

# Damian Pocięcha

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1309312/damian-pocięcha-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

288  
papers

5,578  
citations

38  
h-index

54  
g-index

299  
ext. papers

6,139  
ext. citations

4.7  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
288	Light-Driven Fabrication of a Chiral Photonic Lattice of the Helical Nanofilament Liquid Crystal Phase.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> , 14, 4409-4416	9.5	0
287	Chiral columns forming a lattice with a giant unit cell.. <i>Soft Matter</i> , <b>2022</b> ,	3.6	1
286	Helical phases assembled from achiral molecules: twist-bend nematic and helical filamentary B4 phases formed by mesogenic dimers. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 346, 118180	6	3
285	Photochromic spiropyran-based liquid crystals. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 117842	6	3
284	Multiple Polar and Non-polar Nematic Phases. <i>ChemPhysChem</i> , <b>2021</b> ,	3.2	12
283	The cholesteric and TGB phases under the applied electric field. <i>Liquid Crystals</i> , <b>2021</b> , 48, 1283-1294	2.3	2
282	Directing Polymorphism in the Helical Nanofilament Phase. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 7108-7113	4.8	2
281	Discs, dumbbells and superdiscs: molecular and supermolecular architecture dependent magnetic behavior of mesogenic Blatter radical derivatives. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 6512-6521	7.8	3
280	Thermomechanically controlled fluorescence anisotropy in thin films of InP/ZnS quantum dots. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5387-5392	5.1	1
279	Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O.m series. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 5167-5173	7.1	14
278	Twist-Bend Nematic Glasses: The Synthesis and Characterisation of Pyrene-based Nonsymmetric Dimers. <i>ChemPhysChem</i> , <b>2021</b> , 22, 461-470	3.2	14
277	Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. <i>ACS Nano</i> , <b>2021</b> , 15, 4916-4926	16.7	2
276	Modeling of the Resonant X-ray Response of a Chiral Cubic Phase. <i>Crystals</i> , <b>2021</b> , 11, 214	2.3	1
275	Multichiral liquid crystals based on terphenyl core laterally substituted by chlorine atom. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 336, 116267	6	0
274	Photonic Bandgap in Achiral Liquid Crystals-A Twist on a Twist. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103288	24	8
273	Paramagnetic ionic liquid crystals: Ion conductive bent-core derivatives of stable radicals. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 337, 116028	6	1
272	Gold nanoparticles grafted with chemically incompatible ligands.. <i>RSC Advances</i> , <b>2021</b> , 11, 9568-9571	3.7	0

271	Ordered structures of alkylated carbon dots and their applications in nonlinear optics. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 8980-8991	7.1	12
270	New structural model of a chiral cubic liquid crystalline phase. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12814-12820	3.6	8
269	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905591	24	15
268	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. <i>Crystals</i> , <b>2020</b> , 10, 175	2.3	23
267	Mesomorphic properties of lactic acid derivatives and their racemic mixtures in comparison with analogous non-chiral compounds. <i>Liquid Crystals</i> , <b>2020</b> , 47, 1516-1527	2.3	5
266	Self-assembling behaviour of new functional photosensitive cinnamoyl-based reactive mesogens. <i>Liquid Crystals</i> , <b>2020</b> , 47, 2276-2291	2.3	11
265	Fluorescent bent-core mesogens with thiophene-based central unit. <i>Liquid Crystals</i> , <b>2020</b> , 47, 1803-1810	2.3	4
264	Photosensitive bent-core nematic liquid crystals with various linking units in the side arms: Structure-properties relationships. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 306, 112743	6	13
263	Hydrogen bonding and the design of twist-bend nematogens. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112630	6	18
262	Bi-continuous orthorhombic soft matter phase made of polycatenar molecules. <i>Soft Matter</i> , <b>2020</b> , 16, 3882-3885	3.6	10
261	Structure and grating efficiency of thin cells filled by a twist-bend nematic liquid crystal. <i>Physical Review E</i> , <b>2020</b> , 102, 032704	2.4	2
260	Photoconductive bent-core liquid crystalline radicals with a paramagnetic polar switchable phase. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1083-1088	7.1	13
259	Security use of the chiral photonic film made of helical liquid crystal structures. <i>Nanoscale</i> , <b>2020</b> , 12, 21629-21634	7.7	9
258	Photosensitive Bent-Core Compounds with Azo-Group Attached to the Central Ring. <i>Crystals</i> , <b>2020</b> , 10, 1030	2.3	1
257	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. <i>Materials Advances</i> , <b>2020</b> , 1, 1622-1630	3.3	11
256	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , <b>2020</b> , 14, 12918-12928	16.7	17
255	The Role of Substitution in the Apex Position of the Bent-Core on Mesomorphic Properties of New Series of Liquid Crystalline Materials. <i>Crystals</i> , <b>2020</b> , 10, 735	2.3	1
254	Directed self-assembly of a helical nanofilament liquid crystal phase for use as structural color reflectors. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	21

