

Damian Pocięcha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1309312/publications.pdf>

Version: 2024-02-01

292
papers

6,650
citations

81839

39
h-index

138417

58
g-index

299
all docs

299
docs citations

299
times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Heliconical smectic phases formed by achiral molecules. Nature Communications, 2018, 9, 228.	5.8	167
2	Bent-core liquid crystals forming two- and three-dimensional modulated structures. Physical Review E, 2003, 67, 031702.	0.8	130
3	Axially Polar Columnar Phase Made of Polycatenar Bent-Shaped Molecules. Journal of the American Chemical Society, 2004, 126, 15946-15947.	6.6	115
4	Multi-level chirality in liquid crystals formed by achiral molecules. Nature Communications, 2019, 10, 1922.	5.8	103
5	A Twist-Bend Nematic (N_{TB}) Phase of Chiral Materials. Angewandte Chemie - International Edition, 2015, 54, 10155-10159.	7.2	97
6	Spontaneous chirality through mixing achiral components: a twist-bend nematic phase driven by hydrogen-bonding between unlike components. Chemical Communications, 2018, 54, 3383-3386.	2.2	97
7	Liquid-Crystalline Phases Made of Gold Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 5167-5169.	7.2	96
8	Electric-Field-Induced Polar Biaxial Order in a Nontilted Smectic Phase of an Asymmetric Bent-Core Liquid Crystal. Physical Review Letters, 2006, 97, 113901.	2.9	87
9	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 2019, 46, 1595-1609.	0.9	85
10	Structure studies of the nematic phase formed by bent-core molecules. Physical Review E, 2009, 80, 030701.	0.8	84
11	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. Liquid Crystals, 2018, 45, 2341-2351.	0.9	83
12	Do the short helices exist in the nematic TB phase?. Liquid Crystals, 2015, 42, 1-7.	0.9	82
13	Ferroelectric Mesophase with Randomized Interlayer Structure. Physical Review Letters, 2003, 91, 185501.	2.9	79
14	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-oxy)hexanes (CB6O). Soft Matter, 2019, 15, 3188-3197.	1.2	78
15	Ferroelectric phases in a chiral bent-core smectic liquid crystal: Dielectric and optical second-harmonic generation measurements. Physical Review E, 2000, 62, R4524-R4527.	0.8	74
16	Enantiomeric excess dependence of the phase diagram of antiferroelectric liquid crystals. Physical Review E, 2002, 65, 061703.	0.8	73
17	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
18	Structure of nanoscale-pitch helical phases: blue phase and twist-bend nematic phase resolved by resonant soft X-ray scattering. Soft Matter, 2017, 13, 6694-6699.	1.2	70

#	ARTICLE	IF	CITATIONS
19	Ideal Liquid Crystal Display Mode Using Achiral Banana-Shaped Liquid Crystals. Japanese Journal of Applied Physics, 2006, 45, L282-L284.	0.8	67
20	Theoretical and experimental study of the intermediate Sm CFI \hat{e} 2* and the Sm CFI \hat{e} 1* phases in antiferroelectric liquid crystals. Journal of Chemical Physics, 2002, 117, 1817-1826.	1.2	66
21	Switching Mechanism in Polar Columnar Mesophases Made of Bent-Core Molecules. ChemPhysChem, 2005, 6, 1087-1093.	1.0	62
22	Multiple Polar and Non \hat{e} polar Nematic Phases. ChemPhysChem, 2021, 22, 2506-2510.	1.0	62
23	Substituent-Dependent Magnetic Behavior of Discotic Benzo[<i>e</i>][1,2,4]triazinyls. Journal of the American Chemical Society, 2016, 138, 9421-9424.	6.6	58
24	Multidimensional structures made by gold nanoparticles with shape-adaptive grafting layers. Soft Matter, 2010, 6, 5397.	1.2	55
25	The Chiral Twist \hat{e} Bend Nematic Phase (N* _{TB}). Chemistry - A European Journal, 2019, 25, 13329-13335.	1.7	55
26	Physical gels made of liquid crystalline B4 phase. Chemical Communications, 2013, 49, 3119.	2.2	54
27	New ferroelectric and antiferroelectric liquid crystalline materials containing differing numbers of lactate units. Liquid Crystals, 2003, 30, 627-631.	0.9	53
28	End functionalised liquid crystalline bent-core molecules and first DAB derived dendrimers with banana shaped mesogenic units. Journal of Materials Chemistry, 2005, 15, 1722.	6.7	53
29	An optically uniaxial antiferroelectric smectic phase in asymmetrical bent-core compounds containing a 3-aminophenol central unit. Journal of Materials Chemistry, 2010, 20, 7944.	6.7	52
30	Liquid crystal phases formed by asymmetric bent-shaped molecules. Journal of Materials Chemistry, 2003, 13, 2132.	6.7	50
31	Multiple nematic phases observed in chiral mesogenic dimers. Journal of Materials Chemistry C, 2013, 1, 46-49.	2.7	49
32	Photoresponsive helical nanofilaments of B ₄ phase. Journal of Materials Chemistry C, 2014, 2, 2323-2327.	2.7	49
33	Reentrant Ferroelectricity in Liquid Crystals. Physical Review Letters, 2001, 86, 3048-3051.	2.9	47
34	Photoconductive Liquid-Crystalline Derivatives of 6-Oxoverdazyl. Journal of the American Chemical Society, 2012, 134, 2465-2468.	6.6	46
35	Anion-driven mesogenicity: a comparative study of ionic liquid crystals based on the [closo-1-CB9H10] \hat{a} ' and [closo-1-CB11H12] \hat{a} ' clusters. Journal of Materials Chemistry, 2012, 22, 4874.	6.7	45
36	Re-entrant Isotropic Phase between Lamellar and Columnar Mesophases. Journal of the American Chemical Society, 2002, 124, 8884-8890.	6.6	44

