-Pérot resonator. <i>Physical Review E</i> , 2017 , 96, 022711	2.4	5
86	Electrically induced structure transition in nematic liquid crystal droplets with conical boundary conditions. <i>Physical Review E</i> , 2017 , 96, 052701	2.4	14
85	Bipolar configuration with twisted loop defect in chiral nematic droplets under homeotropic surface anchoring. <i>Scientific Reports</i> , 2017 , 7, 14582	4.9	22
84	Polarization of light by a polymer film containing elongated drops of liquid crystal with inhomogeneous interfacial anchoring. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2017 , 122, 984-994	0.7	6

83	Oriental structures in nematic droplets with conical boundary conditions. <i>JETP Letters</i> , 2017 , 106, 384-389	1.2	10
82	Feature issue introduction: colloidal systems. <i>Optical Materials Express</i> , 2017 , 7, 654	2.6	
81	Chiral Optical Tamm States: Temporal Coupled-Mode Theory. <i>Crystals</i> , 2017 , 7, 113	2.3	12
80	Light transmission of polymer-dispersed liquid crystal layer composed of droplets with inhomogeneous surface anchoring. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2016 , 120, 143-152	0.7	8
79	Dynamic Tuning and Memory Switching of Defect Modes in a Hybrid Photonic Structure. <i>Crystals</i> , 2016 , 6, 129	2.3	3
78	Photo-manipulated photonic bandgap devices based on optically tristable chiral-tilted homeotropic nematic liquid crystal. <i>Optics Express</i> , 2016 , 24, 25019-25025	3.3	12
77	Modulation of defect modes intensity by controlled light scattering in a photonic structure with a liquid-crystal component. <i>Technical Physics Letters</i> , 2015 , 41, 86-89	0.7	4
76	Geometric phase and o-mode blueshift in a chiral anisotropic medium inside a Fabry-Pérot cavity. <i>Physical Review E</i> , 2015 , 92, 052504	2.4	9
75	Structures based on graphitized nanotubulenes with a common electrode in a matrix of porous anodic alumina for the purpose of forming electrically switchable membranes. <i>Technical Physics Letters</i> , 2015 , 41, 1047-1050	0.7	
74	Hybrid anchoring for a color-reflective dual-frequency cholesteric liquid crystal device switched by low voltages. <i>Optical Materials Express</i> , 2015 , 5, 2715	2.6	13
73	The director field distribution with the strongly pinned alignment in nematic structures at the polymer surface. <i>Liquid Crystals</i> , 2015 , 42, 57-64	2.3	6
72	Electric and magnetic field-assisted orientational transitions in the ensembles of domains in a nematic liquid crystal on the polymer surface. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 17838-31	6.3	11
71	Resonant angular conversion in a Fabry-Perot resonator holding a dielectric cylinder. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014 , 31, 264-7	1.8	3
70	Polarizing properties of a stretched film of a polymer-dispersed liquid crystal with a surfactant dopant. <i>Journal of Optical Technology (A Translation of Opticheskiy Zhurnal)</i> , 2014 , 81, 414	0.9	7
69	Electro-optical response of an ionic-surfactant-doped nematic cell with homeoplanar twisted configuration transition [Invited]. <i>Optical Materials Express</i> , 2014 , 4, 810	2.6	18
68	Tunable narrow-bandpass filter based on an asymmetric photonic bandgap structure with a dual-mode liquid crystal. <i>Optics Express</i> , 2014 , 22, 15097-103	3.3	12
67	Spatial and electrical switching of defect modes in a photonic bandgap device with a polymer-dispersed liquid crystal defect layer. <i>Optics Express</i> , 2014 , 22, 20278-83	3.3	11
66	Optical bistability in a photonic crystal with a liquid-crystal defect. <i>Doklady Physics</i> , 2013 , 58, 219-223	0.8	0