253	Tuning the Magnetic Properties of Columnar Benzo[e][1,2,4]triazin-4-yls with the Molecular Shape. <i>ChemPhysChem</i> , <b>2019</b> , 20, 636-644	3.2	16
252	Organic nanotubes created from mesogenic derivatives. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2835-2839	5.1	18
251	Systematic study of the chiral smectic phases of a fluorinated compound. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2256-2368	2.3	13
250	Multi-level chirality in liquid crystals formed by achiral molecules. <i>Nature Communications</i> , <b>2019</b> , 10, 1922-1927	7.4	73
249	Molecular curvature, specific intermolecular interactions and the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-yl)-6-(4-alkylanilinebenzylidene-4-foxy)hexanes (CB6O.m). <i>Soft Matter</i> , <b>2019</b> , 15, 3188-3197	3.6	57
248	W-shaped mesogens and variations of their molecular structure. <i>Liquid Crystals</i> , <b>2019</b> , 46, 816-824	2.3	3
247	Thermal and Photophysical Properties of Highly Quadrupolar Liquid-Crystalline Derivatives of the [closo-B H ] Anion. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2616-2630	4.8	13
246	Calamitic and discotic liquid crystalline phases for mesogens with triangular cores. <i>Soft Matter</i> , <b>2019</b> , 15, 7195-7202	3.6	3
245	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. <i>Liquid Crystals</i> , <b>2019</b> , 46, 1595-1609	2.3	56
244	The Chiral Twist-Bend Nematic Phase (N* ). <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13329-13335	4.8	38
243	Silver Nanoparticles with Liquid Crystalline Ligands Based on Lactic Acid Derivatives. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	1
242	Direct Visualization of Optical Activity in Chiral Substances Using a Helical Nanofilament (B4) Liquid Crystal Phase. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1901399	8.1	12
241	The effect of the length of terminal n-alkyl carboxylate chain on self-assembling and photosensitive properties of chiral lactic acid derivatives. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 275, 829-838	6	13
240	Design and self-assembling behaviour of comb-like stereoregular cycloliner methylosiloxane copolymers with chiral lactate groups. <i>Liquid Crystals</i> , <b>2019</b> , 46, 25-36	2.3	8
239	Fluorescent and charge transport properties of columnar phases made of mono and bi-phenazine derivatives. <i>Soft Matter</i> , <b>2018</b> , 14, 2104-2111	3.6	6
238	Magnetic behaviour of bent-core mesogens derived from the 1,4-dihydrobenzo[e][1,2,4]triazin-4-yl. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3079-3088	7.1	21
237	Spontaneous chirality through mixing achiral components: a twist-bend nematic phase driven by hydrogen-bonding between unlike components. <i>Chemical Communications</i> , <b>2018</b> , 54, 3383-3386	5.8	81
236	Mesogenic behaviour of isomeric bent-core 6-oxoverdazyls: 1,3- vs 1,5-substitution pattern. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1366-1376	2.3	4

235	Highly quadrupolar derivatives of the [closo-B10H10]2- anion: Investigation of liquid crystalline polymorphism in an homologous series of 1,10-bis(4-alkoxy pyridinium) zwitterions. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 865, 226-233	2.3	9
234	Diphenylthiophenes as central part for the design of bent-core liquid crystalline compounds. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 267, 496-503	6	6
233	Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , <b>2018</b> , 9, 228	17.4	130
232	Thermal, structural and electrochemical properties of new aliphatic-aromatic imine with piperazine moieties blended with titanium dioxide. <i>Phase Transitions</i> , <b>2018</b> , 91, 210-224	1.3	4
231	Effect of lactate group in the chiral chain of new compounds exhibiting short-pitch cholesteric or TGBA phase. <i>Liquid Crystals</i> , <b>2018</b> , 45, 1155-1163	2.3	15
230	Smectic behaviour of methyl 4-alkoxybenzoates with a partially fluorinated alkyl chain. <i>Liquid Crystals</i> , <b>2018</b> , 45, 11-21	2.3	13
229	Study of TiO <sub>2</sub> in anatase form on selected properties of new aliphatic-aromatic imines with bent shape towards organic electronics. <i>Liquid Crystals</i> , <b>2018</b> , 45, 831-843	2.3	9
228	Mesogens with central naphthalene core substituted at various positions. <i>Liquid Crystals</i> , <b>2018</b> , 45, 746-756		5
227	Synthesis and characterization of two new TiO-containing benzothiazole-based imine composites for organic device applications. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 721-739	3	8
226	Addendum: Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , <b>2018</b> , 9, 2856	17.4	3
225	Supramolecular organization of liquid-crystal dimers - bis-cyanobiphenyl alkanes on HOPG by scanning tunneling microscopy. <i>Nanoscale</i> , <b>2018</b> , 10, 16201-16210	7.7	8
224	Polarization Gratings Spontaneously Formed from a Helical Twist-Bend Nematic Phase. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2566-2571	3.2	11
223	Mesomorphic phase transitions of 3F7HPPhF studied by complementary methods. <i>Phase Transitions</i> , <b>2018</b> , 91, 186-198	1.3	14
222	Design of calamitic self-assembling reactive mesogenic units: mesomorphic behaviour and rheological characterisation. <i>Liquid Crystals</i> , <b>2018</b> , 45, 561-573	2.3	3
221	Solvent-free thiophene-based electrolytes: synthesis of new liquid-crystalline ionic conductors for batteries: part I. <i>Dalton Transactions</i> , <b>2018</b> , 47, 15714-15724	4.3	3
220	Critical behavior of the optical birefringence at the nematic to twist-bend nematic phase transition. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	17
219	The role of a terminal chain in promoting the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4'-yl)-6-(4-alkyloxylanilinebenzylidene-4'-oxy)hexanes. <i>Liquid Crystals</i> , <b>2018</b> , 45, 2341-2351	2.3	66
218	Bent-core dimers with top-to-bottom linkage between central units.. <i>RSC Advances</i> , <b>2018</b> , 8, 22974-22985	7	3

