

Victor Yu. Reshetnyak

List of Publications by Citations

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181
papers

3,006
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27
h-index

48
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217
ext. papers

3,308
ext. citations

2.3
avg, IF

4.98
L-index

#	Paper	IF	Citations
181	Ferroelectric nematic suspension. <i>Applied Physics Letters</i> , 2003 , 82, 1917-1919	3.4	269
180	Orientational coupling amplification in ferroelectric nematic colloids. <i>Physical Review Letters</i> , 2006 , 97, 147801	7.4	177
179	Liquid crystal lenses with tunable focal length. <i>Liquid Crystals Reviews</i> , 2017 , 5, 111-143	2.8	122
178	Dielectric relaxation spectroscopy of a nematic liquid crystal doped with ferroelectric Sn ₂ P ₂ S ₆ nanoparticles. <i>Liquid Crystals</i> , 2003 , 30, 1235-1239	2.3	113
177	Control of an Easy-Axis on Nematic-Polymer Interface by Light Action to Nematic Bulk. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, 566-571	1.4	103
176	Memory effect in filled nematic liquid crystals. <i>Liquid Crystals</i> , 1997 , 23, 241-246	2.3	96
175	Electrically controlled surface diffraction gratings in nematic liquid crystals. <i>Optics Letters</i> , 2000 , 25, 414-6	3	95
174	Magnetic sensitivity of a dispersion of aggregated ferromagnetic carbon nanotubes in liquid crystals. <i>Soft Matter</i> , 2011 , 7, 644-649	3.6	91
173	Enhanced two-beam coupling in colloids of ferroelectric nanoparticles in liquid crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 1512	1.7	82
172	Light-Induced Surface Sliding of the Nematic Director in Liquid Crystals. <i>Physical Review Letters</i> , 1999 , 82, 1855-1858	7.4	74
171	Asymmetric Freedericksz transitions from symmetric liquid crystal cells doped with harvested ferroelectric nanoparticles. <i>Optics Express</i> , 2010 , 18, 17339-45	3.3	57
170	Nanoparticle doped organic-inorganic hybrid photorefractives. <i>Optics Express</i> , 2008 , 16, 4015-22	3.3	56
169	Preparation of ferroelectric nanoparticles for their use in liquid crystalline colloids. <i>Journal of Optics</i> , 2009 , 11, 024006		52
168	Surface-mediated light-controlled Friedericksz transition in a nematic liquid crystal cell. <i>Journal of Applied Physics</i> , 2001 , 90, 5963-5967	2.5	51
167	Dipole moment and spontaneous polarization of ferroelectric nanoparticles in a nonpolar fluid suspension. <i>Physical Review B</i> , 2011 , 84,	3.3	49
166	Frederiks transition in ferroelectric liquid-crystal nanosuspensions. <i>Physical Review E</i> , 2011 , 83, 041705	2.4	46
165	The Frederiks Effect and Related Phenomena in Ferronematic Materials. <i>SIAM Journal on Applied Mathematics</i> , 2008 , 68, 1688-1716	1.8	44