65	The dynamics of the response of an electro-optic cell based on a nematic layer with controlled surface anchoring. <i>Technical Physics Letters</i> , 2013 , 39, 583-586	0.7	6
64	Enhanced light absorption with a cholesteric liquid crystal layer. <i>Optical Materials Express</i> , 2013 , 3, 496	2.6	10
63	Spectral modulation of a bistable liquid-crystal photonic structure by the polarization effect. <i>Optical Materials Express</i> , 2013 , 3, 821	2.6	27
62	Domain structures in nematic liquid crystals on a polycarbonate surface. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16303-20	6.3	17
61	Small-angle light scattering and transmittance of polymer film, containing liquid crystal droplets with inhomogeneous boundary conditions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012 , 113, 2585-2592	2.1	14
60	Investigation of Transmittance and Small-Angle Light Scattering by Monolayer of Liquid Crystal Droplets with Modified Boundary Conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 561, 194-202	0.5	5
59	Voltage-induced defect mode coupling in a one-dimensional photonic crystal with a twisted-nematic defect layer. <i>Physical Review E</i> , 2012 , 85, 011705	2.4	21
58	Electrically controlled local Fréedericksz transition in a layer of a nematic liquid crystal. <i>JETP Letters</i> , 2012 , 96, 511-516	1.2	15
57	Magnetic-Field-Induced Structural Transition in Polymer-Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 557, 50-59	0.5	4
56	Switching of Defect Modes in a Photonic Structure with a Tristable Smectic-A Liquid Crystal. <i>Applied Physics Express</i> , 2012 , 5, 082003	2.4	8
55	Tunable bi-functional photonic device based on one-dimensional photonic crystal infiltrated with a bistable liquid-crystal layer. <i>Optics Express</i> , 2011 , 19, 7349-55	3.3	34
54	Multichannel photonic devices based on tristable polymer-stabilized cholesteric textures. <i>Optics Express</i> , 2011 , 19, 23952-7	3.3	34
53	Electro-optical device based on photonic structure with a dual-frequency cholesteric liquid crystal. <i>Optics Letters</i> , 2011 , 36, 2632-4	3	48
52	Electro-optical characteristics of polymer-dispersed liquid crystal film controlled by ionic-surfactant method. <i>Technical Physics Letters</i> , 2011 , 37, 34-36	0.7	12
51	Multistability in polymer-dispersed cholesteric liquid crystal film doped with ionic surfactant. <i>Technical Physics Letters</i> , 2011 , 37, 805-808	0.7	3
50	Angular structure of radiation scattered by monolayer of polydisperse droplets of nematic liquid crystal. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011 , 110, 110-118	0.7	12
49	Coherent transmission and angular structure of light scattering by monolayer films of polymer dispersed liquid crystals with inhomogeneous boundary conditions. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2011 , 111, 866-872	0.7	4
48	Electro- and magneto-optical switching of defect modes in one-dimensional photonic crystals. <i>Journal of Experimental and Theoretical Physics</i> , 2011 , 112, 577-587	1	18

47	Orientational changes in the nematic liquid crystal structure on a polymer surface induced by phase separation in a magnetic field. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2011 , 75, 1045-1048	0.4	
46	Optical properties of one-dimensional photonic crystal with a twisted-nematic defect layer. <i>Optics Express</i> , 2010 , 18, 26959-64	3.3	28
45	Magnetic-field tunable defect modes in a photonic-crystal/liquid-crystal cell. <i>Optics Express</i> , 2010 , 18, 1283-8	3.3	42
44	Magnetic-field control of the transmission of a photonic crystal with a liquid-crystal defect. <i>Technical Physics</i> , 2010 , 55, 1484-1489	0.5	9
43	One-dimensional photonic crystals with a planar oriented nematic layer: Temperature and angular dependence of the spectra of defect modes 2010 , 106, 388		
42	Inverse regime of ionic modification of surface anchoring in nematic droplets. <i>JETP Letters</i> , 2009 , 88, 597-601	1.2	23
41	Bipolar-homogeneous structural phase transition in nematic droplets formed in the polymer matrix in a magnetic field. <i>Crystallography Reports</i> , 2009 , 54, 1191-1196	0.6	1
40	Inverse Mode of Ion-Surfactant Method of Director Reorientation Inside Nematic Droplets. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 512, 152/[1998]-157/[2003]	0.5	7
39	Electrooptical Switching in a One-Dimensional Photonic Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 488, 118-126	0.5	31
38	Magneto-Optical Study of Friedericksz Threshold in Polymer Dispersed Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 488, 309-316	0.5	5
37	Texture Transformation in Nematic Droplets Caused by Ionic Modification of Boundary Conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 489, 273/[599]-279[605]	0.5	15
36	Optical Textures and Orientational Structures of Nematic and Cholesteric Droplets with Heterogeneous Boundary Conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 489, 84/[410]-93/[419] ^{0.5}	0.5	10
35	Magnetic-field-assisted formation of alignment polymer coatings in liquid crystal cells. <i>Technical Physics Letters</i> , 2008 , 34, 571-573	0.7	5
34	Interference of polarized components of defect modes in a multilayered photonic crystal with an optically anisotropic defect. <i>Nanotechnologies in Russia</i> , 2008 , 3, 751-755	0.6	2
33	One-dimensional photonic crystals with a planar oriented nematic layer: Temperature and angular dependence of the spectra of defect modes. <i>Journal of Experimental and Theoretical Physics</i> , 2008 , 106, 388-398	1	29
32	Small-angle light scattering from polymer-dispersed liquid-crystal films. <i>Journal of Experimental and Theoretical Physics</i> , 2008 , 107, 692-698	1	3
31	Friedericksz threshold field in bipolar nematic droplets with strong surface anchoring. <i>JETP Letters</i> , 2007 , 84, 607-612	1.2	13
30	Orientational structure transformations caused by the electric-field-induced ionic modification of the interface in nematic droplets. <i>JETP Letters</i> , 2007 , 86, 383-388	1.2	34