217	Core-to-core dimers forming switchable mesophase. <i>Chemical Communications</i> , <b>2017</b> , 53, 2721-2724	5.8	4
216	Optically Active Cubic Liquid Crystalline Phase Made of Achiral Polycatenar Stilbene Derivatives. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6853-6857	4.8	10
215	Liquid-Crystalline Elastomers with Gold Nanoparticle Cross-Linkers. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8912-8920	4.8	10
214	Bent-core mesogens with an aromatic unit at the terminal position. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4672-4679	3.6	2
213	H-Shape mesogenic dimers  the spacer parity effect. <i>RSC Advances</i> , <b>2017</b> , 7, 20354-20359	3.7	1
212	4-Octylphenylazo-4'-phenyl alkanoates  homologous series of azomesogens with extremely rich liquid-crystalline polymorphism. <i>Liquid Crystals</i> , <b>2017</b> , 44, 1600-1606	2.3	2
211	Bent-core liquid crystals with a 2-substituted 3-hydroxybenzoic acid central core. <i>Liquid Crystals</i> , <b>2017</b> , 44, 1306-1315	2.3	3
210	Azobenzene-based liquid crystal dimers and the twist-bend nematic phase. <i>Liquid Crystals</i> , <b>2017</b> , 1-19	2.3	8
209	Structure of nanoscale-pitch helical phases: blue phase and twist-bend nematic phase resolved by resonant soft X-ray scattering. <i>Soft Matter</i> , <b>2017</b> , 13, 6694-6699	3.6	59
208	Hierarchical Structures Formed by Flexible Dendrimeric Molecules Based on Gallic Acid. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700316	2.6	1
207	Double gyroid structures made of asymmetric dimers. <i>Liquid Crystals</i> , <b>2016</b> , 43, 235-240	2.3	13
206	Bent-core liquid crystals based on 6-substituted 3-hydroxybenzoic acid: the role of substitution and linkage group orientation on mesomorphic properties. <i>Liquid Crystals</i> , <b>2016</b> , 43, 1889-1900	2.3	8
205	Substituent-Dependent Magnetic Behavior of Discotic Benzo[e][1,2,4]triazinyls. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9421-4	16.4	40
204	All-organic liquid crystalline radicals with a spin unit in the outer position of a bent-core system. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 11540-11547	7.1	14
203	Induction of smectic polymorphism in bent-core derivatives of the 6-oxoverdazyl by partial fluorination of alkyl chains. <i>RSC Advances</i> , <b>2016</b> , 6, 102343-102347	3.7	7
202	Polar Liquid Crystals Derived from Sulfonium Zwitterions of the [closo-1-CB11H12] <sup>-</sup> Anion. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2923-2931	2.3	9
201	Polycatenar Mesogens with Various Degree of Flexibility of Molecular Structure. <i>ChemPhysChem</i> , <b>2016</b> , 17, 2686-90	3.2	5
200	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3529-3533	3.6	4

199	Linkage-length dependent structuring behaviour of bent-core molecules in helical nanostructures. <i>Soft Matter</i> , <b>2016</b> , 12, 3326-30	3.6	14
198	Liquid crystalline benzothiophenes. Part 3: 2,4- and 2,7-disubstituted benzothiophenes. <i>Liquid Crystals</i> , <b>2016</b> , 43, 839-852	2.3	8
197	Reversible switching of structural and plasmonic properties of liquid-crystalline gold nanoparticle assemblies. <i>Nanoscale</i> , <b>2016</b> , 8, 2656-63	7.7	17
196	Bent-shaped liquid crystals based on 4-substituted 3-hydroxybenzoic acid central core [Part II]. <i>Liquid Crystals</i> , <b>2016</b> , 43, 547-563	2.3	10
195	Azobenzene-containing LC polymethacrylates highly photosensitive in broad spectral range. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 2962-2970	2.5	25
194	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3468-72	16.4	22
193	Synthesis, phase behaviour and photo-optical properties of bent-core methacrylate with azobenzene group and corresponding side-chain polymethacrylate. <i>RSC Advances</i> , <b>2016</b> , 6, 65747-65755 <sup>3-7</sup>		
192	Synthesis and Characterization of Quinuclidinium Derivatives of the [closo-1-CB11H12](-) Anion as Potential Polar Components of Liquid Crystal Materials. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4016-25	5.1	22
191	W-shaped liquid crystalline dimers. <i>RSC Advances</i> , <b>2016</b> , 6, 41972-41981	3.7	5
190	From Sponges to Nanotubes: A Change of Nanocrystal Morphology for Acute-Angle Bent-Core Molecules. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12426-12430	3.6	3
189	From Sponges to Nanotubes: A Change of Nanocrystal Morphology for Acute-Angle Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12238-42	16.4	15
188	Bent-shaped liquid crystals based on 4-substituted 3-hydroxybenzoic acid central core. <i>Liquid Crystals</i> , <b>2015</b> , 42, 87-103	2.3	12
187	1D, 2D and 3D liquid crystalline phases formed by bent-core mesogens. <i>Chemical Communications</i> , <b>2015</b> , 51, 5048-51	5.8	6
186	The kinetics of the E-Z-E isomerisation and liquid-crystalline properties of selected azobenzene derivatives investigated by the prism of the ester group inversion. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1148-1158	2.3	38
185	Influence of mesogenic core polarity and position of chains attachment on columnar phase stability. <i>Liquid Crystals</i> , <b>2015</b> , 1-13	2.3	1
184	Liquid-Crystalline Properties of trans-A2 B2 -Porphyrins with Extended $\pi$ Electron Systems. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 7384-8	4.8	9
183	o-Carborane derivatives for probing molecular polarity effects on liquid crystal phase stability and dielectric behavior. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11412-11422	7.1	7
182	The influence of amphotericin B on the molecular organization and structural properties of DPPC lipid membranes modified by sterols. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1082, 7-11	3.4	3

