Victor Yu. Reshetnyak

List of Publications by Year in Descending Order

181 papers	3,006 citations	27 h-index	48 g-index
217 ext. papers	3,308 ext. citations	2.3 avg, IF	4.98 L-index

#	Paper	IF	Citations
181	Influence of Rugate Filters on the Spectral Manifestation of Tamm Plasmon Polaritons. *Materials*, **2021**, 14,	3.5	4
180	Flexo-elastic control factors of domain morphology in core-shell ferroelectric nanoparticles: Soft and rigid shells. *Acta Materialia*, **2021**, 212, 116889	8.4	1
179	Optical propagation through metamaterial structures with multilayered metallo-dielectrics: Hyperbolic dispersion and transmission filters **2021**, 3-37		
178	Chiral polarization textures induced by the flexoelectric effect in ferroelectric nanocylinders. *Physical Review B*, **2021**, 104,	3.3	6
177	Optofluidic Platform Based on Liquid Crystals in X-Cut Lithium Niobate: Thresholdless All-Optical Response. *Crystals*, **2021**, 11, 908	2.3	2
176	Electrically tunable polarization independent liquid crystal lenses based on orthogonally anisotropic orientations on adjacent micro-domains. *Optics Express*, **2021**, 29, 29215-29227	3.3	1
175	Dynamics of water condensation on a switchable surface originated from molecular orientations. *Physical Review E*, **2021**, 104, 034701	2.4	
174	Electric field control of three-dimensional vortex states in core-shell ferroelectric nanoparticles. *Acta Materialia*, **2020**, 200, 256-273	8.4	10
173	Director grating and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a helicoidal polymer network. *Journal of Applied Physics*, **2020**, 127, 125502	2.5	
172	A simplified transfer function approach to beam propagation in anisotropic metamaterials. *Optics Communications*, **2020**, 461, 125235	2	4
171	Modelling the Surface Plasmon Spectra of an ITONanoribbon Grating Adjacent to a LiquidCrystal Layer. *Materials*, **2020**, 13,	3.5	3
170	Phase modulators with tunability in wavefronts and optical axes originating from anisotropic molecular tilts under symmetric electric field II: experiments. *Optics Express*, **2020**, 28, 8985-9001	3.3	3
169	Polarization aberrations of electrically tunable liquid crystal mirrors. *Optics Express*, **2020**, 28, 11356-11371	3.3	3
168	Varifocal augmented reality adopting electrically tunable uniaxial plane-parallel plates. *Optics Express*, **2020**, 28, 23023-23036	3.3	5
167	Observing and controlling a Tamm plasmon at the interface with a metasurface. *Nanophotonics*, **2020**, 9, 897-903	6.3	12
166	Controlling the domain structure of ferroelectric nanoparticles using tunable shells. *Acta Materialia* , **2020**, 183, 36-50	8.4	13
165	Optical effects in liquid crystal cell with photosensitive chalcogenide glass substrate. *Molecular Crystals and Liquid Crystals*, **2020**, 696, 43-54	0.5	1

