

Alexey Yu Bobrovsky

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optimization of the photo-orientation rate of an azobenzene-containing polymer based on a kinetic model of photoinduced ordering. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16690-16697.	2.8	1
2	Photonic properties of polymer-stabilized photosensitive cholesteric liquid crystal studied by combination of optical activity, transmission and fluorescence. <i>Liquid Crystals</i> , 2021, 48, 1339-1348.	2.2	5
3	Mechano-Optical Response of Novel Polymer Composites Based on Elastic Polyurethane Matrix Filled with Low-Molar-Mass Cholesteric Droplets. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100262.	3.6	12
4	Sign-alternating optical reorientation in nematic liquid crystals with low-molar-mass and polymeric absorbing bis-azobenzene dopants. <i>Journal of Molecular Liquids</i> , 2021, 339, 117141.	4.9	2
5	Terbium and europium aromatic carboxylates in the polystyrene matrix: The first metal-organic-based material for high-temperature thermometry. <i>Journal of Luminescence</i> , 2021, 239, 118400.	3.1	9
6	Eu-doped cholesteric mixtures with a highly thermosensitive circular polarization of luminescence. <i>Journal of Molecular Liquids</i> , 2021, 341, 117431.	4.9	2
7	Photo-orientation Processes in Liquid Crystalline Polymethacrylates with Side Azobenzene Groups Having Lateral Methyl Substituents. <i>Macromolecules</i> , 2021, 54, 10499-10509.	4.8	6
8	The effect of spacer and alkyl tail lengths on the photoorientation processes in amorphousized films of azobenzene-containing liquid crystalline polymethacrylates. <i>Liquid Crystals</i> , 2020, 47, 377-383.	2.2	15
9	Photocontrollable Photonic Crystals Based on Porous Silicon Filled with Photochromic Liquid Crystalline Mixture. <i>Advanced Optical Materials</i> , 2020, 8, 2001267.	7.3	17
10	ABERRATIONAL PATTERN DURING THE SELF-ACTION OF THE π -POLARIZED MODE OF LIGHT RADIATION IN NEMATIC LIQUID CRYSTALS. <i>Bulletin of the Lebedev Physics Institute</i> , 2020, 47, 149-155.	0.6	1
11	Photonic Crystals: Photocontrollable Photonic Crystals Based on Porous Silicon Filled with Photochromic Liquid Crystalline Mixture (<i>Advanced Optical Materials</i> 22/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070089.	7.3	0
12	Self-Assembling Behavior of Smart Nanocomposite System: Ferroelectric Liquid Crystal Confined by Stretched Porous Polyethylene Film. <i>Nanomaterials</i> , 2020, 10, 1498.	4.1	11
13	Laser-induced formation of "craters" and "hills" in azobenzene-containing polymethacrylate films. <i>Soft Matter</i> , 2020, 16, 5398-5405.	2.7	15
14	Phase Structure Recording in a Nematic Side-Chain Liquid-Crystalline Polymer. <i>Polymers</i> , 2020, 12, 356.	4.5	4
15	Photocontrollable liquid crystalline hybrid composites for photonics. , 2020, , .		0
16	Photocontrollable Deformations of Polymer Particles in Elastic Matrix. <i>Advanced Optical Materials</i> , 2019, 7, 1901486.	7.3	13
17	Photooptical Properties of Polymethacrylates Having Cyanoazobenzene-Containing Side Groups with Lateral Methyl Substituents and Different Spacer Length. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1337-1342.	2.1	5
18	The orientation order of liquid-crystalline polymer, measured by ESR and optical dichroism techniques. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 819-825.	2.1	6

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19	Dynamic Diffractive Patterns in Helix-Inverting Cholesteric Liquid Crystals. ACS Applied Materials & Interfaces, 2019, 11, 10895-10904.	8.0	24
20	Optical Fréedericksz transition and director field structure recording in dye-doped nematic liquid-crystalline polymer. Journal of Molecular Liquids, 2019, 276, 275-281.	4.9	4