#	ARTICLE	IF	CITATIONS
37	Bent-core molecules with lateral halogen atoms forming tilted, synclinic and anticlinic, lamellar phases. <i>Journal of Materials Chemistry</i> , 2004, 14, 2374.	6.7	44
38	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> , 2009, 19, 3153.	6.7	43
39	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , 2020, 14, 12918-12928.	7.3	43
40	Modulated Structures in Bent-Core Liquid Crystals: Two Faces of One Phase. <i>Physical Review Letters</i> , 2007, 98, 247802.	2.9	41
41	New chlorine-substituted liquid crystals possessing frustrated TGB _A and SmQ phases. <i>Liquid Crystals</i> , 2008, 35, 641-651.	0.9	41
42	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> , 2015, 42, 1148-1158.	0.9	41
43	Temperature-controlled liquid crystalline polymorphism of gold nanoparticles. <i>Soft Matter</i> , 2011, 7, 10561.	1.2	40
44	Ionic Strength-Controlled Deposition of Charged Nanoparticles on a Solid Substrate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19096-19103.	1.5	40
45	Fluorinated metallomesogens - lamellar versus columnar phase formation. <i>Journal of Materials Chemistry</i> , 2009, 19, 1395.	6.7	38
46	Azobenzene-containing LC polymethacrylates highly photosensitive in broad spectral range. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2962-2970.	2.5	38
47	Observation of a Frustrated Phase in Mixtures of Ferroelectric and Antiferroelectric Liquid Crystals. <i>Physical Review Letters</i> , 1998, 81, 2946-2949.	2.9	36
48	Paraelectric-antiferroelectric phase transition in achiral liquid crystals. <i>Physical Review E</i> , 2005, 72, 060701.	0.8	36
49	Polar order and tilt in achiral smectic phases. <i>Physical Review E</i> , 2006, 74, 021702.	0.8	36
50	Polar order in columnar phase made of polycatenar bent-core molecules. <i>Physical Review E</i> , 2006, 73, 031704.	0.8	36
51	Phase Transition in Salt-Free Catanionic Surfactant Mixtures Induced by Temperature. <i>Langmuir</i> , 2010, 26, 34-40.	1.6	36
52	Tetragonal Phase of 6-Oxoverdazyl Bent-Core Derivatives with Photoinduced Ambipolar Charge Transport and Electrooptical Effects. <i>Journal of the American Chemical Society</i> , 2014, 136, 14658-14661.	6.6	36
53	Bent-shaped mesogens without an azomethine joint. <i>Journal of Materials Chemistry</i> , 2002, 12, 3392-3399.	6.7	35
54	Novel hockey-stick mesogens with the nematic, synclinic and anticlinic smectic C phase sequence. <i>Liquid Crystals</i> , 2008, 35, 1023-1036.	0.9	35