164	A Different Perspective on Cholesteric Liquid Crystals Reveals Unique Color and Polarization Changes. *ACS Applied Materials & Interfaces*, **2020**, 12, 37400-37408	9.5	7
163	Origin of oblique optical axis of electrically tunable focusing lenses arising from initial anisotropic molecular tilts under a symmetric electric field. I. *AIP Advances*, **2020**, 10, 095024	1.5	2
162	Impact of the Liquid Crystal Director Twisting on Two-Beam Energy Exchange in a Hybrid Photorefractive Inorganic-Liquid Crystal Cell. *Crystals*, **2020**, 10, 1104	2.3	
161	Optofluidic platform using liquid crystals in lithium niobate microchannel. *Scientific Reports*, **2019**, 9, 1062	4.9	10
160	Tunable Diffraction Gratings in Copolymer Network Liquid Crystals Driven with Interdigitated Electrodes. *ACS Applied Electronic Materials*, **2019**, 1, 2574-2584	4	6
159	**2019**,		1
158	Impact of photo-transformed molecules on two-beam energy exchange in hybrid photorefractive cholesteric cells. *Journal of Molecular Liquids*, **2018**, 267, 45-55	6	3
157	Electrical control of nanoparticles arrays created via topological defect lines design in anisotropic fluids. *Journal of Molecular Liquids*, **2018**, 267, 297-302	6	1
156	Surface plasmon absorption in MoS2 and graphene-MoS2 micro-gratings and the impact of a liquid crystal substrate. *AIP Advances*, **2018**, 8, 045024	1.5	9
155	Using liquid crystals to control surface plasmons. *Liquid Crystals*, **2018**, 45, 2010-2021	2.3	6
154	Modulation transfer function of liquid crystal microlenses and microprisms using double dielectric layer. *Applied Optics*, **2018**, 57, 18-24	1.7	4
153	Optical propagation through anisotropic metamaterials: Application to metallo-dielectric stacks. *Optics Communications*, **2018**, 425, 71-79	2	10
152	Theoretical modeling of photo-induced lens formation in a polymerizable matrix containing quantum dots. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 2029	1.7	1
151	XXII conference on liquid crystals (chemistry, physics and applications). *Liquid Crystals Today*, **2018**, 27, 109-112	1.9	
150	Hybrid photosensitive structures based on nematic liquid crystals and lithium niobate substrates. *Optical Data Processing and Storage*, **2018**, 4, 14-21		3
149	Effective medium theory for anisotropic media with plasmonic core-shell nanoparticle inclusions. *European Physical Journal Plus*, **2018**, 133, 1	3.1	6
148	Flexoelectro-optic effect and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a short-pitch horizontal helix. *Physical Review E*, **2018**, 97, 062701	2.4	1
147	Magneto-induced anisotropy in magnetic colloids of superparamagnetic magnetite nanoparticles in an external magnetic field. *Soft Matter*, **2017**, 13, 4080-4087	3.6	9

146	Electro-optical effect in a planar nematic cell with electric field sensitive boundary conditions. *Molecular Crystals and Liquid Crystals*, **2017**, 647, 320-328	0.5	1
145	Two-wave energy exchange in photorefractive hybrid cell with bent-core liquid crystal. *Molecular Crystals and Liquid Crystals*, **2017**, 646, 250-262	0.5	1
144	Light-induced electric field generated by photovoltaic substrates investigated through liquid crystal reorientation. *Optical Materials*, **2017**, 73, 64-69	3.3	26
143	Optical manipulation and defect creation in a liquid crystal on a photoresponsive surface. *Physical Review E*, **2017**, 96, 022701	2.4	20
142	Liquid crystal control of the plasmon resonances at terahertz frequencies in graphene microribbon gratings. *Physical Review E*, **2017**, 96, 022703	2.4	5
141	Liquid crystal lenses with tunable focal length. *Liquid Crystals Reviews*, **2017**, 5, 111-143	2.8	122
140	Origins of Kerr phase and orientational phase in polymer-dispersed liquid crystals. *Optics Express*, **2017**, 25, 19807-19821	3.3	16
139	Laser-induced erasable patterns in a N* liquid crystal on an iron doped lithium niobate surface. *Optics Express*, **2017**, 25, 26148-26159	3.3	15
138	Controlling hyperbolic metamaterials with a core-shell nanowire array [Invited]. *Optical Materials Express*, **2017**, 7, 542	2.6	3
137	Confined photovoltaic fields in a photo-responsive liquid crystal test cell **2017**,		1
136	Theoretical analyses of a liquid crystal adaptive lens with optically hidden dielectric double layer. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2017**, 34, 424-431	1.8	7
135	Interaction of electromagnetic waves in nematic waveguide. *Molecular Crystals and Liquid Crystals*, **2016**, 638, 1-16	0.5	
134	Doping liquid crystals with nanoparticles. A computer simulation of the effects of nanoparticle shape. *Physical Chemistry Chemical Physics*, **2016**, 18, 2428-41	3.6	27
133	Inorganic□Organic Photorefractive Hybrids. *Springer Series in Materials Science*, **2016**, 223-247	0.9	4
132	Modelling of director equilibrium states in a nematic cell with relief surface. *Liquid Crystals*, **2016**, 1-10	2.3	2
131	Two beam energy exchange in hybrid liquid crystal cells with photorefractive field controlled boundary conditions. *AIP Advances*, **2016**, 6, 095207	1.5	1
130	Light manipulation of nanoparticles in arrays of topological defects. *Scientific Reports*, **2016**, 6, 20742	4.9	17
129	Light-induced Soret effect and adsorption of nanocrystals in organic solvents. *European Physical Journal E*, **2016**, 39, 38	1.5	1