21	Mesomorphic and structural properties of liquid crystalline side-chain polymethacrylates: from smectic C* to columnar phases. Liquid Crystals, 2019, 46, 825-834.	2.2	15
22	Cholesteric Liquid Crystal Materials for Tunable Diffractive Optics. Advanced Optical Materials, 2018, 6, 1800335.	7.3	160
23	Photo-Orientation Phenomena in Photochromic Liquid Crystalline Azobenzene-Containing Polymethacrylates with Different Spacer Length. Macromolecular Chemistry and Physics, 2017, 218, 1700127.	2.2	23
24	Direct Observation of Changes in Focal Conic Domains of Cholesteric Films Induced by Ultraviolet Irradiation. Journal of Physical Chemistry B, 2017, 121, 5407-5412.	2.6	10
25	Full-Polymer Cholesteric Composites for Transmission and Reflection Holographic Gratings. Advanced Optical Materials, 2017, 5, 1700314.	7.3	22
26	Liquid crystalline polymers: development trends and photocontrollable materials. Russian Chemical Reviews, 2017, 86, 1024-1072.	6.5	47
27	Microstructure and Optical Properties of Composites Consisting of Nanoporous Stretched Polypropylene Doped with Liquid Crystals and Quantum Dots at a High Concentration. Oriental Journal of Chemistry, 2016, 32, 2863-2872.	0.3	1
28	Azobenzene-containing LC polymethacrylates highly photosensitive in broad spectral range. Journal of Polymer Science Part A, 2016, 54, 2962-2970.	2.3	38
29	Synthesis, phase behaviour and photo-optical properties of bent-core methacrylate with azobenzene group and corresponding side-chain polymethacrylate. RSC Advances, 2016, 6, 65747-65755.	3.6	0
30	Scanning near-field optical nanotomography: a new method of multiparametric 3D investigation of nanostructural materials. Technical Physics Letters, 2016, 42, 171-174.	0.7	1
31	Light-induced orientation transition in nematic liquid crystalline polymer. Bulletin of the Lebedev Physics Institute, 2016, 43, 128-131.	0.6	5
32	Zernike filter based on orientational optical nonlinearity of liquid crystalline systems. Instruments and Experimental Techniques, 2016, 59, 562-564.	0.5	3
33	Cholesteric Polymer Scaffolds Filled with Azobenzene-Containing Nematic Mixture with Phototunable Optical Properties. ACS Applied Materials & Interfaces, 2016, 8, 27227-27235.	8.0	24
34	Quantum dot-polymer composites based on nanoporous polypropylene films with different draw ratios. European Polymer Journal, 2016, 82, 93-101.	5.4	13
35	Photoinduced Changes of Surface Topography in Amorphous, Liquid-Crystalline, and Crystalline Films of Bent-Core Azobenzene-Containing Substance. Journal of Physical Chemistry B, 2016, 120, 5073-5082.	2.6	12
36	Photo-optical properties of amorphous and crystalline films of azobenzene-containing photochromes with bent-shaped molecular structure. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 316, 75-87.	3.9	19

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37	Electroinduced Diffraction Gratings in Cholesteric Polymer with Phototunable Helix Pitch. <i>Advanced Optical Materials</i> , 2015, 3, 1462-1469.	7.3	25
38	Stable Selective Gratings in LC Polymer by Photoinduced Helix Pitch Modulation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2554-2560.	8.0	18
39	Photochromic and fluorescent LC gels based on a bent-shaped azobenzene-containing gelator. <i>RSC Advances</i> , 2015, 5, 56891-56895.	3.6	9
40	Polyethylene-based composites containing high concentration of quantum dots. <i>Colloid and Polymer Science</i> , 2015, 293, 1545-1551.	2.1	11
41	Rotatable Diffraction Gratings Based on Cholesteric Liquid Crystals with Phototunable Helix Pitch. <i>Advanced Optical Materials</i> , 2015, 3, 1273-1279.	7.3	84
42	Surface Relief Changes in Cholesteric Cyclosiloxane Oligomer Films at Different Temperatures. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12708-12713.	2.6	10
43	Orienting effect of light on dye-doped liquid-crystal polymer. <i>Bulletin of the Lebedev Physics Institute</i> , 2015, 42, 225-228.	0.6	6
