

# Damian Pociecha

## List of Publications by Citations

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#	Paper	IF	Citations
288	Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , <b>2018</b> , 9, 228	17.4	130
287	Bent-core liquid crystals forming two- and three-dimensional modulated structures. <i>Physical Review E</i> , <b>2003</b> , 67, 031702	2.4	122
286	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
285	Liquid-crystalline phases made of gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 5167-9	16.4	86
284	A Twist-Bend Nematic (NTB ) Phase of Chiral Materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10155-9	16.4	84
283	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
282	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
281	Structure studies of the nematic phase formed by bent-core molecules. <i>Physical Review E</i> , <b>2009</b> , 80, 030701	7.4	81
280	Do the short helices exist in the nematic TB phase?. <i>Liquid Crystals</i> , <b>2015</b> , 42, 1-7	2.3	76
279	Multi-level chirality in liquid crystals formed by achiral molecules. <i>Nature Communications</i> , <b>2019</b> , 10, 1922	7.4	73
278	Ferroelectric mesophase with randomized interlayer structure. <i>Physical Review Letters</i> , <b>2003</b> , 91, 185501	7.4	72
277	Enantiomeric excess dependence of the phase diagram of antiferroelectric liquid crystals. <i>Physical Review E</i> , <b>2002</b> , 65, 061703	2.4	72
276	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
275	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
274	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-alkyloxyanilinebenzylidene-4'-oxy)hexanes. <i>Liquid Crystals</i> , <b>2018</b> , 45, 2341-2351	2.3	66
273	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
272	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

271	Switching mechanism in polar columnar mesophases made of bent-core molecules. <i>ChemPhysChem</i> , <b>2005</b> , 6, 1087-93	3.2	60
270	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
269	Molecular curvature, specific intermolecular interactions and the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-Tyl)-6-(4-alkylanilinebenzylidene-4-Foxy)hexanes (CB6O.m). <i>Soft Matter</i> , <b>2019</b> , 15, 3188-3197	3.6	57
268	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
267	Multidimensional structures made by gold nanoparticles with shape-adaptive grafting layers. <i>Soft Matter</i> , <b>2010</b> , 6, 5397	3.6	53
266	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
265	Physical gels made of liquid crystalline B4 phase. <i>Chemical Communications</i> , <b>2013</b> , 49, 3119-21	5.8	51
264	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
263	Liquid crystal phases formed by asymmetric bent-shaped molecules. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2132		48
262	Photoresponsive helical nanofilaments of B4 phase. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 2323-2327.1		46
261	Multiple nematic phases observed in chiral mesogenic dimers. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 46-49	7.1	46
260	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
259	Photoconductive liquid-crystalline derivatives of 6-oxoverdazyl. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2465-8	16.4	43
258	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
257	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
256	Reentrant ferroelectricity in liquid crystals. <i>Physical Review Letters</i> , <b>2001</b> , 86, 3048-51	7.4	43
255	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
254	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

- 253 Anion-driven mesogenicity: a comparative study of ionic liquid crystals based on the [closo-1-CB9H10] and [closo-1-CB11H12] clusters. *Journal of Materials Chemistry*, **2012**, 22, 4874 40
- 252 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. *Liquid Crystals*, **2015**, 42, 1148-1158 2.3 38
- 251 The Chiral Twist-Bend Nematic Phase (N\*). *Chemistry - A European Journal*, **2019**, 25, 13329-13335 4.8 38
- 250 Modulated structures in bent-core liquid crystals: two faces of one phase. *Physical Review Letters*, **2007**, 98, 247802 7.4 38
- 249 Fluorinated metallomesogens lamellar versus columnar phase formation. *Journal of Materials Chemistry*, **2009**, 19, 1395 37
- 248 Tetragonal phase of 6-oxoverdazyl bent-core derivatives with photoinduced ambipolar charge transport and electrooptical effects. *Journal of the American Chemical Society*, **2014**, 136, 14658-61 16.4 36
- 247 Temperature-controlled liquid crystalline polymorphism of gold nanoparticles. *Soft Matter*, **2011**, 7, 10561 36
- 246 New chlorine-substituted liquid crystals possessing frustrated TGBA and SmQ phases. *Liquid Crystals*, **2008**, 35, 641-651 2.3 36
- 245 Paraelectric-antiferroelectric phase transition in achiral liquid crystals. *Physical Review E*, **2005**, 72, 060701 36
- 244 Observation of a Frustrated Phase in Mixtures of Ferroelectric and Antiferroelectric Liquid Crystals. *Physical Review Letters*, **1998**, 81, 2946-2949 7.4 36
- 243 Effect of Molecular Structure and Thermal Treatment on Photo-optical Properties of Photochromic Azobenzene-containing Polymer Films. *Macromolecular Chemistry and Physics*, **2011**, 212, 342-352 2.6 35
- 242 Novel hockey-stick mesogens with the nematic, synclinic and anticlinic smectic C phase sequence. *Liquid Crystals*, **2008**, 35, 1023-1036 2.3 35
- 241 Ionic Strength-Controlled Deposition of Charged Nanoparticles on a Solid Substrate. *Journal of Physical Chemistry C*, **2011**, 115, 19096-19103 3.8 34
- 240 Polar order and tilt in achiral smectic phases. *Physical Review E*, **2006**, 74, 021702 2.4 33
- 239 Polar order in columnar phase made of polycatenar bent-core molecules. *Physical Review E*, **2006**, 73, 031704 2.4 33
- 238 Modulated general tilt structures in bent-core liquid crystals. *Journal of Materials Chemistry*, **2008**, 18, 3044 32
- 237 Phase transition in salt-free catanionic surfactant mixtures induced by temperature. *Langmuir*, **2010**, 26, 34-40 4 31
- 236 Bent-shaped mesogens without an azomethine joint. *Journal of Materials Chemistry*, **2002**, 12, 3392-3399 31