128	Cloaking by shells with radially inhomogeneous anisotropic permittivity. *Optics Express*, **2016**, 24, A21-32	3.3	12
127	Electrically active nanoantenna array enabled by varying the molecular orientation of an interfaced liquid crystal. *RSC Advances*, **2016**, 6, 84500-84504	3.7	10
126	Tuning surface plasmons in graphene ribbons with liquid crystal layer **2016**,		1
125	All-optical phase shifter with photovoltaic liquid crystal cell **2016**,		3
124	Liquid Crystal Control of Surface Plasmon Resonance Sensor Based on Nanorods. *Molecular Crystals and Liquid Crystals*, **2015**, 613, 110-120	0.5	3
123	Electrically variable liquid crystal lens based on the dielectric dividing principle. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2015**, 32, 803-8	1.8	24
122	Beam coupling in hybrid photorefractive inorganic-cholesteric liquid crystal cells: Impact of optical rotation. *Journal of Applied Physics*, **2014**, 115, 103103	2.5	8
121	Strong orientational coupling in two-component suspensions of rod-like nanoparticles. *Soft Matter*, **2013**, 9, 5061	3.6	21
120	Hybrid organic–inorganic materials for photonic applications. *Optical Materials Express*, **2013**, 3, 1149	2.6	1
119	Hybrid organic-inorganic materials for novel photonic applications. *Applied Optics*, **2013**, 52, HM1-3	1.7	2
118	Magnetic field control of the ordering of two-component suspension of hard rods. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120250	3	4
117	Light-induced changes of the refractive indices in a colloid of gold nanoparticles in a nematic liquid crystal. *European Physical Journal E*, **2012**, 35, 33	1.5	24
116	Two-Beam Energy Exchange in a Hybrid Photorefractive Inorganic-Cholesteric Cell. *Molecular Crystals and Liquid Crystals*, **2012**, 560, 8-22	0.5	9
115	Dipole moment and spontaneous polarization of ferroelectric nanoparticles in a nonpolar fluid suspension. *Physical Review B*, **2011**, 84,	3.3	49
114	Frederiks transition in ferroelectric liquid-crystal nanosuspensions. *Physical Review E*, **2011**, 83, 041705	2.4	46
113	Electric field interactions and aggregation dynamics of ferroelectric nanoparticles in isotropic fluid suspensions. *Physical Review B*, **2011**, 84,	3.3	27
112	Magnetic sensitivity of a dispersion of aggregated ferromagnetic carbon nanotubes in liquid crystals. *Soft Matter*, **2011**, 7, 644-649	3.6	91
111	Strong Cubic Optical Nonlinearity of Gold Nanoparticles Suspension in Nematic Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2011**, 545, 123/[1347]-132/[1356]	0.5	12