44	Photochromic Composite for Random Lasing Based on Porous Polypropylene Infiltrated with Azobenzene-Containing Liquid Crystalline Mixture. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26595-26602.	8.0	12
45	The peculiarities of the photoorientation processes in azobenzene-containing liquid crystalline homo- and co-dendrimers. <i>Polymer</i> , 2015, 56, 263-270.	3.8	12
46	Polarization holographic grating recording in the cholesteric azobenzene-containing films with the phototunable helix pitch. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 773-781.	2.1	8
47	AFM study of laser-induced crater formation in films of azobenzene-containing photochromic nematic polymer and cholesteric mixture. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 275, 30-36.	3.9	17
48	An Effective Method for the Preparation of Stable LC Composites with High Concentration of Quantum Dots. <i>Advanced Optical Materials</i> , 2014, 2, 1167-1172.	7.3	19
49	Photochromic LC "polymer composites containing azobenzene chromophores with thermally stable Z-isomers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4482-4489.	5.5	20
50	Influence of the cation type on the DFB lasing performance of dye-doped azobenzene-containing polyelectrolytes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8546-8553.	5.5	11
51	Liquid Crystalline Azobenzene-Containing Polymer as a Matrix for Distributed Feedback Lasers. <i>ACS Photonics</i> , 2014, 1, 885-893.	6.6	13
52	New azobenzene-based chiral-photochromic substances with thermally stable Z-isomers and their use for the induction of a cholesteric mesophase with a phototunable helix pitch. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8622-8629.	5.5	18
53	Peculiarities and mechanism of surface topography changes in photochromic cholesteric oligomer-based films. <i>Colloid and Polymer Science</i> , 2014, 292, 1567-1575.	2.1	8
54	Combined Scanning Probe Nanotomography and Optical Microspectroscopy: A Correlative Technique for 3D Characterization of Nanomaterials. <i>ACS Nano</i> , 2013, 7, 8953-8962.	14.6	29

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55	Atomic force microscopy study of surface topography of films of cholesteric oligomer- and polymer-based mixtures with photovisible helix pitch. <i>Physical Review E</i> , 2013, 87, 012503.	2.1	19
56	High-resolution 3D structural and optical analyses of hybrid or composite materials by means of scanning probe microscopy combined with the ultramicrotome technique: an example of application to engineering of liquid crystals doped with fluorescent quantum dots. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
57	Effect of Molecular Structure on Chiro-Optical and Photo-Optical Properties of Smart Liquid Crystalline Polyacrylates. <i>Macromolecules</i> , 2013, 46, 4276-4284.	4.8	53
58	A novel generation of photoactive comb-shaped polyamides for the photoalignment of liquid crystals. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4031-4041.	2.3	17
59	Laser-induced holographic light scattering in a liquid-crystalline azobenzene-containing polymer. <i>Physical Review E</i> , 2012, 85, 011704.	2.1	5
60	Novel cholesteric materials doped with CdSe/ZnS quantum dots with photo- and electro-tunable circularly polarized emission. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
61	Features of Doubleâ€Spiral â€Valleyâ€Hillsâ€Surface Topography Formation in Photochromic Cholesteric Oligomerâ€Based Films and Their Changes Under Polarized Light Action. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2639-2646.	2.2	13
62	Polarised light-induced orientation and reorientation processes and unexpected â€memory effectâ€™ in side-chain azobenzene-containing LC polymers. <i>Liquid Crystals</i> , 2012, 39, 339-345.	2.2	23