#	ARTICLE	IF	CITATIONS
55	Effect of Molecular Structure and Thermal Treatment on Photo-optical Properties of Photochromic Azobenzene-containing Polymer Films. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 342-352.	1.1	35
56	Modulated general tilt structures in bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 3044.	6.7	34
57	Ferroelectric behavior of orthogonal smectic phase made of bent-core molecules. <i>Physical Review E</i> , 2011, 84, 031706.	0.8	34
58	Transition between two orthogonal polar phases in symmetric bent-core liquid crystals. <i>Soft Matter</i> , 2011, 7, 2895.	1.2	32
59	Control of Gold Nanoparticle Superlattice Properties via Mesogenic Ligand Architecture. <i>Langmuir</i> , 2013, 29, 3404-3410.	1.6	32
60	The molecular organization of prenylated flavonoid xanthohumol in DPPC multibilayers: X-ray diffraction and FTIR spectroscopic studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 213-222.	1.4	32
61	Zwitterionic pyridinium derivatives of [1-CB ₉ H ₁₀] ⁺ and [1-CB ₁₁ H ₁₂] ⁺ as high $\hat{\mu}$ additives to a nematic host. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1585-1591.	2.7	31
62	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , 2020, 32, e1905591.	11.1	31
63	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. <i>Crystals</i> , 2020, 10, 175.	1.0	31
64	NEW FERROELECTRIC LIQUID CRYSTALLINE SUBSTANCES WITH LATERAL GROUPS IN THE CORE. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 366, 547-556.	0.3	30
65	Syntheses and characterization of novel asymmetric bent-core mesogens exhibiting polar smectic phases. <i>Journal of Materials Chemistry</i> , 2009, 19, 4240.	6.7	30
66	Incorporation of Carbon Nanotubes into a Lyotropic Liquid Crystal by Phase Separation in the Presence of a Hydrophilic Polymer. <i>Langmuir</i> , 2010, 26, 3562-3568.	1.6	30
67	Effect of co-monomers' relative concentration on self-assembling behaviour of side-chain liquid crystalline elastomers. <i>RSC Advances</i> , 2014, 4, 44056-44064.	1.7	30
68	Magnetic behaviour of bent-core mesogens derived from the 1,4-dihydrobenzo[1,2,4]triazin-4-yl. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3079-3088.	2.7	30
69	Directed self-assembly of a helical nanofilament liquid crystal phase for use as structural color reflectors. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	30
70	Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O.m series. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5167-5173.	2.7	30
71	Intrinsically chiral ferronematic liquid crystals: An inversion of the helical twist sense at the chiral nematic \rightarrow Chiral ferronematic phase transition. <i>Journal of Molecular Liquids</i> , 2022, 361, 119532.	2.3	30
72	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> , 2010, 963, 175-182.	1.8	29

#	ARTICLE	IF	CITATIONS
73	Smectic mesophases of functionalized silver and gold nanoparticles with anisotropic plasmonic properties. <i>Chemical Communications</i> , 2013, 49, 7845.	2.2	29
74	Thermotropic cubic and tetragonal phases made of rod-like molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16067-16074.	1.3	29
75	Twist-Bend Nematic Glasses: The Synthesis and Characterisation of Pyrene-based Nonsymmetric Dimers. <i>ChemPhysChem</i> , 2021, 22, 461-470.	1.0	29
76	Modulated and intercalated smectic phases formed by dimeric molecules. <i>Journal of Materials Chemistry</i> , 2003, 13, 34-37.	6.7	28
77	Electron Density Modulations in Columnar Banana Phases. <i>Chemistry of Materials</i> , 2007, 19, 3027-3031.	3.2	28
78	Molecular Factors Responsible for the Formation of the Axially Polar Columnar Mesophase ColhPA. <i>Chemistry - A European Journal</i> , 2007, 13, 3377-3385.	1.7	28
79	Synthesis and mesomorphic properties of new compounds exhibiting TGBA and TGBC liquid crystalline phases. <i>Liquid Crystals</i> , 2008, 35, 287-298.	0.9	28
80	A liquid-crystalline fullerene-oligophenylenevinylene dyad which displays columnar mesomorphism. <i>Soft Matter</i> , 2011, 7, 4948.	1.2	28
81	Non-symmetric chiral isoflavone dimers: synthesis, characterisation and mesomorphic behaviour. <i>Liquid Crystals</i> , 2012, 39, 1041-1047.	0.9	28
82	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3468-3472.	7.2	28
83	Critical behavior of the optical birefringence at the nematic to twist-bend nematic phase transition. <i>Physical Review E</i> , 2018, 98, .	0.8	28
84	Room temperature magnetocaloric and magneto-transport properties of monovalent doped Pr _{0.6} Sr _{0.35} Na _{0.05} MnO ₃ manganite. <i>Journal of Alloys and Compounds</i> , 2012, 530, 138-143.	2.8	27
85	Phototunable Liquid-Crystalline Phases Made of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13725-13728.	7.2	27
86	Hydrogen bonding and the design of twist-bend nematogens. <i>Journal of Molecular Liquids</i> , 2020, 303, 112630.	2.3	27
87	Columnar Mesomorphism of Bi- and Trinuclear Ni(II), Cu(II), and VO(II)cis-Enamoneketone Complexes with Low Symmetry. <i>Inorganic Chemistry</i> , 2000, 39, 4879-4885.	1.9	26
88	Characterization, liquid crystalline behavior, electrochemical and optoelectrical properties of new poly(azomethine)s and a poly(imide) with siloxane linkages. <i>Optical Materials</i> , 2011, 34, 61-74.	1.7	26
89	Reversible switching of structural and plasmonic properties of liquid-crystalline gold nanoparticle assemblies. <i>Nanoscale</i> , 2016, 8, 2656-2663.	2.8	26
90	First symmetrical banana compounds exhibiting SmAPR mesophase and unique transition between two orthogonal polar phases. <i>Chemical Communications</i> , 2009, , 6592.	2.2	25