110	Magnetic-field effects on the structure modulation of nematic-based colloids of superparamagnetic impurities. *Journal of Molecular Liquids*, **2011**, 164, 148-152	6	
109	Spatially modulated structures in nematic colloids: Statistical thermodynamics and kinetics. *European Physical Journal E*, **2011**, 34, 33	1.5	1
108	Tunable-Focus Liquid Crystal Lens with Non-Planar Electrodes. *Molecular Crystals and Liquid Crystals* , **2010**, 526, 93-100	0.5	2
107	Two-beam energy exchange in a hybrid photorefractive-flexoelectric liquid-crystal cell. *Physical Review E*, **2010**, 81, 031705	2.4	14
106	Magneto-Optical Response of Twisted Ferronematic Cells. *Molecular Crystals and Liquid Crystals*, **2010**, 526, 38-45	0.5	4
105	Asymmetric Freedericksz transitions from symmetric liquid crystal cells doped with harvested ferroelectric nanoparticles. *Optics Express*, **2010**, 18, 17339-45	3.3	57
104	Harvesting single ferroelectric domain stressed nanoparticles for optical and ferroic applications. *Journal of Applied Physics*, **2010**, 108, 064309	2.5	37
103	Study of a composition of officinal herb mixtures using gas-liquid chromatography with mass-spectrometric detection. *Moscow University Chemistry Bulletin*, **2010**, 65, 106-113	0.5	4
102	Nano-colloids of Sn_{2}P_{2}S_{6} in nematic liquid crystal pentyl-cianobiphenile. *Condensed Matter Physics*, **2010**, 13, 33701	1.3	29
101	Theory of surface-potential-mediated photorefractivelike effects in liquid crystals. *Physical Review E*, **2009**, 79, 011703	2.4	9
100	Fast Nolinear Optical Mechanisms in Bi-Layered Cells Composed by Lyotropic Ionic Liquid Crystals with Dye and Viologen Films. *Molecular Crystals and Liquid Crystals*, **2009**, 508, 296/[658]-308/[670]	0.5	8
99	Preparation of ferroelectric nanoparticles for their use in liquid crystalline colloids. *Journal of Optics*, **2009**, 11, 024006		52
98	Modelling the Dynamical Behaviour of Holographic Gratings with Nematic Film-Polymer Slice Sequence Structure. *Molecular Crystals and Liquid Crystals*, **2009**, 508, 14/[376]-23/[385]	0.5	2
97	Numerical Modeling of Tunable Liquid-Crystal-Polymer-Network Lens. *Molecular Crystals and Liquid Crystals*, **2008**, 489, 40/[366]-53/[379]	0.5	2
96	Nanoparticle doped organic-inorganic hybrid photorefractives. *Optics Express*, **2008**, 16, 4015-22	3.3	56
95	The Frederiks Effect and Related Phenomena in Ferronematic Materials. *SIAM Journal on Applied Mathematics*, **2008**, 68, 1688-1716	1.8	44
94	Liquid crystal inorganic hybrid photorefractives **2008**,		2
93	Light-induced gliding of the easy orientation axis of a dye-doped nematic liquid crystal. *Physical Review E*, **2008**, 77, 061705	2.4	25

92	Surface-induced nonlinearities of liquid crystals driven by an electric field. *Physical Review E*, **2008**, 78, 061706	2.4	23
91	Simulation of Photorefractive Effect in Thin Liquid Crystal Film. *Molecular Crystals and Liquid Crystals*, **2008**, 489, 204/[530]-213/[539]	0.5	1
90	Theoretical modeling of heterogeneous LC systems: nano-suspensions and polymer stabilized LC lens **2007**,		1
89	Enhanced two-beam coupling in colloids of ferroelectric nanoparticles in liquid crystals. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 1512	1.7	82
88	Inverse Frederiks Effect and Bistability in Ferronematic Cells. *Molecular Crystals and Liquid Crystals*, **2007**, 475, 221-231	0.5	16
87	Theoretical Analyses of the Electric Field Control of Focal Length in a Gradient Polymer Stabilized Liquid Crystal Lens. *Molecular Crystals and Liquid Crystals*, **2006**, 454, 187/[589]-200/[602]	0.5	2
86	Evolution of light-induced anchoring in dye-doped nematics: experiment and model. *Physical Review E*, **2006**, 73, 031701	2.4	38
85	Nematic director response in ferronematic cells. *Europhysics Letters*, **2006**, 73, 408-414	1.6	43
84	Orientational coupling amplification in ferroelectric nematic colloids. *Physical Review Letters*, **2006**, 97, 147801	7.4	177
83	Surface Director Sliding in LC Cell with Light-Controlled Chirality. *Molecular Crystals and Liquid Crystals*, **2006**, 453, 263-274	0.5	8
82	Fredericksz Transition Threshold in Nematic Liquid Crystals Filled with Ferroelectric Nano-Particles. *Molecular Crystals and Liquid Crystals*, **2006**, 454, 201/[603]-206/[608]	0.5	23
81	Electrically Controllable Diffraction Efficiency of H-PDLC Film Composed of Ellipsoidal Liquid Crystal Droplets. *Molecular Crystals and Liquid Crystals*, **2006**, 453, 321-332	0.5	5
80	Hidden surface photorefractive gratings in a nematic-liquid crystal cell in the absence of a deposited alignment layer. *Journal of the Optical Society of America B: Optical Physics*, **2006**, 23, 1007	1.7	19
79	Formation and dynamics of easy orientation axis in magnetic field on PVCN-F surface. *Opto-electronics Review*, **2006**, 14,	2.4	14
78	Electric Field Control of Diffraction Efficiency in Holographic Polymer Dispersed Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2005**, 438, 283/[1847]-290/[1854]	0.5	6
77	Ferroelectric particles-liquid crystal dispersions **2005**,		6
76	Light-Induced Alignment of Liquid Crystals on Dye-Deposited Film. *Molecular Crystals and Liquid Crystals*, **2005**, 438, 67/[1631]-75/[1639]	0.5	2
75	Monte Carlo Simulation of Ferronematic Suspensions with Three Elastic Constants. *Molecular Crystals and Liquid Crystals*, **2005**, 437, 243/[1487]-250/[1494]	0.5	3