164	Nematic director response in ferronematic cells. <i>Europhysics Letters</i> , 2006 , 73, 408-414	1.6	43
163	Evolution of light-induced anchoring in dye-doped nematics: experiment and model. <i>Physical Review E</i> , 2006 , 73, 031701	2.4	38
162	Harvesting single ferroelectric domain stressed nanoparticles for optical and ferroic applications. <i>Journal of Applied Physics</i> , 2010 , 108, 064309	2.5	37
161	Enhanced Dielectric Response of Liquid Crystal Ferroelectric Suspension. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 422, 47-55	0.5	36
160	Effective medium theory of light scattering in polymer dispersed liquid crystal films. <i>Journal Physics D: Applied Physics</i> , 1998 , 31, 1611-1625	3	32
159	Light scattering by optically anisotropic scatterers: T-matrix theory for radial and uniform anisotropies. <i>Physical Review E</i> , 2002 , 65, 056609	2.4	30
158	Nano-colloids of Sn ₂ P ₂ S ₆ in nematic liquid crystal pentyl-cianobiphenile. <i>Condensed Matter Physics</i> , 2010 , 13, 33701	1.3	29
157	Doping liquid crystals with nanoparticles. A computer simulation of the effects of nanoparticle shape. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 2428-41	3.6	27
156	Electric field interactions and aggregation dynamics of ferroelectric nanoparticles in isotropic fluid suspensions. <i>Physical Review B</i> , 2011 , 84,	3.3	27
155	An Oblique Orientation of Nematic Liquid Crystals on a Photosensitive Aligning Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 263, 399-413		27
154	Light-induced electric field generated by photovoltaic substrates investigated through liquid crystal reorientation. <i>Optical Materials</i> , 2017 , 73, 64-69	3.3	26
153	Peculiarity of an Oblique Liquid Crystal Alignment Induced by a Photosensitive Orientant. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, L1000-L1002	1.4	26
152	Light-induced gliding of the easy orientation axis of a dye-doped nematic liquid crystal. <i>Physical Review E</i> , 2008 , 77, 061705	2.4	25
151	Electrically variable liquid crystal lens based on the dielectric dividing principle. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015 , 32, 803-8	1.8	24
150	Light-induced changes of the refractive indices in a colloid of gold nanoparticles in a nematic liquid crystal. <i>European Physical Journal E</i> , 2012 , 35, 33	1.5	24
149	Electrically Controlled Light Scattering of the Aerosil-Liquid Crystal System. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 251, 303-309		24
148	Effective medium theory of polymer dispersed liquid crystal droplet systems: II. Partially oriented bipolar droplets. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, 3253-3266	3	23
147	Surface-induced nonlinearities of liquid crystals driven by an electric field. <i>Physical Review E</i> , 2008 , 78, 061706	2.4	23

146	Fredericksz Transition Threshold in Nematic Liquid Crystals Filled with Ferroelectric Nano-Particles. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 454, 201/[603]-206/[608]	0.5	23
145	Strong orientational coupling in two-component suspensions of rod-like nanoparticles. <i>Soft Matter</i> , 2013 , 9, 5061	3.6	21
144	Effective dielectric function of ferroelectric LC suspensions. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 421, 219-224	0.5	21
143	Optical manipulation and defect creation in a liquid crystal on a photoresponsive surface. <i>Physical Review E</i> , 2017 , 96, 022701	2.4	20
142	Hidden surface photorefractive gratings in a nematic-liquid crystal cell in the absence of a deposited alignment layer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1007	1.7	19
141	Influence of the Aerosil Surface Modification on Electro-Optical Characteristics of Filled Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 262, 111-118		18
140	Magnetically induced alignment of FNS. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 252, 159-161	1.8	17
139	Weak anchoring effects in ferronematic systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 252, 153-155	2.8	17
138	Effective-medium theory of polymer dispersed liquid crystal droplet systems: I. Spherical droplets. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 2459-2465	3	17
137	Light manipulation of nanoparticles in arrays of topological defects. <i>Scientific Reports</i> , 2016 , 6, 20742	4.9	17
136	Origins of Kerr phase and orientational phase in polymer-dispersed liquid crystals. <i>Optics Express</i> , 2017 , 25, 19807-19821	3.3	16
135	Inverse Frederiks Effect and Bistability in Ferronematic Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 475, 221-231	0.5	16
134	Anchoring of a liquid crystal on a photoaligning layer with varying surface morphology. <i>Liquid Crystals</i> , 2001 , 28, 1709-1713	2.3	16
133	CONFORMATIONAL OPTICAL NONLINEARITY OF NEMATIC LIQUID CRYSTALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1992 , 01, 447-472	0.8	16
132	Photoinduced Change of Cholesteric LC-Pitch. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 192, 273-278		16
131	Laser-induced erasable patterns in a N* liquid crystal on an iron doped lithium niobate surface. <i>Optics Express</i> , 2017 , 25, 26148-26159	3.3	15
130	Magnetically Induced Alignment of Ferro-Nematic Suspension on PVCN-F Layer. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 375, 81-87	0.5	15
129	Kinetic Characteristics of Light Induced Anisotropy and Mechanisms of the Molecular Alignment in Azo Dye Containing Polymer Films. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 31-43		15

