Vera Hamplova

List of Publications by Year in descending order

199 papers	3,436 citations	136740 32 h-index	253896 43 g-index
199 all docs	199 docs citations	199 times ranked	1527 citing authors

#	Article	IF	Citations
1	Self-assembling discotic materials with low symmetry for organic photovoltaics. Journal of Molecular Liquids, 2022, 354, 118868.	2.3	6
2	Enantioselective highâ€performance liquid chromatography of arylâ€substituted oxazolines as an efficient tool for determination of chiral purity of serine medicinal components. Journal of Separation Science, 2022, 45, 2217-2227.	1.3	2
3	Effective control of optical purity by chiral HPLC separation for ester-based liquid crystalline materials forming anticlinic smectic phases. Liquid Crystals, 2021, 48, 43-53.	0.9	11
4	Design and Self-Assembling Behaviour of Calamitic Reactive Mesogens with Lateral Methyl and Methoxy Substituents and Vinyl Terminal Group. Polymers, 2021, 13, 2156.	2.0	2
5	Multichiral liquid crystals based on terphenyl core laterally substituted by chlorine atom. Journal of Molecular Liquids, 2021, 336, 116267.	2.3	3
6	Defect Structures of Magnetic Nanoparticles in Smectic A Liquid Crystals. Molecules, 2021, 26, 5717.	1.7	1
7	Sign-alternating optical reorientation in nematic liquid crystals with low-molar-mass and polymeric absorbing bis-azobenzene dopants. Journal of Molecular Liquids, 2021, 339, 117141.	2.3	2
8	The cholesteric and TGB phases under the applied electric field. Liquid Crystals, 2021, 48, 1283-1294.	0.9	4
9	Photo-orientation Processes in Liquid Crystalline Polymethacrylates with Side Azobenzene Groups Having Lateral Methyl Substituents. Macromolecules, 2021, 54, 10499-10509.	2.2	6
10	Ultra-short helix pitch and spiral ordering in cholesteric liquid crystal revealed by resonant soft X-ray scattering. Soft Matter, 2021, 18, 89-96.	1.2	3
11	Lateral Substitution as Effective Tool for Tuning Self-Organising Behaviour of Chiral Mesogens. Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie, 2021, 21, 23-36.	0.0	0
12	Mesomorphic, structural, electro-optic and dynamic properties of lactic acid derivative and its selectively deuterated isotopomers by means of electro-optics, SAXS, 2H-NMR and neutron spin-echo spectroscopy. Liquid Crystals, 2020, 47, 1999-2015.	0.9	7
13	The effect of spacer and alkyl tail lengths on the photoorientation processes in amorphousized films of azobenzene-containing liquid crystalline polymethacrylates. Liquid Crystals, 2020, 47, 377-383.	0.9	15
14	Photocontrollable Photonic Crystals Based on Porous Silicon Filled with Photochromic Liquid Crystalline Mixture. Advanced Optical Materials, 2020, 8, 2001267.	3.6	17
15	Photosensitive Bent-Core Compounds with Azo-Group Attached to the Central Ring. Crystals, 2020, 10, 1030.	1.0	2
16	Photonic Crystals: Photocontrollable Photonic Crystals Based on Porous Silicon Filled with Photochromic Liquid Crystalline Mixture (Advanced Optical Materials 22/2020). Advanced Optical Materials, 2020, 8, 2070089.	3.6	0
17	Self-Assembling Behavior of Smart Nanocomposite System: Ferroelectric Liquid Crystal Confined by Stretched Porous Polyethylene Film. Nanomaterials, 2020, 10, 1498.	1.9	11
18	Laser-induced formation of â€œcratersâ€•and â€œhillsâ€•in azobenzene-containing polymethacrylate films. Soft Matter, 2020, 16, 5398-5405.	1.2	15

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19	Mesomorphic properties of lactic acid derivatives and their racemic mixtures in comparison with analogous non-chiral compounds. Liquid Crystals, 2020, 47, 1516-1527.	0.9	6
20	Self-assembling behaviour of new functional photosensitive cinnamoyl-based reactive mesogens. Liquid Crystals, 2020, 47, 2276-2291.	0.9	19
21	Electrically switchable birefringent self-assembled nanocomposites: ferroelectric liquid crystal doped with the multiwall carbon nanotubes. Liquid Crystals, 2020, 47, 1379-1389.	0.9	34