74	Magnetic Field Induced Director Reorientation in the Nematic Cell with Time-Dependent Anchoring Due to Adsorption/Desorption of LC Molecules. *Molecular Crystals and Liquid Crystals*, **2005**, 439, 1/[1867]-22/[1888]	0.5	9
73	Director profile in the in-plane switching of nematic liquid crystal cell with strong director anchoring **2004**,		1
72	Director Profile in the In-Plane Switching of Nematic Liquid Crystals Cell. *Molecular Crystals and Liquid Crystals*, **2004**, 422, 83-95	0.5	1
71	Effective dielectric function of ferroelectric LC suspensions. *Molecular Crystals and Liquid Crystals*, **2004**, 421, 219-224	0.5	21
70	Alignment of Nematic Liquid Crystal on the Surface with Spatial Distribution of Easy Axis and Anchoring Energy. *Molecular Crystals and Liquid Crystals*, **2004**, 412, 351-359	0.5	5
69	Surface-Mediated Beam Coupling in Nominally Pure Nematic Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2004**, 422, 27-36	0.5	5
68	Adsorption Phenomena and Macroscopic Properties of Ferronematics Caused by Orientational Interactions. *Molecular Crystals and Liquid Crystals*, **2004**, 409, 285-292	0.5	4
67	Director Reorientation in a Cell with Time-Dependent Anchoring Due To Adsorption/Desorption of LC Molecules. *Molecular Crystals and Liquid Crystals*, **2004**, 422, 173-183	0.5	8
66	Dynamic of Surface-Mediated Director Reorientation in a Cell with Dye Doped Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2004**, 421, 235-242	0.5	4
65	Enhanced Dielectric Response of Liquid Crystal Ferroelectric Suspension. *Molecular Crystals and Liquid Crystals*, **2004**, 422, 47-55	0.5	36
64	Light scattering by small hard particles in liquid crystals in anomalous-diffraction approach. *Journal of Molecular Liquids*, **2003**, 105, 249-253	6	
63	Ferroelectric nematic suspension. *Applied Physics Letters*, **2003**, 82, 1917-1919	3.4	269
62	Dielectric relaxation spectroscopy of a nematic liquid crystal doped with ferroelectric Sn 2 P 2 S 6 nanoparticles. *Liquid Crystals*, **2003**, 30, 1235-1239	2.3	113
61	Magnetically induced alignment of FNS. *Journal of Magnetism and Magnetic Materials*, **2002**, 252, 159-161	1.8	17
60	Weak anchoring effects in ferronematic systems. *Journal of Magnetism and Magnetic Materials*, **2002**, 252, 153-155	2.8	17
59	Computer modeling of light scattering in filled liquid crystals. *Computer Physics Communications*, **2002**, 147, 362-365	4.2	
58	Magnetically Induced Alignment of Ferro-Nematic Suspension on PVCN-F Layer. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 81-87	0.5	15
57	Magnetic Field Induced Orientational Bistability in a Ferronematic Cell. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 525-534	0.5	8