#	ARTICLE	IF	CITATIONS
91	H-shaped liquid crystalline dimers. <i>Liquid Crystals</i> , 2011, 38, 149-154.	0.9	25
92	Thermochromic discotic 6-oxoverdazyls. <i>Chemical Communications</i> , 2012, 48, 7064.	2.2	25
93	Influence of terminal groups on liquid-crystalline polymorphism of selected azobenzene derivatives. <i>Liquid Crystals</i> , 2014, 41, 113-125.	0.9	25
94	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> , 2019, 275, 829-838.	2.3	25
95	Ferroelectric-like behaviour of the SmCP phase in liquid crystalline compounds with asymmetrical bent-core molecules. <i>Journal of Materials Chemistry</i> , 2006, 16, 2031-2038.	6.7	24
96	Single-Walled Carbon Nanotube/Lyotropic Liquid Crystal Hybrid Materials Fabricated by a Phase Separation Method in the Presence of Polyelectrolyte. <i>Langmuir</i> , 2010, 26, 8821-8828.	1.6	24
97	Non-symmetrical bent-shaped liquid crystals based on a laterally substituted naphthalene central core with four ester groups. <i>Liquid Crystals</i> , 2011, 38, 1099-1110.	0.9	24
98	Synthesis and Characterization of Quinuclidinium Derivatives of the [<i>closo</i> -1-CB ₁₁ H ₁₂] ⁺ Anion as Potential Polar Components of Liquid Crystal Materials. <i>Inorganic Chemistry</i> , 2016, 55, 4016-4025.	1.9	24
99	Tuning the Magnetic Properties of Columnar Benzo[<i>e</i>][1,2,4]triazin-4-yls with the Molecular Shape. <i>ChemPhysChem</i> , 2019, 20, 636-644.	1.0	24
100	Systematic study of the chiral smectic phases of a fluorinated compound. <i>Liquid Crystals</i> , 2019, 46, 2256-2268.	0.9	24
101	Photoconductive bent-core liquid crystalline radicals with a paramagnetic polar switchable phase. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1083-1088.	2.7	24
102	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. <i>Materials Advances</i> , 2020, 1, 1622-1630.	2.6	24
103	Dielectric behavior of ferroelectric liquid crystals in the vicinity of the transition into the hexatic phase. <i>Journal of Chemical Physics</i> , 1999, 111, 1541-1550.	1.2	23
104	Switching of chirality from racemic to homochiral state in new liquid crystalline monomers with bent-core molecules. <i>Liquid Crystals</i> , 2005, 32, 1115-1123.	0.9	23
105	2-D Density-modulated structures in asymmetric bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 881.	6.7	23
106	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> , 2013, 1, 7560.	2.7	23
107	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> , 2013, 1, 1562.	2.7	23
108	Smectic behaviour of methyl 4-alkoxybenzoates with a partially fluorinated alkyl chain. <i>Liquid Crystals</i> , 2018, 45, 11-21.	0.9	23