63	Optically and Electrically Controlled Circularly Polarized Emission from Cholesteric Liquid Crystal Materials Doped with Semiconductor Quantum Dots. <i>Advanced Materials</i> , 2012, 24, 6216-6222.	21.0	78
64	A Novel Type of Crown Etherâ€Containing Metal Ions Optical Sensors Based on Polymerâ€Stabilized Cholesteric Liquid Crystalline Films. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1875-1881.	3.9	29
65	Porous structure, permeability, and mechanical properties of polyolefin microporous films. <i>Physics of the Solid State</i> , 2012, 54, 1907-1916.	0.6	33
66	Dual photorecording on cholesteric azobenzene-containing LC polymer films using helix pitch phototuning and holographic grating recording. <i>Journal of Materials Chemistry</i> , 2012, 22, 6245.	6.7	29
67	Order Parameters $\langle P^2 \rangle$, $\langle P^4 \rangle$, and $\langle P^6 \rangle$ of Aligned Nematic Liquid-Crystalline Polymer As Determined by Numerical Simulation of Electron Paramagnetic Resonance Spectra. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6010-6016.	2.6	34
68	Novel Generation of Liquid Crystalline Photoâ€Actuators Based on Stretched Porous Polyethylene Films. <i>Macromolecular Rapid Communications</i> , 2012, 33, 991-997.	3.9	39
69	Glass-forming photoactive cholesteric oligomers doped with quantum dots: novel materials with phototunable circularly polarised emission. <i>Liquid Crystals</i> , 2011, 38, 737-742.	2.2	23
70	Crownâ€Ether and azobenzeneâ€containing liquid crystalline polymers: An influence of macromolecular architecture on optical properties and photoâ€orientation processes. <i>Journal of Polymer Science Part A</i> , 2011, 49, 625-633.	2.3	4
71	Effect of Molecular Structure and Thermal Treatment on Photoâ€Optical Properties of Photochromic Azobenzeneâ€containing Polymer Films. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 342-352.	2.2	35
72	Liquid crystals photoalignment by films of side-chain azobenzene-containing polymers with different molecular structure. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 218, 137-142.	3.9	29

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73	Fluorescent and photooptical properties of H-bonded LC composites based on stilbazole derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 22-29.	3.9	6
74	Photochromic azobenzene functionalised banana-like calamitic dimers and trimers: mesophase behaviour and photo-orientational phenomena. <i>Liquid Crystals</i> , 2011, 38, 1531-1550.	2.2	48
75	Gel formation and photoactive properties of azobenzene-containing polymer in liquid crystal mixture. <i>Colloid and Polymer Science</i> , 2010, 288, 1375-1384.	2.1	22
76	Photochromic composites based on porous stretched polyethylene filled by nematic liquid crystal mixtures. <i>Polymers for Advanced Technologies</i> , 2010, 21, 100-112.	3.2	13
77	Ferroelectric liquid crystal composites based on the porous stretched polyethylene films. <i>Liquid Crystals</i> , 2010, 37, 517-525.	2.2	5
78	Chiroptical and photooptical properties of a novel side-chain azobenzene-containing LC polymer. <i>Monatshefte für Chemie</i> , 2009, 140, 789-799.	1.8	18
79	Ordering phenomena and photoorientation processes in photochromic thin films of LC chiral azobenzene-containing polymer systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 206, 46-52.	3.9	24
80	Interaction of light with a NLC dendrimer system. <i>Liquid Crystals</i> , 2009, 36, 101-107.	2.2	17
81	Photoinduced phase transitions and helix untwisting in the SmC* phase of a novel cinnamoyl-based liquid crystal. <i>Liquid Crystals</i> , 2009, 36, 989-997.	2.2	9
82	Novel type of combined photopatternable and electro-switchable polymer-stabilized cholesteric materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 366-372.	6.7	28