22	Silver Nanoparticles with Liquid Crystalline Ligands Based on Lactic Acid Derivatives. Nanomaterials, 2019, 9, 1066.	1.9	3
23	Photooptical Properties of Polymethacrylates Having Cyanoazobenzeneâ€Containing Side Groups with Lateral Methyl Substituents and Different Spacer Length. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1337-1342.	2.4	5
24	Dielectric Properties of Chiral Ferroelectric Liquid Crystalline Compounds with Three Aromatic Rings Connected by Ester Groups. Crystals, 2019, 9, 473.	1.0	9
25	Organic nanotubes created from mesogenic derivatives. Nanoscale Advances, 2019, 1, 2835-2839.	2.2	19
26	Effect of molecular structure on dielectric and electro-optic properties of chiral liquid crystals based on lactic acid derivatives. Journal of Molecular Liquids, 2019, 283, 472-481.	2.3	28
27	New smectogens with (S)-2-methylbutyl lactate group in the terminal chain and chlorine-substituted molecular core. Liquid Crystals, 2019, 46, 1035-1042.	0.9	10
28	Mesomorphic and structural properties of liquid crystalline side-chain polymethacrylates: from smectic C* to columnar phases. Liquid Crystals, 2019, 46, 825-834.	0.9	15
29	Effect of lactate group in the chiral chain of new compounds exhibiting short-pitch cholesteric or TGBA phase. Liquid Crystals, 2018, 45, 1155-1163.	0.9	17
30	Effect of the applied electric field on new cholesterics with extremely short pitch. Liquid Crystals, 2018, 45, 634-640.	0.9	10
31	Design of calamitic self-assembling reactive mesogenic units: mesomorphic behaviour and rheological characterisation. Liquid Crystals, 2018, 45, 561-573.	0.9	7
32	Design of polar self-assembling lactic acid derivatives possessing submicrometre helical pitch. Beilstein Journal of Nanotechnology, 2018, 9, 333-341.	1.5	28
33	Influence of photoinduced isomerization on the chiral separation of novel liquid crystalline materials with a diazene moiety. Journal of Separation Science, 2018, 41, 3034-3041.	1.3	7
34	Chiral separation of novel diazenes on a polysaccharide-based stationary phase in the reversed-phase mode. Journal of Separation Science, 2017, 40, 1465-1469.	1.3	18
35	Photo-Orientation Phenomena in Photochromic Liquid Crystalline Azobenzene-Containing Polymethacrylates with Different Spacer Length. Macromolecular Chemistry and Physics, 2017, 218, 1700127.	1.1	23
36	Azobenzeneâ€containing LC polymethacrylates highly photosensitive in broad spectral range. Journal of Polymer Science Part A, 2016, 54, 2962-2970.	2.5	38

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37	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.	1.7	0
38	Tuning the phase diagrams: the miscibility studies of multilactate liquid crystalline compounds. Phase Transitions, 2016, 89, 885-893.	0.6	21
39	Chiral HPLC and physical characterisation of orthoconic antiferroelectric liquid crystals. Liquid Crystals, 2016, 43, 1244-1250.	0.9	12
40	Lactic acid derivatives with terphenyl molecular core. Liquid Crystals, 2016, 43, 1251-1258.	0.9	11
41	Photosensitive chiral self-assembling materials: significant effects of small lateral substituents. Journal of Materials Chemistry C, 2016, 4, 5326-5333.	2.7	53
42	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.	1.2	12
43	Photosensitive self-assembling materials as functional dopants for organic photovoltaic cells. RSC Advances, 2016, 6, 11577-11590.	1.7	57
44	Eutectic behaviour of binary mixtures composed of two isomeric lactic acid derivatives. Ferroelectrics, 2016, 495, 105-115.	0.3	20
45	¹H NMR relaxometry in the TGBA* and TGBC* phases. Ferroelectrics, 2016, 495, 17-27.	0.3	6
46	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.	2.0	19
47	A new approach to the chiral separation of novel diazenes. Journal of Separation Science, 2015, 38, 4211-4215.	1.3	9