181	Antibiotic amphotericin B/DPPC lipid complex: X-ray diffraction and FTIR studies. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1080, 57-62	3.4	4
180	Thermal diffusivity anisotropy measured by a temperature wave method in the homologous series of (p-alkoxybenzylidene)-p-Octylaniline (nO.8). <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 074903	3.9	8
179	A Twist-Bend Nematic (NTB ) Phase of Chiral Materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10155-9	16.4	84
178	Towards Organized Hybrid Nanomaterials at the Air/Water Interface Based on Liquid-Crystal/ZnO Nanocrystals. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16941-7	4.8	19
177	A Twist-Bend Nematic (NTB) Phase of Chiral Materials. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10293-10297	3.6	10
176	Unique effect of an electric field on a new liquid crystalline lactic acid derivative. <i>Soft Matter</i> , <b>2015</b> , 11, 4649-57	3.6	11
175	Do the short helices exist in the nematic TB phase?. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1-7	2.3	76
174	Highly elastic liquid crystals with a sub-nanonewton bending elastic constant mediated by the resident molecular assemblies. <i>Advanced Materials</i> , <b>2014</b> , 26, 1918-22	24	9
173	Anomalous phase sequence in new chiral liquid crystalline materials. <i>Liquid Crystals</i> , <b>2014</b> , 41, 176-183	2.3	15
172	Chiral discotic derivatives of 1,3,5-triphenyl-6-oxoverdazyl radical. <i>Liquid Crystals</i> , <b>2014</b> , 41, 1653-1660	2.3	9
171	Structure-sensitive bend elastic constants between piconewton and subnanonewton in diphenylacetylene-core-based liquid crystals. <i>Physical Review E</i> , <b>2014</b> , 90, 042506	2.4	3
170	Zwitterionic pyridinium derivatives of [closo-1-CB9H10] and [closo-1-CB11H12] as high $\kappa$ additives to a nematic host. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1585-1591	7.1	30
169	Thermotropic cubic and tetragonal phases made of rod-like molecules. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 16067-74	3.6	29
168	Photoresponsive helical nanofilaments of B4 phase. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 2323-2327	7.1	46
167	Control of sample alignment mode for hybrid lamellar systems based on gold nanoparticles. <i>Chemical Communications</i> , <b>2014</b> , 50, 7975-8	5.8	11
166	Effect of co-monomers/relative concentration on self-assembling behaviour of side-chain liquid crystalline elastomers. <i>RSC Advances</i> , <b>2014</b> , 4, 44056-44064	3.7	21
165	Liquid crystalline radicals: discotic behavior of unsymmetrical derivatives of 1,3,5-triphenyl-6-oxoverdazyl. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 319-324	7.1	12
164	Columnar Liquid Crystalline Phases Made of Bent-Core Mesogens <b>2014</b> , 1-26		1

163	Unusual polymorphism in new bent-shaped liquid crystals based on biphenyl as a central molecular core. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 794-807	2.5	13
162	New chiral liquid crystal with unconventional dioxane terminal unit. <i>Phase Transitions</i> , <b>2014</b> , 87, 1024-1037	3	3
161	Phototunable Liquid-Crystalline Phases Made of Nanoparticles. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13945-13948	3.4	4
160	New photoswitchable mesogenic polyurethanes with gelation ability. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 10357-10361	7.1	4
159	Smectic Phases of Bent-Core Liquid Crystals <b>2014</b> , 1-33		1
158	Mesomorphic and trans/cis photoisomerization studies of 4-[2-(4-hexyloxyphenyl)diazenyl]phenyl alkanoates. <i>Phase Transitions</i> , <b>2014</b> , 87, 1038-1049	1.3	7
157	How much do coulombic interactions stabilize a mesophase? Ion pair and non-ionic binary isosteric derivatives of monocarborates and carboranes. <i>RSC Advances</i> , <b>2014</b> , 4, 53907-53914	3.7	15
156	Stable electro-optic response in wide-temperature blue phases realized in chiral asymmetric bent dimers [Invited]. <i>Optical Materials Express</i> , <b>2014</b> , 4, 662	2.6	19
155	Tetragonal phase of 6-oxoverdazyl bent-core derivatives with photoinduced ambipolar charge transport and electrooptical effects. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14658-61	16.4	36
154	Phototunable liquid-crystalline phases made of nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13725-8	16.4	21
153	Stepwise heat-capacity change at an orientation transition in liquid crystals. <i>Physical Review E</i> , <b>2014</b> , 89, 022512	2.4	7
152	Discotic derivatives of 6-oxoverdazyl radical. <i>Liquid Crystals</i> , <b>2014</b> , 41, 385-392	2.3	9
151	Influence of terminal groups on liquid-crystalline polymorphism of selected azobenzene derivatives. <i>Liquid Crystals</i> , <b>2014</b> , 41, 113-125	2.3	23
150	Monotropic or enantiotropic mesophases? Liquid-crystalline and solid state polymorphism 4-Chloro-1,3-phenylene bis-[4-(4-alkyloxyphenylazo)benzoates. <i>Thermochimica Acta</i> , <b>2014</b> , 587, 59-66	2.9	18
149	Multiple nematic phases observed in chiral mesogenic dimers. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 46-49	7.1	46
148	Control of gold nanoparticle superlattice properties via mesogenic ligand architecture. <i>Langmuir</i> , <b>2013</b> , 29, 3404-10	4	27
147	Gelling and fluorescent mesogens of quinoxaline analogs. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6883-7	7.1	11
146	Induction of Columnar Discotic Behavior in Verdazyl Radicals with Alkylsulfanyl Substituents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2013</b> , 188, 418-426	1	4