128	Surface Driven Orientation Effect in NLC Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 251, 209-218		15
127	Two-beam energy exchange in a hybrid photorefractive-flexoelectric liquid-crystal cell. <i>Physical Review E</i> , 2010 , 81, 031705	2.4	14
126	Formation and dynamics of easy orientation axis in magnetic field on PVCN-F surface. <i>Opto-electronics Review</i> , 2006 , 14,	2.4	14
125	Controlling the domain structure of ferroelectric nanoparticles using tunable shells. <i>Acta Materialia</i> , 2020 , 183, 36-50	8.4	13
124	Strong Cubic Optical Nonlinearity of Gold Nanoparticles Suspension in Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 545, 123/[1347]-132/[1356]	0.5	12
123	Surface driven transition in a nematic liquid crystal cell. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 85, 1119-1124	1	12
122	Memory Effect and Structure of Filled Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 15-30		12
121	Observing and controlling a Tamm plasmon at the interface with a metasurface. <i>Nanophotonics</i> , 2020 , 9, 897-903	6.3	12
120	Cloaking by shells with radially inhomogeneous anisotropic permittivity. <i>Optics Express</i> , 2016 , 24, A21-32,3		12
119	Optofluidic platform using liquid crystals in lithium niobate microchannel. <i>Scientific Reports</i> , 2019 , 9, 1062	4.9	10
118	Electric field control of three-dimensional vortex states in core-shell ferroelectric nanoparticles. <i>Acta Materialia</i> , 2020 , 200, 256-273	8.4	10
117	Optical propagation through anisotropic metamaterials: Application to metallo-dielectric stacks. <i>Optics Communications</i> , 2018 , 425, 71-79	2	10
116	Nematic director slippage: role of the angular momentum of light. <i>Physical Review E</i> , 2001 , 63, 011701	2.4	10
115	Electrically active nanoantenna array enabled by varying the molecular orientation of an interfaced liquid crystal. <i>RSC Advances</i> , 2016 , 6, 84500-84504	3.7	10
114	Magneto-induced anisotropy in magnetic colloids of superparamagnetic magnetite nanoparticles in an external magnetic field. <i>Soft Matter</i> , 2017 , 13, 4080-4087	3.6	9
113	Surface plasmon absorption in MoS2 and graphene-MoS2 micro-gratings and the impact of a liquid crystal substrate. <i>AIP Advances</i> , 2018 , 8, 045024	1.5	9
112	Theory of surface-potential-mediated photorefractivelike effects in liquid crystals. <i>Physical Review E</i> , 2009 , 79, 011703	2.4	9
111	Two-Beam Energy Exchange in a Hybrid Photorefractive Inorganic-Cholesteric Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 560, 8-22	0.5	9

110	Magnetic Field Induced Director Reorientation in the Nematic Cell with Time-Dependent Anchoring Due to Adsorption/Desorption of LC Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 439, 1/[1867]-22/[1888]	0.5	9
109	Laser-induced surface and bulk reorientation of the director in azo-dye-doped liquid crystal cells. <i>Optics Communications</i> , 2001 , 187, 235-247	2	9
108	Non-monotonic exposure dependence of the pretilt angle and surface polarity of the photo-orientant F-PVCN. <i>Liquid Crystals</i> , 2002 , 29, 209-212	2.3	9
107	Orientation of Nematic Liquid Crystals on Random Anchoring Surface. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 375, 165-173	0.5	9
106	Beam coupling in hybrid photorefractive inorganic-cholesteric liquid crystal cells: Impact of optical rotation. <i>Journal of Applied Physics</i> , 2014 , 115, 103103	2.5	8
105	Fast Nolinear Optical Mechanisms in Bi-Layered Cells Composed by Lyotropic Ionic Liquid Crystals with Dye and Viologen Films. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 508, 296/[658]-308/[670]	0.5	8
104	Surface Director Sliding in LC Cell with Light-Controlled Chirality. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 453, 263-274	0.5	8
103	Director Reorientation in a Cell with Time-Dependent Anchoring Due To Adsorption/Desorption of LC Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 422, 173-183	0.5	8
102	Magnetic Field Induced Orientational Bistability in a Ferronematic Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 375, 525-534	0.5	8
101	Photoorientation of Polymer Fragments in a System Azo-Polymer-Microporous Glass. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 329, 447-456		8
100	Surface Elastic Constant Problems for NLC Confined to Cylindrical Cavity: Stability of Axial Configuration. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 265, 527-540		8
99	Influence of Light Induced Molecular Conformational Transformations and Anchoring Energy on Cholesteric Liquid Crystal Pitch and Dielectric Properties. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 222, 269-278		8
98	Light-Induced Anchoring Transitions and Bistable Nematic Alignment on Polysiloxane-Based Aligning Surface. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 299-307		7
97	Effect of surface-Induced Anchoring on Nic Light Scattering Characteristics. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1987 , 152, 495-502		7
96	Theoretical analyses of a liquid crystal adaptive lens with optically hidden dielectric double layer. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017 , 34, 424-431	1.8	7
95	A Different Perspective on Cholesteric Liquid Crystals Reveals Unique Color and Polarization Changes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37400-37408	9.5	7
94	Using liquid crystals to control surface plasmons. <i>Liquid Crystals</i> , 2018 , 45, 2010-2021	2.3	6
93	Tunable Diffraction Gratings in Copolymer Network Liquid Crystals Driven with Interdigitated Electrodes. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2574-2584	4	6