48	Unique effect of an electric field on a new liquid crystalline lactic acid derivative. Soft Matter, 2015, 11, 4649-4657.	1.2	13
49	Chiral smectogens with four-phenyl-ring molecular core, laterally substituted by iodine atom. Liquid Crystals, 2015, 42, 404-411.	0.9	10
50	Self-assembling properties of lactic acid derivative with several ester linkages in the molecular core. Phase Transitions, 2015, 88, 745-757.	0.6	11
51	Photochromic and fluorescent LC gels based on a bent-shaped azobenzene-containing gelator. RSC Advances, 2015, 5, 56891-56895.	1.7	9
52	AFM study of advanced composite materials for organic photovoltaic cells with active layer based on P3HT:PCBM and chiral photosensitive liquid crystalline dopants. Liquid Crystals, 2015, 42, 964-972.	0.9	36
53	Chemical-Physical Characterization of a Binary Mixture Made of a Photosensitive Azobenzene Derivative and a Smectogen. Molecular Crystals and Liquid Crystals, 2015, 614, 54-61.	0.4	0
54	Effect of chiral photosensitive liquid crystalline dopants on the performance of organic solar cells. Solid-State Electronics, 2015, 104, 53-60.	0.8	50

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55	New chiral liquid crystal with unconventional dioxane terminal unit. Phase Transitions, 2014, 87, 1024-1037.	0.6	3
56	Lactic Acid Derivatives with Three-Phenyl Ring Molecular Core: Design and Mesomorphic Properties. Ferroelectrics, 2014, 468, 18-27.	0.3	14
57	New photoswitchable mesogenic polyurethanes with gelation ability. Journal of Materials Chemistry C, 2014, 2, 10357-10361.	2.7	4
58	Chiral HPLC for a study of the optical purity of new liquid crystalline materials derived from lactic acid. Phase Transitions, 2014, 87, 758-769.	0.6	18
59	Synthesis, characterisation and functionalisation of ZnO and TiO₂nanostructures: used as dopants in liquid crystal polymers. Liquid Crystals, 2014, 41, 91-100.	0.9	18
60	Functional Photochromic Methylhydrosiloxaneâ€Based Sideâ€Chain Liquidâ€Crystalline Polymers. Macromolecular Chemistry and Physics, 2014, 215, 742-752.	1.1	35
61	Effect of a bulky lateral substitution by chlorine atom and methoxy group on self-assembling properties of lactic acid derivatives. Materials Chemistry and Physics, 2014, 146, 18-25.	2.0	16
62	Conformational Properties and Orientational Order of a de Vries Liquid Crystal Investigated through NMR Spectroscopy. ChemPhysChem, 2014, 15, 1485-1495.	1.0	27
63	Anomalous phase sequence in new chiral liquid crystalline materials. Liquid Crystals, 2014, 41, 176-183.	0.9	18
64	Photochromic LCâ€“polymer composites containing azobenzene chromophores with thermally stable Z-isomers. Journal of Materials Chemistry C, 2014, 2, 4482-4489.	2.7	20
65	Effect of co-monomers' relative concentration on self-assembling behaviour of side-chain liquid crystalline elastomers. RSC Advances, 2014, 4, 44056-44064.	1.7	30
66	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. Journal of Materials Chemistry C, 2014, 2, 8622-8629.	2.7	18
67	The effect of the alkyl chain length on the mesomorphic properties of new lactic acid derivatives. Liquid Crystals, 2014, 41, 1179-1187.	0.9	10
68	Brief overview on ²H NMR studies of polysiloxaneâ€based sideâ€chain nematic elastomers. Magnetic Resonance in Chemistry, 2014, 52, 649-655.	1.1	15
69	Frustrated phases induced in binary mixtures of hockey-stick and chiral rod-like mesogens. Soft Matter, 2013, 9, 647-653.	1.2	12
70	Nanocomposite of superparamagnetic maghemite nanoparticles and ferroelectric liquid crystal. RSC Advances, 2013, 3, 10919.	1.7	17
71	Effect of Molecular Structure on Chiro-Optical and Photo-Optical Properties of Smart Liquid Crystalline Polyacrylates. Macromolecules, 2013, 46, 4276-4284.	2.2	53
72	Highly tilted smectogens with bromine-substituted molecular core. Liquid Crystals, 2013, 40, 321-328.	0.9	9

