

# Natalia I Boiko

## List of Publications by Year in descending order

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38  
papers

853  
citations

687363

13  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

815  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid fluorescent cholesteric materials with controllable light emission containing CdSe/ZnS quantum dots stabilized by liquid crystalline block copolymer. <i>Optical Materials Express</i> , 2021, 11, 1842.	3.0	1
2	Azobenzene-containing liquid crystalline block copolymer supramolecular complexes as a platform for photopatternable colorless materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1225-1230.	5.5	7
3	Photopatterning of Azobenzene-Containing Liquid Crystalline Triblock Copolymers: Light-Induced Anisotropy and Photostabilization. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000384.	3.9	3
4	Phase Structure Recording in a Nematic Side-Chain Liquid-Crystalline Polymer. <i>Polymers</i> , 2020, 12, 356.	4.5	4
5	Hybrid fluorescent liquid crystalline composites: directed assembly of quantum dots in liquid crystalline block copolymer matrices. <i>RSC Advances</i> , 2020, 10, 15264-15273.	3.6	7
6	Polarization Gratings in Azobenzene-Based Fully Liquid Crystalline Triblock Copolymer. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900412.	3.9	8
7	Liquid crystalline block copolymers as adaptive agents for compatibility between CdSe/ZnS quantum dots and low-molecular-weight liquid crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4326-4331.	5.5	13
8	Fluorescent thermostable crosslinked poly(dodecylmethacrylate) composites based on porous polyethylene and CdSe/ZnS quantum dots. <i>Polymer International</i> , 2018, 67, 1275-1281.	3.1	2
9	Functionally integrated liquid crystalline photochromic triple block copolymer with locally light- and thermal-controllable sub-blocks. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1602-1611.	2.1	5
10	Unexpected Temperature Behavior of Polyethylene Glycol Spacers in Copolymer Dendrimers in Chloroform. <i>Scientific Reports</i> , 2016, 6, 24270.	3.3	8
11	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
12	Synthesis and physical behavior of amphiphilic dendrimers with layered organization of hydrophilic and hydrophobic blocks. <i>Colloid and Polymer Science</i> , 2013, 291, 927-936.	2.1	5
13	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
14	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
15	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
16	Glass-forming cholesteric mixtures with photosensitive anthracene-containing fluorescent dopants. <i>Liquid Crystals</i> , 2005, 32, 691-697.	2.2	7
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Cholesteric copolymers and mixtures containing dithienylethene photochromic fragments. <i>E-Polymers</i> , 2003, 3, .	3.0	0
20	Photochemistry and photoorientational phenomena in carbosilane dendrimers with terminal azobenzene groups. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1539-1546.	2.2	26
21	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
22	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
23	Light-Controllable Chiral Photochromic Multifunctional Liquid Crystal Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2001, 709, 1.	0.1	0
24	Photoactive Cholesteric Polymeric Material With Dual Photochromism. <i>Materials Research Society Symposia Proceedings</i> , 2001, 709, 1.	0.1	0
25	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
26	Liquid Crystalline Carbosilane Dendrimers with Terminal Phenyl Benzoate Mesogenic Groups: Influence of Generation Number on Phase Behaviour. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 364, 93-100.	0.3	14
27	Field-responsive chiral-photochromic side-chain liquid-crystalline polymers. <i>Polymer International</i> , 2000, 49, 931-936.	3.1	15
28	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
29	New Carbosilane Ferroelectric Liquid Crystalline Dendrimers. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 352, 343-350.	0.3	9
30	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
31	New carbosilane ferroelectric liquid crystalline dendrimers. <i>Ferroelectrics</i> , 2000, 243, 59-66.	0.6	20
32	Cholesteric Polymer Liquid Crystals and their Optical Properties. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2000, 45, 533-583.	3.4	15
33	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
34	Synthesis, Phase Behaviour and Structure of Liquid Crystalline Carbosilane Dendrimers with Methoxyphenyl Benzoate Terminal Mesogenic Groups. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 332, 43-50.	0.3	14
35	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
36	Chiral mesophases of new menthyl containing copolymers. <i>Ferroelectrics</i> , 1998, 212, 387-394.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1992, 13, 587-591.	1.1	1
38	Unusual electro-optical behaviour of the nematic polyacrylate. Liquid Crystals, 0, , 1-7.	2.2	2