92	Electric Field Control of Diffraction Efficiency in Holographic Polymer Dispersed Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 438, 283/[1847]-290/[1854]	0.5	6
91	Ferroelectric particles-liquid crystal dispersions 2005 ,		6
90	Theory of Dielectric and Optical Properties of Pdlc Films. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 320, 301-319		6
89	Effective medium theory for anisotropic media with plasmonic core-shell nanoparticle inclusions. <i>European Physical Journal Plus</i> , 2018 , 133, 1	3.1	6
88	Chiral polarization textures induced by the flexoelectric effect in ferroelectric nanocylinders. <i>Physical Review B</i> , 2021 , 104,	3.3	6
87	Liquid crystal control of the plasmon resonances at terahertz frequencies in graphene microribbon gratings. <i>Physical Review E</i> , 2017 , 96, 022703	2.4	5
86	Influence of Small Spherical Particles on the Spatial Director Distribution and Light Scattering in a Nematic Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 145-164		5
85	Electrically Controllable Diffraction Efficiency of H-PDLC Film Composed of Ellipsoidal Liquid Crystal Droplets. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 453, 321-332	0.5	5
84	Alignment of Nematic Liquid Crystal on the Surface with Spatial Distribution of Easy Axis and Anchoring Energy. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 412, 351-359	0.5	5
83	Surface-Mediated Beam Coupling in Nominally Pure Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 422, 27-36	0.5	5
82	Operating voltage in the inplane-switching of nematic liquid crystals. <i>Journal of Molecular Liquids</i> , 2001 , 92, 131-137	6	5
81	Properties of Bulk-Mediated Photoalignment of Doped Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2001 , 359, 137-145		5
80	Influence of Surface Elasticity on Periodic Splay-Twist Freedericksz Transition in a Nematic Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 321, 133-144		5
79	Varifocal augmented reality adopting electrically tunable uniaxial plane-parallel plates. <i>Optics Express</i> , 2020 , 28, 23023-23036	3.3	5
78	A simplified transfer function approach to beam propagation in anisotropic metamaterials. <i>Optics Communications</i> , 2020 , 461, 125235	2	4
77	Modulation transfer function of liquid crystal microlenses and microprisms using double dielectric layer. <i>Applied Optics</i> , 2018 , 57, 18-24	1.7	4
76	Magnetic field control of the ordering of two-component suspension of hard rods. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120250	3	4
75	Magneto-Optical Response of Twisted Ferronematic Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 526, 38-45	0.5	4