145	3-Hydroxycinnamic acid as a new central core for the design of bent-shaped liquid crystals. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4962	7.1	6
144	Transformation from a rod-like to a hockey-stick-like and bent-shaped molecule in 3,4,7-disubstituted azobenzene-based mesogens. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7560	7.1	22
143	Gold nanoparticles with flexible mesogenic grafting layers. <i>Soft Matter</i> , <b>2013</b> , 9, 3005	3.6	14
142	Smectic mesophases of functionalized silver and gold nanoparticles with anisotropic plasmonic properties. <i>Chemical Communications</i> , <b>2013</b> , 49, 7845-7	5.8	27
141	Frustrated phases induced in binary mixtures of hockey-stick and chiral rod-like mesogens. <i>Soft Matter</i> , <b>2013</b> , 9, 647-653	3.6	12
140	Liquid-crystalline polymorphism of 4-alkyloxybenzylidene-4'-alkyloxyanilines and nonlinearity of their phase diagrams with different standards. <i>Thermochimica Acta</i> , <b>2013</b> , 552, 131-136	2.9	1
139	Physical gels made of liquid crystalline B4 phase. <i>Chemical Communications</i> , <b>2013</b> , 49, 3119-21	5.8	51
138	Unusual temperature dependence of smectic layer structure associated with the nematic-smectic C phase transition in a hockey-stick-shaped four-ring compound. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1562	7.1	23
137	Nanocomposite of superparamagnetic maghemite nanoparticles and ferroelectric liquid crystal. <i>RSC Advances</i> , <b>2013</b> , 3, 10919	3.7	16
136	Highly tilted smectogens with bromine-substituted molecular core. <i>Liquid Crystals</i> , <b>2013</b> , 40, 321-328	2.3	8
135	Variety of mesophases in compounds with an increasing number of lactate units in the chiral chain. <i>Liquid Crystals</i> , <b>2013</b> , 40, 14-21	2.3	8
134	The molecular organization of prenylated flavonoid xanthohumol in DPPC multibilayers: X-ray diffraction and FTIR spectroscopic studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 213-22	3.8	26
133	Liquid crystalline properties of new unsymmetrical compounds with benzothiazole core detected by TG/DSC-POM-XRD. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 110, 43-49	4.1	8
132	Mesogenic Enaminoketone Ni(II) Complexes of Phenazine and Quinoxaline Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , <b>2012</b> , 558, 93-101	0.5	6
131	Stable, ordered multilayers of partially fluorinated bolaamphiphiles at the air-water interface. <i>Soft Matter</i> , <b>2012</b> , 8, 5262	3.6	7
130	Anion-driven mesogenicity: a comparative study of ionic liquid crystals based on the [closo-1-CB9H10] and [closo-1-CB11H12] clusters. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4874		40
129	Non-symmetrical bent-shaped compounds containing a chiral moiety. <i>Liquid Crystals</i> , <b>2012</b> , 39, 1252-1260	3.0	6
128	Non-symmetric chiral isoflavone dimers: synthesis, characterisation and mesomorphic behaviour. <i>Liquid Crystals</i> , <b>2012</b> , 39, 1041-1047	2.3	26

127	Thermochromic discotic 6-oxoverdazyls. <i>Chemical Communications</i> , <b>2012</b> , 48, 7064-6	5.8	23
126	Room temperature magnetocaloric and magneto-transport properties of monovalent doped Pr <sub>0.6</sub> Sr <sub>0.35</sub> Na <sub>0.05</sub> MnO <sub>3</sub> manganite. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 530, 138-143	5.7	25
125	Effect of 2-(4-fluorophenylamino)-5-(2,4-dihydroxyphenyl)-1,3,4-thiadiazole on the molecular organisation and structural properties of the DPPC lipid multibilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2012</b> , 1818, 2850-9	3.8	18
124	3-Aminophenol based bent-shaped liquid crystals with an amide linking group. <i>Liquid Crystals</i> , <b>2012</b> , 39, 943-955	2.3	15
123	Photoconductive liquid-crystalline derivatives of 6-oxoverdazyl. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2465-8	16.4	43
122	Effect of alkyl chains length on properties of ferroelectric liquid crystals with the keto group attached to the molecule core. <i>Phase Transitions</i> , <b>2012</b> , 85, 849-860	1.3	16
121	Spontaneous self-assembly of partially fluorinated bolaamphiphiles into ordered layered structures. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14365-73	3.6	4
120	A crossover from rod-shaped to bent-shaped in symmetric isoflavone liquid crystal trimers exhibiting unusual mesomorphic behaviour. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 11335		8
119	Ferroelectric, antiferroelectric and TGB phases in lactic acid derivatives. <i>Liquid Crystals</i> , <b>2012</b> , 39, 477-486	6.3	18
118	Naphthalene-based bent-shaped liquid crystals with a semifluorinated terminal chain. <i>Liquid Crystals</i> , <b>2012</b> , 39, 755-767	2.3	20
117	Mesogenic Ni(II) complexes of Cs symmetry forming Colh phase by dipole-dipole interaction. <i>Liquid Crystals</i> , <b>2012</b> , 39, 729-737	2.3	5
116	Eu(III)-coupled luminescent multi-walled carbon nanotubes in surfactant solutions. <i>Carbon</i> , <b>2012</b> , 50, 436-443	10.4	15
115	Polar and apolar columnar phases made of bent-core mesogens. <i>Topics in Current Chemistry</i> , <b>2012</b> , 318, 281-302		19
114	New one-pot technique to introduce charged nanoparticles into a lyotropic liquid crystal matrix. <i>Langmuir</i> , <b>2011</b> , 27, 3937-44	4	3
113	Characterization, liquid crystalline behavior, electrochemical and optoelectrical properties of new poly(azomethine)s and a poly(imide) with siloxane linkages. <i>Optical Materials</i> , <b>2011</b> , 34, 61-74	3.3	26
112	A Liquid-Crystalline Co-Polysiloxane with Asymmetric Bent Side Chains. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 191-197	2.6	14
111	Effect of Molecular Structure and Thermal Treatment on Photo-optical Properties of Photochromic Azobenzene-containing Polymer Films. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 342-352	2.6	35
110	Aggregation and layering transitions in thin films of X-, T-, and anchor-shaped bolaamphiphiles at the air-water interface. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5861-73	4.8	13