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73	Variety of mesophases in compounds with an increasing number of lactate units in the chiral chain. Liquid Crystals, 2013, 40, 14-21.	0.9	10
74	Thermotropic and lyotropic behaviour of new liquid-crystalline materials with different hydrophilic groups: synthesis and mesomorphic properties. Beilstein Journal of Organic Chemistry, 2013, 9, 425-436.	1.3	36
75	Rheological characterisation of a liquid-crystalline diol and its dependence with an applied electric field. Liquid Crystals, 2012, 39, 191-197.	0.9	11
76	Orientational order parameters of a de Vriesâ€“type ferroelectric liquid crystal obtained by polarized Raman spectroscopy and x-ray diffraction. Physical Review E, 2012, 85, 061703.	0.8	23
77	Smectic A â€“ Smectic C* Transition in a â€œde Vriesâ€•Liquid Crystal by2H NMR. Molecular Crystals and Liquid Crystals, 2012, 553, 103-110.	0.4	9
78	Non-symmetrical bent-shaped compounds containing a chiral moiety. Liquid Crystals, 2012, 39, 1252-1260.	0.9	6
79	Effect of alkyl chains length on properties of ferroelectric liquid crystals with the keto group attached to the molecule core. Phase Transitions, 2012, 85, 849-860.	0.6	21
80	Ferroelectric, antiferroelectric and TGB phases in lactic acid derivatives. Liquid Crystals, 2012, 39, 477-486.	0.9	20
81	Mesomorphic and structural properties of liquid crystal possessing a chiral lactate unit. Journal of Molecular Structure, 2012, 1013, 119-125.	1.8	14
82	Chiral liquid crystalline compounds with a re-entrant SmA* phase. Journal of Materials Chemistry, 2011, 21, 14807.	6.7	19
83	Effect of the chiral chain length on structural and phase properties of ferroelectric liquid crystals. Phase Transitions, 2011, 84, 380-390.	0.6	19
84	Dielectric behaviour of the composite system: multiwall carbon nanotubes dispersed in ferroelectric liquid crystal. Phase Transitions, 2011, 84, 850-857.	0.6	64
85	First liquid single crystal elastomer containing lactic acid derivative as chiral co-monomer: Synthesis and properties. Polymer, 2011, 52, 4490-4497.	1.8	44
86	A Liquidâ€Crystalline Coâ€Polysiloxane with Asymmetric Bent Side Chains. Macromolecular Chemistry and Physics, 2011, 212, 191-197.	1.1	15
87	Effect of Molecular Structure and Thermal Treatment on Photoâ€optical Properties of Photochromic Azobenzeneâ€containing Polymer Films. Macromolecular Chemistry and Physics, 2011, 212, 342-352.	1.1	35
88	Binary mixtures of liquid crystalline compounds with a reentrant smectic-A*phase. Physical Review E, 2011, 84, 061704.	0.8	7
89	Reentrant orthogonal smectic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math>phase below a tilted smectic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi></mml:mrow></mml:math>phase in a chiral compound. Physical Review E, 2011, 83, 020701.	0.8	20
90	Antiferroelectric phase in liquid crystalline compounds containing an azo group in their molecular core. Liquid Crystals, 2011, 38, 309-315.	0.9	15

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91	The effect of lactate unit number in compounds with azo group in the molecular core. Liquid Crystals, 2011, 38, 649-655.	0.9	29
92	Dielectric spectroscopy of the SmQ* phase. Phase Transitions, 2011, 84, 1098-1107.	0.6	6
93	Gel formation and photoactive properties of azobenzene-containing polymer in liquid crystal mixture. Colloid and Polymer Science, 2010, 288, 1375-1384.	1.0	22
94	Study of de Vries behaviour of the smectic A*â€“smectic C* phase transition. Phase Transitions, 2010, 83, 1026-1036.	0.6	14
95	An effect of structurally non-compatible additive on the properties of a long-pitch orthoconic antiferroelectric mixture. Phase Transitions, 2010, 83, 551-563.	0.6	57
96	¹H NMR Relaxometry Study of a Rod-Like Chiral Liquid Crystal in Its Isotropic, Cholesteric, TGBA*, and TGBC* Phases. Journal of Physical Chemistry B, 2010, 114, 11993-12001.	1.2	18