74	Study of a composition of officinal herb mixtures using gas-liquid chromatography with mass-spectrometric detection. <i>Moscow University Chemistry Bulletin</i> , 2010 , 65, 106-113	0.5	4
73	Adsorption Phenomena and Macroscopic Properties of Ferronematics Caused by Orientational Interactions. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 409, 285-292	0.5	4
72	Dynamic of Surface-Mediated Director Reorientation in a Cell with Dye Doped Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 421, 235-242	0.5	4
71	Influence of the optical axis distribution in the anisotropic layer surrounding a spherical particle on the scattering of light. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2000 , 89, 907-913	0.7	4
70	Rayleigh-Gans Theory of Light Scattering in Filled Nematics. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 352, 389-398		4
69	Inorganic/Organic Photorefractive Hybrids. <i>Springer Series in Materials Science</i> , 2016 , 223-247	0.9	4
68	Influence of Rugate Filters on the Spectral Manifestation of Tamm Plasmon Polaritons. <i>Materials</i> , 2021 , 14,	3.5	4
67	Liquid Crystal Control of Surface Plasmon Resonance Sensor Based on Nanorods. <i>Molecular Crystals and Liquid Crystals</i> , 2015 , 613, 110-120	0.5	3
66	Modelling the Surface Plasmon Spectra of an ITONanoribbon Grating Adjacent to a LiquidCrystal Layer. <i>Materials</i> , 2020 , 13,	3.5	3
65	Impact of photo-transformed molecules on two-beam energy exchange in hybrid photorefractive cholesteric cells. <i>Journal of Molecular Liquids</i> , 2018 , 267, 45-55	6	3
64	Controlling hyperbolic metamaterials with a core-shell nanowire array [Invited]. <i>Optical Materials Express</i> , 2017 , 7, 542	2.6	3
63	Monte Carlo Simulation of Ferronematic Suspensions with Three Elastic Constants. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 437, 243/[1487]-250/[1494]	0.5	3
62	Optical data recording by laser pulses in liquid-crystal cells with an azo-modified surface. <i>Quantum Electronics</i> , 2001 , 31, 273-278	1.8	3
61	Light-Scattering by Small Solid Spherical Particles Dispersed in a Nematic Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 331, 601-608		3
60	Influence of light-induced molecular conformational transformation and anchoring energy on the cholesteric liquid-crystal pitch and dielectric properties 1993 , 1845, 510		3
59	Conformational Optical Nonlinearity of Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 1991 , 207, 43-52		3
58	Phase modulators with tunability in wavefronts and optical axes originating from anisotropic molecular tilts under symmetric electric field II: experiments. <i>Optics Express</i> , 2020 , 28, 8985-9001	3.3	3
57	Polarization aberrations of electrically tunable liquid crystal mirrors. <i>Optics Express</i> , 2020 , 28, 11356-11373	3.3	3

56	All-optical phase shifter with photovoltaic liquid crystal cell 2016 ,			3
55	Hybrid photosensitive structures based on nematic liquid crystals and lithium niobate substrates. <i>Optical Data Processing and Storage</i> , 2018 , 4, 14-21			3
54	Hybrid organic-inorganic materials for novel photonic applications. <i>Applied Optics</i> , 2013 , 52, HM1-3	1.7		2
53	Tunable-Focus Liquid Crystal Lens with Non-Planar Electrodes. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 526, 93-100	0.5		2
52	Modelling the Dynamical Behaviour of Holographic Gratings with Nematic Film-Polymer Slice Sequence Structure. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 508, 14/[376]-23/[385]	0.5		2
51	Numerical Modeling of Tunable Liquid-Crystal-Polymer-Network Lens. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 489, 40/[366]-53/[379]	0.5		2
50	Liquid crystal inorganic hybrid photorefractives 2008 ,			2
49	Theoretical Analyses of the Electric Field Control of Focal Length in a Gradient Polymer Stabilized Liquid Crystal Lens. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 454, 187/[589]-200/[602]	0.5		2
48	Light-Induced Alignment of Liquid Crystals on Dye-Deposited Film. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 438, 67/[1631]-75/[1639]	0.5		2
47	Rayleigh-Gans theory of light scattering by liquid crystals filled with cylindrical particles. <i>Journal of Molecular Liquids</i> , 2001 , 92, 139-146	6		2
46	T-matrix Theory of Light Scattering by Uniformly Anisotropic Spherical Scatterers. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 375, 373-386	0.5		2
45	Light scattering by anisotropic spherical particles: Rayleigh-Gans approximation versus T-matrix theory 2002 , 4938, 164			2
44	Light-induced Fredericksz transition in a nematic liquid crystal with chiral dopant. <i>Liquid Crystals</i> , 1998 , 25, 95-100	2.3		2
43	NLC Orientational Instability in the Absorbed Light Wave Field with Spatially Modulated Intensity. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 261, 147-158			2
42	Influence of Anchoring Energy on Orientational Ordering and Phase Transition in Nematic Droplets in Polymer Matrix. <i>Molecular Crystals and Liquid Crystals</i> , 1992 , 222, 279-286			2
41	Ordinary Differential Equations and Calculus of Variations 1995 ,			2
40	Origin of oblique optical axis of electrically tunable focusing lenses arising from initial anisotropic molecular tilts under a symmetric electric field. I. <i>AIP Advances</i> , 2020 , 10, 095024	1.5		2
39	Modelling of director equilibrium states in a nematic cell with relief surface. <i>Liquid Crystals</i> , 2016 , 1-10	2.3		2