83	Photoorientation in hydrogen-bonded blends of liquid-crystalline polymers with a low-molecular photochromic dopant. <i>Russian Chemical Bulletin</i> , 2008, 57, 330-336.	1.5	3
84	Photochromic LC copolymers containing azobenzene and crown ether groups. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6532-6541.	2.3	18
85	New photosensitive polymer composites based on oriented porous polyethylene filled with azobenzene-containing LC mixture: reversible photomodulation of dichroism and birefringence. <i>Liquid Crystals</i> , 2008, 35, 533-539.	2.2	38
86	Photopatternable fluorescent polymer composites based on stretched porous polyethylene and photopolymerizable liquid crystal mixture. <i>Journal of Materials Chemistry</i> , 2008, 18, 691.	6.7	21
87	Comparative study of holographic recording in cholesteric and nematic azo-containing side-chain polymers. <i>Liquid Crystals</i> , 2007, 34, 1-7.	2.2	15
88	Photooptical properties and photoorientation phenomena in an immiscible blend of cholesteric copolymer with azobenzene-containing polymer. <i>Liquid Crystals</i> , 2007, 34, 411-419.	2.2	3
89	Photooptical properties of polymer composites based on stretched porous polyethylene filled with photoactive cholesteric liquid crystal. <i>Liquid Crystals</i> , 2007, 34, 791-797.	2.2	9
90	Photochromic liquid-crystalline copolymers containing crown ether groups. <i>Russian Chemical Bulletin</i> , 2007, 56, 2414-2425.	1.5	3

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91	Photo-optical properties of photopolymerizable cholesteric compositions. <i>Colloid and Polymer Science</i> , 2007, 285, 681-686.	2.1	5
92	Cholesteric Polymer Guest-Host Mixture with Circularly Polarized Fluorescence: Two Ways for Phototuning of Polarization and Its Intensity. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2331-2336.	2.5	14
93	Kinetics of Helix Untwisting in Photosensitive Cholesteric Polymer Mixtures: Influence of Molecular Mass and Ordered Phase Formation. <i>Macromolecules</i> , 2006, 39, 6367-6370.	4.8	5
94	A study of photooptical processes in photosensitive cholesteric azobenzene-containing polymer mixture under an action of the polarized and nonpolarized light. <i>Polymer</i> , 2006, 47, 4310-4317.	3.8	44
95	A Study of the Photoorientation Phenomena in Cholesteric Polymer Systems Containing Photochromic Diarylethene Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 770-778.	2.2	7
96	First energy transfer in cholesteric mixtures: a new type of phototunable fluorescent material. <i>Liquid Crystals</i> , 2006, 33, 907-912.	2.2	1
97	Thermo-, chiro- and photo-optical properties of cholesteric azobenzene-containing copolymer in thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 140-145.	3.9	23
98	A Combination of Selective Light Reflection and Fluorescence Modulation in a Cholesteric Polymer Matrix. <i>Macromolecular Rapid Communications</i> , 2005, 26, 177-182.	3.9	15
99	Glass-forming cholesteric mixtures with photosensitive anthracene-containing fluorescent dopants. <i>Liquid Crystals</i> , 2005, 32, 691-697.	2.2	7
100	Light controllable tuning and switching of lasing in chiral liquid crystals. <i>Optics Express</i> , 2005, 13, 2358.	3.4	81
101	Photoinduced textural and optical changes in a cholesteric copolymer with azobenzene-containing side groups. <i>Liquid Crystals</i> , 2004, 31, 351-359.	2.2	13
102	Unexpected photoinduced phenomena in chiral photochromic cholesteric copolymers with a triplet sensitizer. <i>Colloid and Polymer Science</i> , 2004, 282, 416-422.	2.1	0
103	Comparative study of photoorientation phenomena in photosensitive azobenzene-containing homopolymers and copolymers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 347-358.	3.9	55
104	Cholesteric Mixtures with Photochemically Tunable, Circularly Polarized Fluorescence. <i>Advanced Materials</i> , 2003, 15, 282-287.	21.0	64