97	New compounds with a TGBA-TGBC-SmC* phase sequence. Liquid Crystals, 2010, 37, 129-137.	0.9	21
98	Orientational and structural properties of ferroelectric liquid crystal with a broad temperature range in the SmC*phase by13C NMR, x-ray scattering and dielectric spectroscopy. Journal of Physics Condensed Matter, 2009, 21, 035102.	0.7	15
99	Chirooptical and photooptical properties of a novel side-chain azobenzene-containing LC polymer. Monatshefte FÃ¼r Chemie, 2009, 140, 789-799.	0.9	18
100	Optimizing Conditions for Ultrasound Extraction of Fullerenes from Coal Matrices. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 109-122.	1.0	10
101	Photoinduced phase transitions and helix untwisting in the SmC* phase of a novel cinnamoyl-based liquid crystal. Liquid Crystals, 2009, 36, 989-997.	0.9	9
102	First photoresponsive liquid-crystalline materials with small layer shrinkage at the transition to the ferroelectric phase. Journal of Materials Chemistry, 2009, 19, 3992.	6.7	38
103	Effect of multilactate chiral part of liquid crystalline molecule on mesomorphic behaviour. Journal of Molecular Structure, 2008, 892, 151-157.	1.8	80
104	Polarization splay as the origin of modulation in theB1andB7smectic phases of bent-core molecules. Physical Review E, 2008, 77, 021703.	0.8	39
105	New photosensitive polymer composites based on oriented porous polyethylene filled with azobenzeneâ€containing LC mixture: reversible photomodulation of dichroism and birefringence. Liquid Crystals, 2008, 35, 533-539.	0.9	38
106	Supra-Molecular Structure of TGBC* Phases Studied by Means of Deuterium NMR Line-Shape Analysis. Molecular Crystals and Liquid Crystals, 2008, 495, 133/[485]-144/[496].	0.4	4
107	Synthesis and mesomorphic properties of new compounds exhibiting TGBA and TGBC liquid crystalline phases. Liquid Crystals, 2008, 35, 287-298.	0.9	28
108	Dipolar phases in liquid crystals with the chiral part based on the lactic acid. Phase Transitions, 2008, 81, 963-970.	0.6	2

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109	New chlorineâ€substituted liquid crystals possessing frustrated TGB_A and SmQ phases. Liquid Crystals, 2008, 35, 641-651.	0.9	41
110	E-T Phase Diagrams of an Antiferroelectric Liquid Crystal with Re-Entrant Smectic C* Phase. Ferroelectrics, 2008, 364, 13-19.	0.3	7
111	Phase diagram of new lactic acid derivatives exhibiting ferroâ€•and antiferroelectric phases. Liquid Crystals, 2008, 35, 975-985.	0.9	15
112	Effect of lateral methoxy substitution on mesomorphic and structural properties of ferroelectric liquid crystals. Liquid Crystals, 2008, 35, 1329-1337.	0.9	32
113	Effect of lateral substitution by fluorine and bromine atoms in ferroelectric liquid crystalline materials containing a 2â€alkoxypropanoate unit. Liquid Crystals, 2007, 34, 1185-1192.	0.9	31
114	Nature of smectic A*-C* phase transitions in a series of ferroelectric liquid crystals with little smectic layer shrinkage. Journal of Chemical Physics, 2007, 126, 054902.	1.2	18
115	X-ray and Dielectric Spectroscopy Studies Of Chiral Ferroelectric Liquid Crystals With Keto Group. AIP Conference Proceedings, 2007, , .	0.3	3
116	Second-harmonic generation studies in the SmCP phase of bent-shaped mesogens. , 2007, , .		0
117	Orientational Order of a Liquid Crystal with Three Chiral Centers by a Combined13C NMR and DFT Approach. Journal of Physical Chemistry B, 2007, 111, 9787-9794.	1.2	28
118	Thermal analysis of binary liquid crystalline mixtures. Journal of Thermal Analysis and Calorimetry, 2007, 90, 431-441.	2.0	36
119	Ferroelectric-like behaviour of the SmCP phase in liquid crystalline compounds with asymmetrical bent-core molecules. Journal of Materials Chemistry, 2006, 16, 2031-2038.	6.7	24