29	Control over the transmission spectrum of a one-dimensional photonic crystal with a liquid-crystal layer. <i>Doklady Physics</i> , 2007 , 52, 134-138	0.8	2
28	Angular tuning of defect modes spectrum in the one-dimensional photonic crystal with liquid-crystal layer. <i>European Physical Journal E</i> , 2007 , 24, 297-302	1.5	14
27	Thermooptical switching in a one-dimensional photonic crystal. <i>Technical Physics Letters</i> , 2006 , 32, 951-953		8
26	Uniaxially Oriented Films of Polymer Dispersed Liquid Crystals: Textures, Optical Properties and Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 438, 163/[1727]-173/[1737]	0.5	5
25	Director configurations in nematic droplets with inhomogeneous boundary conditions. <i>Physical Review E</i> , 2005 , 72, 031712	2.4	66
24	A Setup for Studying Microstructural, Thermo- and Electro-Optical Properties of Light-Scattering Film Materials. <i>Instruments and Experimental Techniques</i> , 2005 , 48, 675-678	0.5	
23	Director Configurations within Nematic Droplets Doped by Lecithin. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 438, 141/[1705]-150/[1714]	0.5	9
22	Transformation of director configuration upon changing boundary conditions in droplets of nematic liquid crystal. <i>JETP Letters</i> , 2004 , 79, 257-261	1.2	27
21	Interference oscillations in the dynamics of the optical response of polymer dispersed nematic liquid crystals. <i>Technical Physics Letters</i> , 2002 , 28, 675-677	0.7	2
20	Comparative analysis of basic physical properties of a ferroelectric liquid crystal and a polymer dispersed ferroelectric liquid crystal. <i>Liquid Crystals</i> , 2002 , 29, 1305-1310	2.3	10
19	High Contrast Light Modulator Based on PDNLC Monolayer. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 368, 215-222		1
18	Light modulation characteristics of a single-polarizer electro-optical cell based on polymer dispersed ferroelectric liquid crystals. <i>Liquid Crystals</i> , 2001 , 28, 741-748	2.3	13
17	Low Voltage Light Modulator Based on FLC Layer Divided by Polymer Walls. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 368, 207-214		3
16	Chiral Additive Effects on Electrooptical Response and Droplet Structure in Uniaxially Oriented Films of Polymer Dispersed Nematic. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 367, 369-377		2
15	Interference quenching of light transmitted through a monolayer film of polymer-dispersed nematic liquid crystal. <i>JETP Letters</i> , 2000 , 71, 486-488	1.2	23
14	Saturation voltage and elastic energy of polymer dispersed ferroelectric liquid crystal films. <i>Ferroelectrics</i> , 2000 , 243, 189-196	0.6	5
13	Light modulation characteristics of single-polarizer PDFLC films. <i>Ferroelectrics</i> , 2000 , 243, 179-188	0.6	4
12	Friedericksz Threshold in Bipolar Nematic Droplets with Rigidly Fixed Poles. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 329, 27-34		6

11	Optimization of the contrast, brightness, and modulation amplitude of light in electrooptic devices based on polymer-encapsulated ferroelectric liquid crystals. <i>Technical Physics Letters</i> , 1998 , 24, 483-484	0.7	
10	Characteristics of the process of reorientation of bipolar drops of a nematic with rigidly fixed poles. <i>JETP Letters</i> , 1998 , 67, 733-737	1.2	9
9	Volt-Contrast Curve Anisotropy in Planar-Oriented Pdchlc Films. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 259-270		3
8	Bipolar Nematic Droplets with Rigidly Fixed Poles in the Electric Field. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 245-258		17
7	Low voltage and high optical quality polymer dispersed FLC films. <i>Ferroelectrics</i> , 1998 , 212, 153-160	0.6	6
6	Polyfunctional optoelectronic elements based on oriented PDCLC films 1998 ,		2
5	Light modulators based on polymer-dispersed ferroelectric liquid crystals 1996 ,		4
4	Electro-optics of polymer dispersed ferroelectric liquid crystals. <i>Ferroelectrics</i> , 1993 , 143, 271-276	0.6	14
3	Elongated films of polymer-dispersed liquid crystals as scattering polarizers. <i>Molecular Engineering</i> , 1992 , 1, 305		21
2	Turbulent model for the combustion of a solid fuel composite. <i>Combustion, Explosion and Shock Waves</i> , 1988 , 24, 652-660	1	1
1	Experimental Solution of the Local Field Problem in Uniaxial Liquid Crystals□ <i>Molecular Crystals and Liquid Crystals</i> , 1986 , 133, 135-149		4