235	Zwitterionic pyridinium derivatives of [closo-1-CB9H10] and [closo-1-CB11H12] as high $\Delta$ additives to a nematic host. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1585-1591	7.1	30
234	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
233	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
232	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
231	Transition between two orthogonal polar phases in symmetric bent-core liquid crystals. <i>Soft Matter</i> , <b>2011</b> , 7, 2895	3.6	28
230	A liquid-crystalline fullerene- <i>l</i> igophenylenevinylene dyad which displays columnar mesomorphism. <i>Soft Matter</i> , <b>2011</b> , 7, 4948	3.6	28
229	Electron Density Modulations in Columnar Banana Phases. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3027-3031	9.6	28
228	Control of gold nanoparticle superlattice properties via mesogenic ligand architecture. <i>Langmuir</i> , <b>2013</b> , 29, 3404-10	4	27
227	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
226	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
225	Non-symmetric chiral isoflavone dimers: synthesis, characterisation and mesomorphic behaviour. <i>Liquid Crystals</i> , <b>2012</b> , 39, 1041-1047	2.3	26
224	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
223	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
222	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
221	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
220	Modulated and intercalated smectic phases formed by dimeric molecules. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 34-37		26
219	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
218	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

217	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
216	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
215	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
214	Columnar mesomorphism of bi- and trinuclear Ni(II), Cu(II), and VO(II) cis-enammonoketone complexes with low symmetry. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 4879-85	5.1	24
213	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. <i>Crystals</i> , <b>2020</b> , 10, 175	2.3	23
212	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
211	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
210	Thermochromic discotic 6-oxoverdazyls. <i>Chemical Communications</i> , <b>2012</b> , 48, 7064-6	5.8	23
209	Ferroelectric behavior of orthogonal smectic phase made of bent-core molecules. <i>Physical Review E</i> , <b>2011</b> , 84, 031706	2.4	23
208	Transformation from a rod-like to a hockey-stick-like and bent-shaped molecule in 3,4'-disubstituted azobenzene-based mesogens. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 7560	7.1	22
207	Non-symmetrical bent-shaped liquid crystals with five ester groups. <i>Liquid Crystals</i> , <b>2010</b> , 37, 987-996	2.3	22
206	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
205	H-shaped liquid crystalline dimers. <i>Liquid Crystals</i> , <b>2011</b> , 38, 149-154	2.3	22
204	Calamitic or columnar mesomorphism determined by number and position of substituents in enammonoketone Cu(II), Ni(II) and Co(II) complexes. <i>Liquid Crystals</i> , <b>1998</b> , 25, 117-121	2.3	22
203	2-D Density-modulated structures in asymmetric bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 881		22
202	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
201	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
200	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3468-72	16.4	22