#	ARTICLE	IF	CITATIONS
109	Calamitic or columnar mesomorphism determined by number and position of substituents in enamino-ketone Cu(II), Ni(II) and Co(II) complexes. <i>Liquid Crystals</i> , 1998, 25, 117-121.	0.9	22
110	Non-symmetrical bent-shaped liquid crystals with five ester groups. <i>Liquid Crystals</i> , 2010, 37, 987-996.	0.9	22
111	Liquid-crystalline phases formed by symmetrical azines with different terminal chains: Thermal, optical and electrical study. <i>Synthetic Metals</i> , 2010, 160, 859-865.	2.1	22
112	Towards Organized Hybrid Nanomaterials at the Air/Water Interface Based on Liquid-Crystal/ZnO Nanocrystals. <i>Chemistry - A European Journal</i> , 2015, 21, 16941-16947.	1.7	22
113	Direct transition from the SmA phase to the tilted hexatic phase in liquid crystals with several lactate units. <i>Liquid Crystals</i> , 2004, 31, 1131-1141.	0.9	21
114	New compounds with a TGBA-TGBC-SmC* phase sequence. <i>Liquid Crystals</i> , 2010, 37, 129-137.	0.9	21
115	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> , 2012, 1818, 2850-2859.	1.4	21
116	Effect of alkyl chains length on properties of ferroelectric liquid crystals with the keto group attached to the molecule core. <i>Phase Transitions</i> , 2012, 85, 849-860.	0.6	21
117	Switchable fluorescent liquid crystals. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	20
118	Evidence for general tilt columnar liquid crystalline phase. <i>Soft Matter</i> , 2009, 5, 2281.	1.2	20
119	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> , 2010, 20, 7430.	6.7	20
120	Polar and Apolar Columnar Phases Made of Bent-Core Mesogens. <i>Topics in Current Chemistry</i> , 2011, 318, 281-302.	4.0	20
121	Reentrant orthogonal smectic- A phase below a tilted smectic- C phase in a chiral compound. <i>Physical Review E</i> , 2013, 88, 022701.	0.8	20
122	Ferroelectric, antiferroelectric and TGB phases in lactic acid derivatives. <i>Liquid Crystals</i> , 2012, 39, 477-486.	0.9	20
123	Naphthalene-based bent-shaped liquid crystals with a semifluorinated terminal chain. <i>Liquid Crystals</i> , 2012, 39, 755-767.	0.9	20
124	Monotropic or enantiotropic mesophases? Liquid-crystalline and solid state polymorphism 4-Chloro-1,3-phenylene bis-[4-(4-alkyloxyphenylazo)benzoates. <i>Thermochimica Acta</i> , 2014, 587, 59-66.	1.2	20
125	Mesomorphic phase transitions of 3F7HPPhF studied by complementary methods. <i>Phase Transitions</i> , 2018, 91, 186-198.	0.6	20
126	Ordered structures of alkylated carbon dots and their applications in nonlinear optics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8980-8991.	2.7	20