109	Non-symmetrical bent-shaped liquid crystals based on a laterally substituted naphthalene central core with four ester groups. <i>Liquid Crystals</i> , <b>2011</b> , 38, 1099-1110	2.3	24
108	Transition between two orthogonal polar phases in symmetric bent-core liquid crystals. <i>Soft Matter</i> , <b>2011</b> , 7, 2895	3.6	28
107	Temperature-controlled liquid crystalline polymorphism of gold nanoparticles. <i>Soft Matter</i> , <b>2011</b> , 7, 1056-1061	3.6	36
106	Chiral liquid crystalline compounds with a re-entrant SmA* phase. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14807		15
105	A liquid-crystalline fullerene- $\beta$ -ligophenylenevinylene dyad which displays columnar mesomorphism. <i>Soft Matter</i> , <b>2011</b> , 7, 4948	3.6	28
104	H-shaped liquid crystalline dimers. <i>Liquid Crystals</i> , <b>2011</b> , 38, 149-154	2.3	22
103	Ionic Strength-Controlled Deposition of Charged Nanoparticles on a Solid Substrate. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 19096-19103	3.8	34
102	Binary mixtures of liquid crystalline compounds with a reentrant smectic-A* phase. <i>Physical Review E</i> , <b>2011</b> , 84, 061704	2.4	6
101	Reentrant orthogonal smectic-A phase below a tilted smectic-C phase in a chiral compound. <i>Physical Review E</i> , <b>2011</b> , 83, 020701	2.4	17
100	Ferroelectric behavior of orthogonal smectic phase made of bent-core molecules. <i>Physical Review E</i> , <b>2011</b> , 84, 031706	2.4	23
99	Non-symmetrical bent-shaped liquid crystals with five ester groups. <i>Liquid Crystals</i> , <b>2010</b> , 37, 987-996	2.3	22
98	An optically uniaxial antiferroelectric smectic phase in asymmetrical bent-core compounds containing a 3-aminophenol central unit. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7944		48
97	Incorporation of carbon nanotubes into a lyotropic liquid crystal by phase separation in the presence of a hydrophilic polymer. <i>Langmuir</i> , <b>2010</b> , 26, 3562-8	4	28
96	Multidimensional structures made by gold nanoparticles with shape-adaptive grafting layers. <i>Soft Matter</i> , <b>2010</b> , 6, 5397	3.6	53
95	Single-walled carbon nanotube/lyotropic liquid crystal hybrid materials fabricated by a phase separation method in the presence of polyelectrolyte. <i>Langmuir</i> , <b>2010</b> , 26, 8821-8	4	22
94	Liquid-crystalline phases formed by symmetrical azines with different terminal chains: Thermal, optical and electrical study. <i>Synthetic Metals</i> , <b>2010</b> , 160, 859-865	3.6	19
93	Phase transition in salt-free catanionic surfactant mixtures induced by temperature. <i>Langmuir</i> , <b>2010</b> , 26, 34-40	4	31
92	Characterisation and mesomorphic behaviour of new aliphatic-aromatic azomethines containing ester groups. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1479-1492	2.3	18

91	Thermal and current-voltage behaviour of liquid crystal compounds with rod and bent shapes comprising alkoxysemifluorinated and imine segments. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1021-1031	2.3	17
90	The effect of a thiophene ring in the outer position on mesomorphic properties of the bent-shaped liquid crystals. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7430		19
89	Reversible aggregation of X-shaped bolaamphiphiles with partially fluorinated lateral chains at the air/water interface. <i>Chemical Communications</i> , <b>2010</b> , 46, 1896-8	5.8	13
88	[2]Benzothiophene bent-shaped liquid crystals. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1501-1513	2.3	12
87	New compounds with a TGBA-TGBC-SmC* phase sequence. <i>Liquid Crystals</i> , <b>2010</b> , 37, 129-137	2.3	21
86	New discotic-shaped azomethines with triphenylamine moieties: Thermal, structural behaviors and opto-electrical properties. <i>Journal of Molecular Structure</i> , <b>2010</b> , 981, 120-129	3.4	11
85	Dinuclear mesogens with antiferromagnetic properties. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1735-41	3.2	2
84	Thermal, optical, electrical and structural study of new symmetrical azomethine based on poly(1,4-butanediol)bis(4-aminobenzoate). <i>Journal of Molecular Structure</i> , <b>2010</b> , 963, 175-182	3.4	27
83	Structure studies of the nematic phase formed by bent-core molecules. <i>Physical Review E</i> , <b>2009</b> , 80, 030701	2.1	81
82	Switchable fluorescent liquid crystals. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 171901	3.4	17
81	Liquid-Crystalline Phases Made of Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5269-5271	3.6	13
80	Liquid-crystalline phases made of gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5167-9	16.4	86
79	Mesomorphism of Protodendritic Oligomers. <i>Macromolecules</i> , <b>2009</b> , 42, 6375-6384	5.5	9
78	First symmetrical banana compounds exhibiting SmAP(R) mesophase and unique transition between two orthogonal polar phases. <i>Chemical Communications</i> , <b>2009</b> , 6592-4	5.8	24
77	Fluorinated metallomesogens IIamellar versus columnar phase formation. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1395		37
76	Syntheses and characterization of novel asymmetric bent-core mesogens exhibiting polar smectic phases. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4240		26
75	Evidence for general tilt columnar liquid crystalline phase. <i>Soft Matter</i> , <b>2009</b> , 5, 2281	3.6	20
74	A nematic-polar columnar phase sequence in new bent-shaped liquid crystals based on a 7-hydroxynaphthalene-2-carboxylic acid core. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 3153		43