56	Threshold voltage and director reorientation for in-plane switching of nematic liquid crystals **2002**, 4658, 20		
55	Non-monotonic exposure dependence of the pretilt angle and surface polarity of the photo-orientant F-PVCN. *Liquid Crystals*, **2002**, 29, 209-212	2.3	9
54	T-matrix Theory of Light Scattering by Uniformly Anisotropic Spherical Scatterers. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 373-386	0.5	2
53	Light scattering by optically anisotropic scatterers: T-matrix theory for radial and uniform anisotropies. *Physical Review E*, **2002**, 65, 056609	2.4	30
52	Light scattering by anisotropic spherical particles: Rayleigh-Gans approximation versus T-matrix theory **2002**, 4938, 164		2
51	Orientation of Nematic Liquid Crystals on Random Anchoring Surface. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 165-173	0.5	9
50	The In-Plane Switching in the Nematic Cell. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 329-339	0.5	
49	Thermal Optical Nonlinearity of Suspension of Absorbing Particles in Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2002**, 375, 411-421	0.5	1
48	Operating voltage in the inplane-switching of nematic liquid crystals. *Journal of Molecular Liquids*, **2001**, 92, 131-137	6	5
47	Rayleigh-Gans theory of light scattering by liquid crystals filled with cylindrical particles. *Journal of Molecular Liquids*, **2001**, 92, 139-146	6	2
46	Laser-induced surface and bulk reorientation of the director in azo-dye-doped liquid crystal cells. *Optics Communications*, **2001**, 187, 235-247	2	9
45	Properties of Bulk-Mediated Photoalignment of Doped Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **2001**, 359, 137-145		5
44	Anchoring of a liquid crystal on a photoaligning layer with varying surface morphology. *Liquid Crystals*, **2001**, 28, 1709-1713	2.3	16
43	Optical data recording by laser pulses in liquid-crystal cells with an azo-modified surface. *Quantum Electronics*, **2001**, 31, 273-278	1.8	3
42	Surface-mediated light-controlled Friedericksz transition in a nematic liquid crystal cell. *Journal of Applied Physics*, **2001**, 90, 5963-5967	2.5	51
41	Nematic director slippage: role of the angular momentum of light. *Physical Review E*, **2001**, 63, 011701	2.4	10
40	Influence of the optical axis distribution in the anisotropic layer surrounding a spherical particle on the scattering of light. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2000** , 89, 907-913	0.7	4
39	Electrically controlled surface diffraction gratings in nematic liquid crystals. *Optics Letters*, **2000**, 25, 414-6	3	95

38	Rayleigh-Gans Theory of Light Scattering in Filled Nematics. *Molecular Crystals and Liquid Crystals*, **2000**, 352, 389-398		4
37	Photoorientation of Polymer Fragments in a System Azo-Polymer-Microporous Glass. *Molecular Crystals and Liquid Crystals*, **1999**, 329, 447-456		8
36	Field-Induced Orientational Transitions in a Nematic with Chiral Dopant. *Molecular Crystals and Liquid Crystals*, **1999**, 331, 473-482		
35	Light-Induced Surface Sliding of the Nematic Director in Liquid Crystals. *Physical Review Letters*, **1999**, 82, 1855-1858	7.4	74
34	Light-Scattering by Small Solid Spherical Particles Dispersed in a Nematic Cell. *Molecular Crystals and Liquid Crystals*, **1999**, 331, 601-608		3
33	Light-Induced Anchoring Transitions and Bistable Nematic Alignment on Polysiloxane-Based Aligning Surface. *Molecular Crystals and Liquid Crystals*, **1998**, 321, 299-307		7
32	Memory Effect and Structure of Filled Nematic Liquid Crystals. *Molecular Crystals and Liquid Crystals*, **1998**, 321, 15-30		12
31	Influence of Small Spherical Particles on the Spatial Director Distribution and Light Scattering in a Nematic Cell. *Molecular Crystals and Liquid Crystals*, **1998**, 321, 145-164		5
30	Light-induced Freedericksz transition in a nematic liquid crystal with chiral dopant. *Liquid Crystals*, **1998**, 25, 95-100	2.3	2
29	Kinetic Characteristics of Light Induced Anisotropy and Mechanisms of the Molecular Alignment in Azo Dye Containing Polymer Films. *Molecular Crystals and Liquid Crystals*, **1998**, 321, 31-43		15
28	Effective medium theory of light scattering in polymer dispersed liquid crystal films. *Journal Physics D: Applied Physics*, **1998**, 31, 1611-1625	3	32
27	Theory of Dielectric and Optical Properties of Pdlc Films. *Molecular Crystals and Liquid Crystals*, **1998**, 320, 301-319		6
26	Influence of Surface Elasticity on Periodic Splay-Twist Freedericksz Transition in a Nematic Cell. *Molecular Crystals and Liquid Crystals*, **1998**, 321, 133-144		5
25	The Electrodynamic Properties of Fiber Composites **1998**, 465-475		
24	Memory effect in filled nematic liquid crystals. *Liquid Crystals*, **1997**, 23, 241-246	2.3	96
23	Effective medium theory of polymer dispersed liquid crystal droplet systems: II. Partially oriented bipolar droplets. *Journal Physics D: Applied Physics*, **1997**, 30, 3253-3266	3	23
22	Freedericksz Transition in a Planar Nematic Cell and the Surfacelike Elastic Constant Problem. *Molecular Crystals and Liquid Crystals*, **1997**, 301, 437-447		
21	Surface driven transition in a nematic liquid crystal cell. *Journal of Experimental and Theoretical Physics*, **1997**, 85, 1119-1124	1	12