105	Photoactive liquid crystalline polymer systems with light-controllable structure and optical properties. <i>Progress in Polymer Science</i> , 2003, 28, 729-836.	24.7	410
106	Light-responsive chiral photochromic liquid crystalline polymer systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 155, 3-19.	3.9	46
107	Photo-optical behaviour of a photosensitive chiral nematic copolymer and mixtures containing non-chiral photoactive azobenzene groups. <i>Liquid Crystals</i> , 2003, 30, 671-680.	2.2	13
108	Cholesteric copolymers and mixtures containing dithienylethene photochromic fragments. <i>E-Polymers</i> , 2003, 3, .	3.0	0

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109	Photochemical and Photoorientational Behavior of Liquid Crystalline Carbosilane Dendrimer with Azobenzene Terminal Groups. <i>Journal of Physical Chemistry B</i> , 2002, 106, 540-546.	2.6	69
110	Immiscible blend of cholesteric copolymers as a new type of material with photoregulated optical properties. <i>Journal of Materials Chemistry</i> , 2002, 12, 1284-1287.	6.7	8
111	Photo-orientation phenomena in photosensitive chiral nematic copolymers. <i>Liquid Crystals</i> , 2002, 29, 1469-1476.	2.2	10
112	Photochemistry and photoorientational phenomena in carbosilane dendrimers with terminal azobenzene groups. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1539-1546.	2.2	26
113	Chiral Nematic Polymer Mixture Containing Crosslinker and Photosensitive Chiral Dopant: New Type of Materials with Tunable Photo-Optical Properties. <i>Advanced Functional Materials</i> , 2002, 12, 367.	14.9	51
114	Cholesteric mixture containing chiral-photochromic and diarylethene dopants as novel material with dual photochromism. <i>Polymers for Advanced Technologies</i> , 2002, 13, 595-600.	3.2	10
115	Photosensitive cholesteric polymers with azobenzene-containing chiral groups and mixtures of cholesteric copolymer with chiral-photochromic dopants. <i>Liquid Crystals</i> , 2001, 28, 919-931.	2.2	27
116	New Chiral-Photochromic Dopant with Variable Helical Twisting Power and its use in Photosensitive Cholesteric Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 363, 35-50.	0.3	50
117	Mixture of cholesteric copolymer with dithienylethene photochromic dopant: a new material combining optical properties of cholesterics with photochromism. <i>Journal of Materials Chemistry</i> , 2001, 11, 2004-2007.	6.7	13
118	First Photosensitive Liquid Crystalline Dendrimer: Synthesis, Phase Behavior, and Photochemical Properties. <i>Chemistry of Materials</i> , 2001, 13, 1447-1452.	6.7	53
119	Chiral Nematic Copolymers with Photoreversible and Irreversible Changing of Helical Supramolecular Structure Pitch. <i>Chemistry of Materials</i> , 2001, 13, 1998-2001.	6.7	24
120	Light-Controllable Chiral Photochromic Multifunctional Liquid Crystal Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2001, 709, 1.	0.1	0
121	Photoactive Cholesteric Polymeric Material With Dual Photochromism. <i>Materials Research Society Symposia Proceedings</i> , 2001, 709, 1.	0.1	0
122	New types of multifunctional liquid crystalline photochromic copolymers for optical data recording and storage. <i>Macromolecular Symposia</i> , 2001, 174, 319-332.	0.7	10
123	Dual photochromism of copolymers containing two different types of photoisomerizable side groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 138, 261-267.	3.9	10
124	New Variants of Photosensitive Polymeric Mixtures: Reversible and Irreversible Photoregulation of Helical Supramolecular Structure. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2895-2901.	2.2	7
125	Field-responsive chiral-photochromic side-chain liquid-crystalline polymers. <i>Polymer International</i> , 2000, 49, 931-936.	3.1	15
126	New Chiral Nematic Materials with Photovisible Helical Supramolecular Structure for Reversible Optical Data Recording. <i>Advanced Materials</i> , 2000, 12, 1180-1183.	21.0	65