73	Modulated general tilt structures in bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3044		32
72	2-D Density-modulated structures in asymmetric bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 881		22
71	Mesogenic Ni(II) and Cu(II) complexes of barbituric acid derivatives toward one-dimensional magnets. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3419		8
70	Mesogenic binuclear oxamide derivatives with discotic and calamitic properties. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 1108		12
69	Synthesis and mesomorphic properties of new compounds exhibiting TGBA and TGBC liquid crystalline phases. <i>Liquid Crystals</i> , <b>2008</b> , 35, 287-298	2.3	26
68	Dipolar phases in liquid crystals with the chiral part based on the lactic acid. <i>Phase Transitions</i> , <b>2008</b> , 81, 963-970	1.3	1
67	New chlorine-substituted liquid crystals possessing frustrated TGBA and SmQ phases. <i>Liquid Crystals</i> , <b>2008</b> , 35, 641-651	2.3	36
66	Symmetric bent-core mesogens with m-carborane and adamantane as the central units. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2978		15
65	How simple can a thermotropic mesogenic molecule be? Supramolecular layers through a network of hydrogen bonds. <i>Liquid Crystals</i> , <b>2008</b> , 35, 143-147	2.3	6
64	Phase diagram of new lactic acid derivatives exhibiting ferro- and antiferroelectric phases. <i>Liquid Crystals</i> , <b>2008</b> , 35, 975-985	2.3	12
63	Novel hockey-stick mesogens with the nematic, synclinic and anticlinic smectic C phase sequence. <i>Liquid Crystals</i> , <b>2008</b> , 35, 1023-1036	2.3	35
62	Magnetic Liquid Crystals for Molecular Spintronics. <i>Acta Physica Polonica A</i> , <b>2008</b> , 114, 1383-1386	0.6	
61	Electron Density Modulations in Columnar Banana Phases. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3027-3031	9.6	28
60	Molecular factors responsible for the formation of the axially polar columnar mesophase Col(h)P(A). <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3377-85	4.8	25
59	Modulated structures in bent-core liquid crystals: two faces of one phase. <i>Physical Review Letters</i> , <b>2007</b> , 98, 247802	7.4	38
58	Polar order and tilt in achiral smectic phases. <i>Physical Review E</i> , <b>2006</b> , 74, 021702	2.4	33
57	Electric-field-induced polar biaxial order in a nontilted smectic phase of an asymmetric bent-core liquid crystal. <i>Physical Review Letters</i> , <b>2006</b> , 97, 113901	7.4	82
56	Polar order in columnar phase made of polycatenar bent-core molecules. <i>Physical Review E</i> , <b>2006</b> , 73, 031704	2.4	33

55	Ferroelectric-like behaviour of the SmCP phase in liquid crystalline compounds with asymmetrical bent-core molecules. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 2031-2038		22
54	Photocurrent increase by doping a liquid crystal host with a functionalized fullerene. <i>Liquid Crystals</i> , <b>2006</b> , 33, 335-339	2.3	3
53	Ideal Liquid Crystal Display Mode Using Achiral Banana-Shaped Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L282-L284	1.4	62
52	End functionalised liquid crystalline bent-core molecules and first DAB derived dendrimers with banana shaped mesogenic units. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 1722		52
51	Switching mechanism in polar columnar mesophases made of bent-core molecules. <i>ChemPhysChem</i> , <b>2005</b> , 6, 1087-93	3.2	60
50	Switching of chirality from racemic to homochiral state in new liquid crystalline monomers with bent-core molecules. <i>Liquid Crystals</i> , <b>2005</b> , 32, 1115-1123	2.3	21
49	Paraelectric-antiferroelectric phase transition in achiral liquid crystals. <i>Physical Review E</i> , <b>2005</b> , 72, 060701	1.4	36
48	Spontaneous breaking of minimal surface condition: labyrinths in free standing smectic films. <i>Physical Review Letters</i> , <b>2005</b> , 95, 207801	7.4	11
47	Bent-core molecules with lateral halogen atoms forming tilted, synclinic and anticlinic, lamellar phases. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2374		43
46	Axially polar columnar phase made of polycatenar bent-shaped molecules. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15946-7	16.4	109
45	Direct transition from the SmA phase to the tilted hexatic phase in liquid crystals with several lactate units. <i>Liquid Crystals</i> , <b>2004</b> , 31, 1131-1141	2.3	20
44	Ferroelectric mesophase with randomized interlayer structure. <i>Physical Review Letters</i> , <b>2003</b> , 91, 185501	7.4	72
43	Liquid crystal phases formed by asymmetric bent-shaped molecules. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2132		48
42	Bent-core liquid crystals forming two- and three-dimensional modulated structures. <i>Physical Review E</i> , <b>2003</b> , 67, 031702	2.4	122
41	Modulated and intercalated smectic phases formed by dimeric molecules. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 34-37		26
40	Ferroelectric and antiferroelectric phases formed by mesogens with polyether terminal group. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 475-478		7
39	New ferroelectric and antiferroelectric liquid crystalline materials containing differing numbers of lactate units. <i>Liquid Crystals</i> , <b>2003</b> , 30, 627-631	2.3	46
38	Ferro- and Antiferroelectric Liquid Crystals <b>2003</b> , 257-510		4

