Natalia I Boiko

List of Publications by Year
in descending order

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38	853	687363 13	477307 29
papers	citations	h-index	g-index

38	38	38	815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoactive liquid crystalline polymer systems with light-controllable structure and optical properties. Progress in Polymer Science, 2003, 28, 729-836.	24.7	410
2	Photosensitive Cholesteric Copolymers with Spiropyran-Containing Side Groups: Novel Materials for Optical Data Recording. Advanced Materials, 1999, 11, 1025-1028.	21.0	74
3	New Chiral-Photochromic Dopant with Variable Helical Twisting Power and its use in Photosensitive Cholesteric Materials. Molecular Crystals and Liquid Crystals, 2001, 363, 35-50.	0.3	50
4	A new type of multifunctional material based on dual photochromism of ternary chiral photochromic liquid crystalline copolymers for optical data recording and storage. Journal of Materials Chemistry, 2000, 10, 1075-1081.	6.7	33
5	Photochemistry and photoorientational phenomena in carbosilane dendrimers with terminal azobenzene groups. Macromolecular Chemistry and Physics, 2002, 203, 1539-1546.	2.2	26
6	Chiral Nematic Copolymers with Photoreversible and Irreversible Changing of Helical Supramolecular Structure Pitch. Chemistry of Materials, 2001, 13, 1998-2001.	6.7	24
7	New carbosilane ferroelectric liquid crystalline dendrimers. Ferroelectrics, 2000, 243, 59-66.	0.6	20
8	Field-responsive chiral-photochromic side-chain liquid-crystalline polymers. Polymer International, 2000, 49, 931-936.	3.1	15
9	Cholesteric Polymer Liquid Crystals and their Optical Properties. International Journal of Polymeric Materials and Polymeric Biomaterials, 2000, 45, 533-583.	3.4	15
10	A Combination of Selective Light Reflection and Fluorescence Modulation in a Cholesteric Polymer Matrix. Macromolecular Rapid Communications, 2005, 26, 177-182.	3.9	15
11	Synthesis, Phase Behaviour and Structure of Liquid Crystalline Carbosilane Dendrimers with Methoxyphenyl Benzoate Terminal Mesogenic Groups. Molecular Crystals and Liquid Crystals, 1999, 332, 43-50.	0.3	14
12	Liquid Crystalline Carbosilane Dendrimers with Terminal Phenyl Benzoate Mesogenic Groups: Influence of Generation Number on Phase Behaviour. Molecular Crystals and Liquid Crystals, 2001, 364, 93-100.	0.3	14
13	Photoinduced textural and optical changes in a cholesteric copolymer with azobenzene-containing side groups. Liquid Crystals, 2004, 31, 351-359.	2.2	13
14	Liquid crystalline block copolymers as adaptive agents for compatibility between CdSe/ZnS quantum dots and low-molecular-weight liquid crystals. Journal of Materials Chemistry C, 2019, 7, 4326-4331.	5.5	13
15	The peculiarities of the photoorientation processes in azobenzene-containing liquid crystalline homo- and co-dendrimers. Polymer, 2015, 56, 263-270.	3.8	12
16	New types of multifunctional liquid crystalline photochromic copolymers for optical data recording and storage. Macromolecular Symposia, 2001, 174, 319-332.	0.7	10
17	New Carbosilane Ferroelectric Liquid Crystalline Dendrimers. Molecular Crystals and Liquid Crystals, 2000, 352, 343-350.	0.3	9
18	Polarization Gratings in Azobenzeneâ€Based Fully Liquid Crystalline Triblock Copolymer. Macromolecular Rapid Communications, 2019, 40, 1900412.	3.9	8

#	Article	IF	Citations
19	Unexpected Temperature Behavior of Polyethylene Glycol Spacers in Copolymer Dendrimers in Chloroform. Scientific Reports, 2016, 6, 24270.	3.3	8
20	Glassâ€forming cholesteric mixtures with photosensitive anthraceneâ€containing fluorescent dopants. Liquid Crystals, 2005, 32, 691-697.	2.2	7
21	A Study of the Photoorientation Phenomena in Cholesteric Polymer Systems Containing Photochromic Diarylethene Derivatives. Macromolecular Chemistry and Physics, 2006, 207, 770-778.	2.2	7
22	Azobenzene-containing liquid crystalline block copolymer supramolecular complexes as a platform for photopatternable colorless materials. Journal of Materials Chemistry C, 2020, 8, 1225-1230.	5.5	7
23	Hybrid fluorescent liquid crystalline composites: directed assembly of quantum dots in liquid crystalline block copolymer matrices. RSC Advances, 2020, 10, 15264-15273.	3.6	7
24	Chiral mesophases of new menthyl containing copolymers. Ferroelectrics, 1998, 212, 387-394.	0.6	6
25	New Type of Chiral Photochromic Liquid Crystal Polymers for Colour Photo-Optical Recording. Molecular Crystals and Liquid Crystals, 1999, 332, 173-180.	0.3	6
26	Kinetics of Helix Untwisting in Photosensitive Cholesteric Polymer Mixtures:Â Influence of Molecular Mass and Ordered Phase Formation. Macromolecules, 2006, 39, 6367-6370.	4.8	5
27	Synthesis and physical behavior of amphiphilic dendrimers with layered organization of hydrophilic and hydrophobic blocks. Colloid and Polymer Science, 2013, 291, 927-936.	2.1	5
28	Functionally integrated liquid crystalline photochromic triple block copolymer with locally lightâ€• and thermalâ€controllable subâ€blocks. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1602-1611.	2.1	5
29	Phase Structure Recording in a Nematic Side-Chain Liquid-Crystalline Polymer. Polymers, 2020, 12, 356.	4.5	4
30	Photopatterning of Azobenzeneâ€Containing Liquid Crystalline Triblock Copolymers: Lightâ€Induced Anisotropy and Photostabilization. Macromolecular Rapid Communications, 2020, 41, e2000384.	3.9	3
31	New Principle of Optical Data Recording Based on Reversible Transition â€œSelective Reflectionâ€”Absorbanceâ€•in Photochromic Cholesteric Copolymers. Molecular Crystals and Liquid Crystals, 2000, 352, 429-437.	0.3	2
32	Unusual electro-optical behaviour of the nematic polyacrylate. Liquid Crystals, 0, , 1-7.	2.2	2
33	Fluorescent thermostable crosslinked poly(dodecylmethacrylate) composites based on porous polyethylene and CdSe/ZnS quantum dots. Polymer International, 2018, 67, 1275-1281.	3.1	2
34	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1992, 13, 587-591.	1.1	1
35	Hybrid fluorescent cholesteric materials with controllable light emission containing CdSe/ZnS quantum dots stabilized by liquid crystalline block copolymer. Optical Materials Express, 2021, 11, 1842.	3.0	1
36	Light-Controllable Chiral Photochromic Multifunctional Liquid Crystal Polymers. Materials Research Society Symposia Proceedings, 2001, 709, 1.	0.1	0

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37	Photoactive Cholesteric Polymeric Material With Dual Photochromism. Materials Research Society Symposia Proceedings, 2001, 709, 1.	0.1	0
38	Cholesteric copolymers and mixtures containing dithienylethene photochromic fragments. E-Polymers, 2003, 3, .	3.0	0