120	Polar liquid crystalline monomers with two or three lactate groups for the preparation of side chain polysiloxanes. Liquid Crystals, 2006, 33, 559-566.	0.9	35
121	Fullerene Synthesis by Alteration of Coal and Shale by Simulated Lightning. , 2006, , 241-255.		1
122	Low extraction recovery of fullerene from carbonaceous geological materials spiked with C60. Carbon, 2005, 43, 1909-1917.	5.4	37
123	Thermal analysis and X-ray studies of chiral ferroelectric liquid crystalline materials and their binary mixtures. Journal of Thermal Analysis and Calorimetry, 2005, 82, 519-523.	2.0	18
124	Switching of chirality from racemic to homochiral state in new liquid crystalline monomers with bentâ€core molecules. Liquid Crystals, 2005, 32, 1115-1123.	0.9	23
125	New ferroelectric liquid crystalline materials containing one and two lactate groups attached to the molecular core. Liquid Crystals, 2005, 32, 565-572.	0.9	36
126	Synthesis and Mesomorphic Properties of New Chiral Liquid-Crystalline Diols. Molecular Crystals and Liquid Crystals, 2005, 428, 49-63.	0.4	16

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127	The search for fullerenes in rocks from the Ries impact crater. Meteoritics and Planetary Science, 2005, 40, 307-314.	0.7	3
128	The B2â€“B7phase transition in symmetrical bentâ€shaped mesogens with methoxy substitution. Liquid Crystals, 2005, 32, 967-975.	0.9	17
129	Study of ferroelectric liquid crystals with 2-alkoxypropionate chiral group by X-ray measurements. Molecular Crystals and Liquid Crystals, 2004, 412, 19-28.	0.4	4
130	New ferroelectric liquid crystalline materials with an azo group in the molecular core. Liquid Crystals, 2004, 31, 821-830.	0.9	35
131	Ellipsometric monitoring of molecular evolution in freely suspended films of M12/10 ferroelectric liquid crystal. Thin Solid Films, 2004, 455-456, 784-789.	0.8	0
132	The Structure-Properties Relations in de Vries SmA Materials. Ferroelectrics, 2004, 311, 11-19.	0.3	11
133	Phase Diagrams of Binary Mixtures of Antiferroelectric and Ferroelectric Compounds with Lactate Units in the Mesogenic Core. Ferroelectrics, 2004, 309, 103-109.	0.3	15
134	Direct transition from the SmA phase to the tilted hexatic phase in liquid crystals with several lactate units. Liquid Crystals, 2004, 31, 1131-1141.	0.9	21
135	<title>Properties of new polar liquid crystalline materials with the keto group and different number of lactate units</title>. , 2004, , .		3
136	Thermal Properties of Liquid-Crystalline Diols and Corresponding Bis-Urethanes with Mesogenic Groups of Various Structures in Side Chains. Molecular Crystals and Liquid Crystals, 2003, 392, 17-30.	0.4	10
137	New series of chiral ferroelectric liquid crystals with the keto group attached to the molecule core. Liquid Crystals, 2003, 30, 493-497.	0.9	32
138	Search for Fullerenes in Geological Carbonaceous Samples Altered by Experimental Lightning. Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 257-267.	1.0	2
139	New ferroelectric and antiferroelectric liquid crystalline materials containing differing numbers of lactate units. Liquid Crystals, 2003, 30, 627-631.	0.9	53
140	New antiferroelectric liquid crystalline materials containing a keto group and two lactate groups. Liquid Crystals, 2003, 30, 1463-1469.	0.9	39
141	New Liquid Crystals with Dichlorostilbene Unit Showing Monotropic SmC* Phase. Ferroelectrics, 2002, 276, 3-12.	0.3	2
142	Transitions from the SmC* or SmC* A Phases to the Tilted Hexatic Phases Studied by the Dielectric Spectroscopy. Ferroelectrics, 2002, 277, 209-218.	0.3	7
143	Dielectric properties of ferroelectric liquid crystals with lateral group in the core. , 2002, , .		0
144	Unusual behavior of binary mixtures of ferroelectric and antiferroelectric liquid crystals with three chiral centers. , 2002, , .		4