199	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
198	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
197	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
196	Effect of co-monomersRelative concentration on self-assembling behaviour of side-chain liquid crystalline elastomers. <i>RSC Advances</i> , <b>2014</b> , 4, 44056-44064	3.7	21
195	Phototunable liquid-crystalline phases made of nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13725-8	16.4	21
194	New compounds with a TGBA-TGBC-SmC* phase sequence. <i>Liquid Crystals</i> , <b>2010</b> , 37, 129-137	2.3	21
193	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
192	Naphthalene-based bent-shaped liquid crystals with a semifluorinated terminal chain. <i>Liquid Crystals</i> , <b>2012</b> , 39, 755-767	2.3	20
191	Evidence for general tilt columnar liquid crystalline phase. <i>Soft Matter</i> , <b>2009</b> , 5, 2281	3.6	20
190	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
189	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
188	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
187	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
186	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
185	Polar and apolar columnar phases made of bent-core mesogens. <i>Topics in Current Chemistry</i> , <b>2012</b> , 318, 281-302		19
184	Organic nanotubes created from mesogenic derivatives. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 2835-2839	5.1	18
183	Hydrogen bonding and the design of twist-bend nematogens. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 303, 112630	6	18
182	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

181	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
180	Ferroelectric, antiferroelectric and TGB phases in lactic acid derivatives. <i>Liquid Crystals</i> , <b>2012</b> , 39, 477-486.	3.3	18
179	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
178	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
177	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
176	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
175	Switchable fluorescent liquid crystals. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 171901	3.4	17
174	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
173	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , <b>2020</b> , 14, 12918-12928	16.7	17
172	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
171	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
170	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
169	Nanocomposite of superparamagnetic maghemite nanoparticles and ferroelectric liquid crystal. <i>RSC Advances</i> , <b>2013</b> , 3, 10919	3.7	16
168	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
167	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
166	Anomalous phase sequence in new chiral liquid crystalline materials. <i>Liquid Crystals</i> , <b>2014</b> , 41, 176-183	2.3	15
165	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
164	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



163	Eu(III)-coupled luminescent multi-walled carbon nanotubes in surfactant solutions. <i>Carbon</i> , <b>2012</b> , 50, 436-443	10.4	15
162	Chiral liquid crystalline compounds with a re-entrant SmA* phase. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14807		15
161	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
160	New series of 4-(4'-octyloxybiphenyl-4-yloxy)methyl)benzoic acid derivatives with mesogenic properties. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 361-369		15
159	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
158	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
157	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
156	Gold nanoparticles with flexible mesogenic grafting layers. <i>Soft Matter</i> , <b>2013</b> , 9, 3005	3.6	14
155	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
154	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
153	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
152	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
151	Mesomorphic phase transitions of 3F7HPPhF studied by complementary methods. <i>Phase Transitions</i> , <b>2018</b> , 91, 186-198	1.3	14
150	Double gyroid structures made of asymmetric dimers. <i>Liquid Crystals</i> , <b>2016</b> , 43, 235-240	2.3	13
149	Systematic study of the chiral smectic phases of a fluorinated compound. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2256-2368		13
148	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
147	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
146	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

145	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
144	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
143	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
142	Liquid-Crystalline Phases Made of Gold Nanoparticles. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 5269-5271	3.6	13
141	Multicritical point involving hexatic smectic phases. <i>Physical Review E</i> , <b>1995</b> , 52, 1748-1752	2.4	13
140	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
139	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
138	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
137	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
136	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
135	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
134	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
133	[2]Benzothiophene bent-shaped liquid crystals. <i>Liquid Crystals</i> , <b>2010</b> , 37, 1501-1513	2.3	12
132	Mesogenic binuclear oxamide derivatives with discotic and calamitic properties. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 1108		12
131	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
130	Non-discoidal copper(II) and nickel(II) binuclear complexes forming columnar mesophases. <i>Chemical Communications</i> , <b>1996</b> , 2731-2732	5.8	12
129	Multiple Polar and Non-polar Nematic Phases. <i>ChemPhysChem</i> , <b>2021</b> ,	3.2	12
128	Self-assembling behaviour of new functional photosensitive cinnamoyl-based reactive mesogens. <i>Liquid Crystals</i> , <b>2020</b> , 47, 2276-2291	2.3	11

127	Polarization Gratings Spontaneously Formed from a Helical Twist-Bend Nematic Phase. <i>ChemPhysChem</i> , <b>2018</b> , 19, 2566-2571	3.2	11
126	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
125	Gelling and fluorescent mesogens of quinoxaline analogs. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6883-1	11	11
124	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
123	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
122	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
121	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
120	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. <i>Materials Advances</i> , <b>2020</b> , 1, 1622-1630	3.3	11
119	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
118	Liquid-Crystalline Elastomers with Gold Nanoparticle Cross-Linkers. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8912-8920	4.8	10
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111	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
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104	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
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102	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
101	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
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62	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
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