38	Optofluidic Platform Based on Liquid Crystals in X-Cut Lithium Niobate: Thresholdless All-Optical Response. <i>Crystals</i> , 2021 , 11, 908	2.3	2
37	Higher Order Bragg Reflection Colors in Polymer Stabilized Cholesteric Liquid Crystals. <i>Advanced Photonics Research</i> , 2021 , 1, 100112	1.9	2
36	Electro-optical effect in a planar nematic cell with electric field sensitive boundary conditions. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 647, 320-328	0.5	1
35	Two-wave energy exchange in photorefractive hybrid cell with bent-core liquid crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 646, 250-262	0.5	1
34	Electrical control of nanoparticles arrays created via topological defect lines design in anisotropic fluids. <i>Journal of Molecular Liquids</i> , 2018 , 267, 297-302	6	1
33	Theoretical modeling of photo-induced lens formation in a polymerizable matrix containing quantum dots. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2029	1.7	1
32	2019 ,		1
31	Hybrid organic-organic materials for photonic applications. <i>Optical Materials Express</i> , 2013 , 3, 1149	2.6	1
30	Spatially modulated structures in nematic colloids: Statistical thermodynamics and kinetics. <i>European Physical Journal E</i> , 2011 , 34, 33	1.5	1
29	Simulation of Photorefractive Effect in Thin Liquid Crystal Film. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 489, 204/[530]-213/[539]	0.5	1
28	Theoretical modeling of heterogeneous LC systems: nano-suspensions and polymer stabilized LC lens 2007 ,		1
27	Director profile in the in-plane switching of nematic liquid crystal cell with strong director anchoring 2004 ,		1
26	Director Profile in the In-Plane Switching of Nematic Liquid Crystals Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 422, 83-95	0.5	1
25	Thermal Optical Nonlinearity of Suspension of Absorbing Particles in Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 375, 411-421	0.5	1
24	Light-Controlled Rotation of the Light Polarization Plane in Weakly Twisted Nematics. <i>Molecular Crystals and Liquid Crystals</i> , 1995 , 261, 159-165		1
23	Confined photovoltaic fields in a photo-responsive liquid crystal test cell 2017 ,		1
22	Optical effects in liquid crystal cell with photosensitive chalcogenide glass substrate. <i>Molecular Crystals and Liquid Crystals</i> , 2020 , 696, 43-54	0.5	1
21	Flexo-elastic control factors of domain morphology in core-shell ferroelectric nanoparticles: Soft and rigid shells. <i>Acta Materialia</i> , 2021 , 212, 116889	8.4	1

20	Two beam energy exchange in hybrid liquid crystal cells with photorefractive field controlled boundary conditions. <i>AIP Advances</i> , 2016 , 6, 095207	1.5	1
19	Light-induced Soret effect and adsorption of nanocrystals in organic solvents. <i>European Physical Journal E</i> , 2016 , 39, 38	1.5	1
18	Tuning surface plasmons in graphene ribbons with liquid crystal layer 2016 ,		1
17	Flexoelectro-optic effect and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a short-pitch horizontal helix. <i>Physical Review E</i> , 2018 , 97, 062701	2.4	1
16	Electrically tunable polarization independent liquid crystal lenses based on orthogonally anisotropic orientations on adjacent micro-domains. <i>Optics Express</i> , 2021 , 29, 29215-29227	3.3	1
15	Director grating and two-beam energy exchange in a hybrid photorefractive cholesteric cell with a helicoidal polymer network. <i>Journal of Applied Physics</i> , 2020 , 127, 125502	2.5	
14	Interaction of electromagnetic waves in nematic waveguide. <i>Molecular Crystals and Liquid Crystals</i> , 2016 , 638, 1-16	0.5	
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