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145	Phase diagrams and physical properties of binary ferroelectric mixtures based on a series of chiral Î±-cyanocinnamate derivatives. Liquid Crystals, 2002, 29, 1347-1354.	0.9	15
146	Ferroelectric Liquid Crystals with Extremely Wide SmC* Phase Range. Ferroelectrics, 2002, 276, 45-54.	0.3	7
147	New banana-type liquid crystal with a methoxy group substituted near the central ring. Journal of Materials Chemistry, 2002, 12, 2221-2224.	6.7	20
148	New chlorine-substituted ferroelectric liquid crystals with four aromatic rings in the mesogenic core. Liquid Crystals, 2002, 29, 1435-1439.	0.9	12
149	THERMAL PROPERTIES OF LIQUID-CRYSTALLINE DIOLS AND CORRESPONDING BIS-URETHANES WITH MESOGENIC GROUPS OF VARIOUS STRUCTURES IN SIDE CHAINS. Molecular Crystals and Liquid Crystals, 2002, 392, 17-30.	0.3	1
150	New series of ferroelectric liquid crystals with two or three chiral centres exhibiting antiferroelectric and hexatic phases. Liquid Crystals, 2001, 28, 1203-1209.	0.9	70
151	STABILIZATION OF THE SMC* PHASE IN MIXTURES OF FERROELECTRIC AND NON-FERROELECTRIC HOMOLOGUES. Molecular Crystals and Liquid Crystals, 2001, 366, 629-636.	0.3	0
152	NEW FERROELECTRIC LIQUID CRYSTALLINE SUBSTANCES WITH LATERAL GROUPS IN THE CORE. Molecular Crystals and Liquid Crystals, 2001, 366, 547-556.	0.3	30
153	POLARIZATION STUDIES ON STRETCHED POLYMER DISPERSED FERROELECTRIC LIQUID CRYSTAL FILMS. Molecular Crystals and Liquid Crystals, 2001, 366, 395-402.	0.3	0
154	Single-photon photolysis of C60,C70,C76, and C84 in solutions. Chemical Physics Letters, 2001, 335, 539-544.	1.2	21
155	Dielectric Response of Ferroelectric Liquid Crystals in Helical and Twisted Planar Samples. Molecular Crystals and Liquid Crystals, 2001, 364, 353-360.	0.3	5
156	Synthesis and Liquid Crystalline Properties of (S)-[4-n-Alkyloxy-benzoyloxyphenyl]-4â€²-[(2-n-alkyloxy)propionyloxy]benzoate. Molecular Crystals and Liquid Crystals, 2001, 365, 569-580.	0.3	8
157	Re-entrant ferroelectric phases in binary mixtures of ferroelectric and antiferroelectric homologues of a series with three chiral centers. Journal of Chemical Physics, 2001, 115, 9036-9041.	1.2	33
158	The Role of the Oxygen Molecule in the Photolysis of Fullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 289-318.	0.6	9
159	Near-Infrared Laser-Induced Decomposition of C60Dissolved in Toluene. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 319-336.	0.6	0
160	Liquid Crystalline Properties of S-(-)-4-(2-n-Alkoxy-Propionyloxy) Biphenyl-4â€²-n-Alkoxy-3,5-Dimethylbenzoate. Molecular Crystals and Liquid Crystals, 2000, 351, 279-286.	0.3	5
161	Electric field influence on freely suspended films of liquid crystal E10/8 with flexible core in the temperature region of smectic A â€" smectic C phase transition. Ferroelectrics, 2000, 244, 311-322.	0.3	1
162	Resonance Mode and Pretransitional Fluctuations Near the SmAâ€"SmC* Phase Transition. Molecular Crystals and Liquid Crystals, 2000, 351, 259-267.	0.3	0

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163	New series of chiral smectic chlorinated liquid crystals. Ferroelectrics, 2000, 243, 27-35.	0.3	31
164	The effect of the sample thickness on the collective modes in ferroelectric liquid crystals. Ferroelectrics, 2000, 241, 239-246.	0.3	5
165	Synthesis and Dielectric Properties of New Liquid Crystalline Substances with a Lactate Chiral Group. Molecular Crystals and Liquid Crystals, 1999, 328, 317-324.	0.3	8
166	Temperature difference between bulk and surface transition in freely suspended smectic films. Physical Review E, 1999, 59, 6188-6191.	0.8	5
167	Fullerene decomposition induced by near-infrared laser radiation studied by real-time turbidimetry. Chemical Physics Letters, 1999, 313, 431-436.	1.2	1
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