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127	Induction of a chiral nematic phase in smectic polymers. <i>Colloid and Polymer Science</i> , 2000, 278, 671-676.	2.1	11
128	A comparative study of photo-optical behaviour of photosensitive chiral copolymers with cholesteric mesophases induced in nematogenic and smectogenic matrices. <i>Liquid Crystals</i> , 2000, 27, 1097-1101.	2.2	0
129	Photosensitive cholesteric copolymers with spiropyran-containing side groups II. Kinetic features of the photo- and thermo-chromic processes. <i>Liquid Crystals</i> , 2000, 27, 219-223.	2.2	8
130	New Principle of Optical Data Recording Based on Reversible Transition "Selective Reflection" Absorbance in Photochromic Cholesteric Copolymers. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 352, 429-437.	0.3	2
131	Photosensitive cholesteric copolymers with spiropyran-containing side groups I. Phase behaviour and photo-optical properties. <i>Liquid Crystals</i> , 2000, 27, 57-62.	2.2	19
132	Cholesteric mixture containing a chiral azobenzene-based dopant: material with reversible photoswitching of the pitch of the helix. <i>Liquid Crystals</i> , 2000, 27, 1381-1387.	2.2	19
133	A new type of multifunctional material based on dual photochromism of ternary chiral photochromic liquid crystalline copolymers for optical data recording and storage. <i>Journal of Materials Chemistry</i> , 2000, 10, 1075-1081.	6.7	33
134	Photosensitive Cholesteric Copolymers with Spiropyran-Containing Side Groups: Novel Materials for Optical Data Recording. <i>Advanced Materials</i> , 1999, 11, 1025-1028.	21.0	74
135	Cholesteric mesophase of the hydrogen-bonded blends of liquid crystalline ionogenic copolymers with a low molecular weight chiral dopant. <i>Journal of Polymer Science Part A</i> , 1999, 37, 3215-3225.	2.3	15
136	New Type of Chiral Photochromic Liquid Crystal Polymers for Colour Photo-Optical Recording. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 173-180.	0.3	6
137	Induction of the cholesteric mesophase in hydrogen-bonded blends of polymers with a low molecular mass chiral dopant. <i>Liquid Crystals</i> , 1999, 26, 581-587.	2.2	40
138	New chiral photochromic menthone-containing homopolymers and copolymers - synthesis, phase behaviour and photo-optical properties. <i>Liquid Crystals</i> , 1999, 26, 1749-1765.	2.2	43
139	Chiral mesophases of new menthyl containing copolymers. <i>Ferroelectrics</i> , 1998, 212, 387-394.	0.6	6
140	Phase diagrams and optical properties of new menthyl-containing LC copolymers forming chiral mesophases. <i>Liquid Crystals</i> , 1998, 24, 489-500.	2.2	41
141	Photochromism in mixtures of liquid crystalline chiral copolymers with a photosensitive chiral dopant. <i>Liquid Crystals</i> , 1998, 25, 679-687.	2.2	50
142	The Induced SPhase in New Menthyl-Containing Copolymers. <i>Macromolecules</i> , 1998, 31, 5800-5804.	4.8	17
143	Photo-optical properties of new combined chiral photochromic liquid crystalline copolymers. <i>Liquid Crystals</i> , 1998, 25, 393-401.	2.2	45
144	Novel atropisomeric binaphthyl-containing liquid crystalline copolymers forming chiral nematic phases. <i>Liquid Crystals</i> , 1997, 22, 451-457.	2.2	3

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145	Novel atropisomeric binaphthol containing comb-shaped copolymers forming chiral nematic phases. Polymer Engineering and Science, 1997, 37, 945-951.	3.1	2
146	Liquid crystalline carbosilane dendrimers: First generation. Liquid Crystals, 1996, 21, 1-12.	2.2	154
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148	The smectogenity as a crucial factor of broadening of the selective light reflection peak in cholesteric photopolymerizable mixtures. Liquid Crystals, 0, , 1-7.	2.2	5