37	Enantiomeric excess dependence of the phase diagram of antiferroelectric liquid crystals. <i>Physical Review E</i> , <b>2002</b> , 65, 061703	2.4	72
36	Theoretical and experimental study of the intermediate Sm CFI 2* and the Sm CFI 1* phases in antiferroelectric liquid crystals. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 1817-1826	3.9	61
35	New mesogenic compounds having fork-like or cyclic amide terminal groups. <i>Liquid Crystals</i> , <b>2002</b> , 29, 663-667	2.3	4
34	Re-entrant isotropic phase between lamellar and columnar mesophases. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 8884-90	16.4	42
33	Bent-shaped mesogens without an azomethine joint. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3392-3399		31
32	Liquid crystalline behaviour of thienyl-enaminoketone derivatives containing halogen atoms. <i>Liquid Crystals</i> , <b>2001</b> , 28, 1093-1098	2.3	6
31	Reentrant ferroelectricity in liquid crystals. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3048-51	7.4	43
30	Bicomponent System with Induced Antiferroelectric SmCA* Phase. <i>Molecular Crystals and Liquid Crystals</i> , <b>2001</b> , 365, 189-198		6
29	New series of ferroelectric liquid crystals with two or three chiral centres exhibiting antiferroelectric and hexatic phases. <i>Liquid Crystals</i> , <b>2001</b> , 28, 1203-1209	2.3	66
28	Synthesis and properties of a new series of mesogenic compounds with pyridine, oxidopyridinium, thienyl and furyl moieties. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 741-748		14
27	Nematic Phase Formed by V-Shaped Molecules. <i>Molecular Crystals and Liquid Crystals</i> , <b>2001</b> , 365, 107-115		4
26	NEW FERROELECTRIC LIQUID CRYSTALLINE SUBSTANCES WITH LATERAL GROUPS IN THE CORE. <i>Molecular Crystals and Liquid Crystals</i> , <b>2001</b> , 366, 547-556		29
25	Phase transitions between orthogonal and tilted hexatic phases. <i>European Physical Journal E</i> , <b>2000</b> , 1, 137-140	1.5	4
24	Ferroelectric phases in a chiral bent-core smectic liquid crystal: dielectric and optical second-harmonic generation measurements. <i>Physical Review E</i> , <b>2000</b> , 62, R4524-7	2.4	68
23	Behavior of frustrated phase in ferroelectric and antiferroelectric liquid crystalline mixtures. <i>Physical Review E</i> , <b>2000</b> , 61, 6674-7	2.4	18
22	Columnar mesomorphism of bi- and trinuclear Ni(II), Cu(II), and VO(II) cis-enaminoketone complexes with low symmetry. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 4879-85	5.1	24
21	Dielectric spectroscopy study of the transition into the hexatic phase in chiral smectics. <i>Ferroelectrics</i> , <b>2000</b> , 245, 43-50	0.6	11
20	Molecular Dynamics in the Vicinity of the Transition into the Hexatic Phase in Chiral Smectics. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 328, 275-282		4

19	Mesogenic derivatives of 2S,3S-2-halogeno-3-methylpentanoic acid with helix twist inversion in the smectic C* phase. <i>Liquid Crystals</i> , <b>1999</b> , 26, 1787-1796	2.3	3
18	Dielectric behavior of ferroelectric liquid crystals in the vicinity of the transition into the hexatic phase. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 1541-1550	3.9	22
17	New series of 4-(4'-octyloxybiphenyl-4-yloxymethyl)benzoic acid derivatives with mesogenic properties. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 361-369		15
16	Continuous Evolution from Ferroelectric to Antiferroelectric State in Chiral Smectics. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 328, 75-82		3
15	Calamitic or columnar mesomorphism determined by number and position of substituents in enaminketone Cu(II), Ni(II) and Co(II) complexes. <i>Liquid Crystals</i> , <b>1998</b> , 25, 117-121	2.3	22
14	New ferroelectric liquid crystals with cyclic and non-cyclic chiral groups. <i>Ferroelectrics</i> , <b>1998</b> , 212, 357-366	6	7
13	High-resolution heat-capacity studies of the hexatic-B <sub>h</sub> smectic-F phase transition in liquid-crystal compounds. <i>Physical Review E</i> , <b>1998</b> , 58, R1207-R1210	2.4	4
12	Observation of a Frustrated Phase in Mixtures of Ferroelectric and Antiferroelectric Liquid Crystals. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2946-2949	7.4	36
11	Tilted and Orthogonal Smectics in Thienyl and Furyl Substituted Enaminoketones. <i>Molecular Crystals and Liquid Crystals</i> , <b>1997</b> , 301, 19-24		2
10	Molecular Rotation in Hexatic B Mesophase Studied by the EPR Method. <i>Molecular Crystals and Liquid Crystals</i> , <b>1997</b> , 303, 121-126		2
9	Properties of chiral liquid crystals with inner hydrogen bonds. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1709-1012		6
8	Restricted molecular rotation in hexatic B and crystalline B mesophases as studied by the electron paramagnetic resonance method. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 9208-9213	3.9	6
7	Enaminoketones as new hydrogen bonded liquid crystals. <i>Liquid Crystals</i> , <b>1996</b> , 21, 885-891	2.3	7
6	Non-discoidal copper(II) and nickel(II) binuclear complexes forming columnar mesophases. <i>Chemical Communications</i> , <b>1996</b> , 2731-2732	5.8	12
5	Mesogenic properties of 1,2,3-tri-[3'-(4'-alkoxyphenyl)-3'-oxo-1'-propenylamino]propane. <i>Liquid Crystals</i> , <b>1996</b> , 20, 607-610	2.3	2
4	Multicritical point involving hexatic smectic phases. <i>Physical Review E</i> , <b>1995</b> , 52, 1748-1752	2.4	13
3	Phase Diagrams and Phase Transition Studies of a Homologous Series with Both Tilted and Orthogonal Hexatic Phases. <i>Molecular Crystals and Liquid Crystals</i> , <b>1995</b> , 260, 449-459		3
2	Mesogens with four-benzene molecular core and two lactate units in the chiral chain. <i>Liquid Crystals</i> , 1-9	2.3	

- 1 Remarkable stabilisation of the intercalated smectic phases of nonsymmetric dimers by tert-butyl groups. *Liquid Crystals*, 1-13 2.3 2