20	Effective-medium theory of polymer dispersed liquid crystal droplet systems: I. Spherical droplets. *Journal Physics D: Applied Physics*, **1996**, 29, 2459-2465	3	17
19	NLC Orientational Instability in the Absorbed Light Wave Field with Spatially Modulated Intensity. *Molecular Crystals and Liquid Crystals*, **1995**, 261, 147-158		2
18	An Oblique Orientation of Nematic Liquid Crystals on a Photosensitive Aligning Polymer. *Molecular Crystals and Liquid Crystals*, **1995**, 263, 399-413		27
17	Light-Controlled Rotation of the Light Polarization Plane in Weakly Twisted Nematics. *Molecular Crystals and Liquid Crystals*, **1995**, 261, 159-165		1
16	Peculiarity of an Oblique Liquid Crystal Alignment Induced by a Photosensitive Orientant. *Japanese Journal of Applied Physics*, **1995**, 34, L1000-L1002	1.4	26
15	Surface Elastic Constant Problems for NLC Confined to Cylindrical Cavity: Stability of Axial Configuration. *Molecular Crystals and Liquid Crystals*, **1995**, 265, 527-540		8
14	Control of an Easy-Axis on Nematic-Polymer Interface by Light Action to Nematic Bulk. *Japanese Journal of Applied Physics*, **1995**, 34, 566-571	1.4	103
13	Influence of the Aerosil Surface Modification on Electro-Optical Characteristics of Filled Liquid Crystals. *Molecular Crystals and Liquid Crystals*, **1995**, 262, 111-118		18
12	Ordinary Differential Equations and Calculus of Variations **1995**,		2
11	Surface Driven Orientation Effect in NLC Cell. *Molecular Crystals and Liquid Crystals*, **1994**, 251, 209-218		15
10	The Ifluence of Nematic Droplet Optical Axes Ordering on Light Scattering in Polymer Matrix. *Molecular Crystals and Liquid Crystals*, **1994**, 251, 283-287		
9	Electrically Controlled Light Scattering of the Aerosil-Liquid Crystal System. *Molecular Crystals and Liquid Crystals*, **1994**, 251, 303-309		24
8	Influence of light-induced molecular conformational transformation and anchoring energy on the cholesteric liquid-crystal pitch and dielectric properties **1993**, 1845, 510		3
7	Influence of Anchoring Energy on Orientational Ordering and Phase Transition in Nematic Droplets in Polymer Matrix. *Molecular Crystals and Liquid Crystals*, **1992**, 222, 279-286		2
6	Influence of Light Induced Molecular Conformational Transformations and Anchoring Energy on Cholesteric Liquid Crystal Pitch and Dielectric Properties. *Molecular Crystals and Liquid Crystals*, **1992**, 222, 269-278		8
5	CONFORMATIONAL OPTICAL NONLINEARITY OF NEMATIC LIQUID CRYSTALS. *Journal of Nonlinear Optical Physics and Materials*, **1992**, 01, 447-472	0.8	16
4	Conformational Optical Nonlinearity of Nematic Liquid Crystal. *Molecular Crystals and Liquid Crystals*, **1991**, 207, 43-52		3
3	Photoinduced Change of Cholesteric LC-Pitch. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1990**, 192, 273-278		16

2	Effect of surface-Induced Anchoring on Nic Light Scattering Characteristics. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1987**, 152, 495-502		7
1	Higher‐Order Bragg Reflection Colors in Polymer‐Stabilized Cholesteric Liquid Crystals. *Advanced Photonics Research*,2100112	1.9	2