#	ARTICLE	IF	CITATIONS
127	Chiral liquid crystalline compounds with a re-entrant SmA* phase. <i>Journal of Materials Chemistry</i> , 2011, 21, 14807.	6.7	19
128	Stable electro-optic response in wide-temperature blue phases realized in chiral asymmetric bent dimers [Invited]. <i>Optical Materials Express</i> , 2014, 4, 662.	1.6	19
129	Direct Visualization of Optical Activity in Chiral Substances Using a Helical Nanofilament (B4) Liquid Crystal Phase. <i>Advanced Optical Materials</i> , 2019, 7, 1901399.	3.6	19
130	Organic nanotubes created from mesogenic derivatives. <i>Nanoscale Advances</i> , 2019, 1, 2835-2839.	2.2	19
131	Self-assembling behaviour of new functional photosensitive cinnamoyl-based reactive mesogens. <i>Liquid Crystals</i> , 2020, 47, 2276-2291.	0.9	19
132	Behavior of frustrated phase in ferroelectric and antiferroelectric liquid crystalline mixtures. <i>Physical Review E</i> , 2000, 61, 6674-6677.	0.8	18
133	Characterisation and mesomorphic behaviour of new aliphatic aromatic azomethines containing ester groups. <i>Liquid Crystals</i> , 2010, 37, 1479-1492.	0.9	18
134	Thermal and current-voltage behaviour of liquid crystal compounds with rod and bent shapes comprising alkoxysemifluorinated and imine segments. <i>Liquid Crystals</i> , 2010, 37, 1021-1031.	0.9	18
135	Anomalous phase sequence in new chiral liquid crystalline materials. <i>Liquid Crystals</i> , 2014, 41, 176-183.	0.9	18
136	Thermal and Photophysical Properties of Highly Quadrupolar Liquid-Crystalline Derivatives of the [closo-B ₁₂ H ₁₂] ²⁺ Anion. <i>Chemistry - A European Journal</i> , 2019, 25, 2616-2630.	1.7	18
137	Photonic Bandgap in Achiral Liquid Crystals – A Twist on a Twist. <i>Advanced Materials</i> , 2021, 33, e2103288.	11.1	18
138	Nanocomposite of superparamagnetic maghemite nanoparticles and ferroelectric liquid crystal. <i>RSC Advances</i> , 2013, 3, 10919.	1.7	17
139	From Sponges to Nanotubes: A Change of Nanocrystal Morphology for Acute-Angle Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12238-12242.	7.2	17
140	Effect of lactate group in the chiral chain of new compounds exhibiting short-pitch cholesteric or TGBA phase. <i>Liquid Crystals</i> , 2018, 45, 1155-1163.	0.9	17
141	Photosensitive bent-core nematic liquid crystals with various linking units in the side arms: Structure-properties relationships. <i>Journal of Molecular Liquids</i> , 2020, 306, 112743.	2.3	17
142	Controlling spontaneous chirality in achiral materials: liquid crystal oligomers and the heliconical twist-bend nematic phase. <i>Chemical Communications</i> , 2022, 58, 5285-5288.	2.2	17
143	New series of 4-(4-octyloxybiphenyl-4-yloxymethyl)benzoic acid derivatives with mesogenic properties. <i>Journal of Materials Chemistry</i> , 1999, 9, 361-369.	6.7	16
144	Eu(III)-coupled luminescent multi-walled carbon nanotubes in surfactant solutions. <i>Carbon</i> , 2012, 50, 436-443.	5.4	16

#	ARTICLE	IF	CITATIONS
145	Multicritical point involving hexatic smectic phases. <i>Physical Review E</i> , 1995, 52, 1748-1752.	0.8	15
146	Synthesis and properties of a new series of mesogenic compounds with pyridine, oxidopyridinium, thienyl and furyl moieties. <i>Journal of Materials Chemistry</i> , 2001, 11, 741-748.	6.7	15
147	Symmetric bent-core mesogens with m-carborane and adamantane as the central units. <i>Journal of Materials Chemistry</i> , 2008, 18, 2978.	6.7	15
148	Phase diagram of new lactic acid derivatives exhibiting ferro- and antiferroelectric phases. <i>Liquid Crystals</i> , 2008, 35, 975-985.	0.9	15
149	A Liquid-Crystalline Co-Polysiloxane with Asymmetric Bent Side Chains. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 191-197.	1.1	15
150	3-Aminophenol based bent-shaped liquid crystals with an amide linking group. <i>Liquid Crystals</i> , 2012, 39, 943-955.	0.9	15
151	Gold nanoparticles with flexible mesogenic grafting layers. <i>Soft Matter</i> , 2013, 9, 3005.	1.2	15
152	How much do coulombic interactions stabilize a mesophase? Ion pair and non-ionic binary isosteric derivatives of monocarborates and carboranes. <i>RSC Advances</i> , 2014, 4, 53907-53914.	1.7	15
153	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> , 2016, 4, 11540-11547.	2.7	15
154	Linkage-length dependent structuring behaviour of bent-core molecules in helical nanostructures. <i>Soft Matter</i> , 2016, 12, 3326-3330.	1.2	15
155	Azobenzene-based liquid crystal dimers and the twist-bend nematic phase. <i>Liquid Crystals</i> , 0, , 1-19.	0.9	15
156	Polarization Gratings Spontaneously Formed from a Helical Twist-Bend Nematic Phase. <i>ChemPhysChem</i> , 2018, 19, 2566-2571.	1.0	15
157	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> , 2011, 17, 5861-5873.	1.7	14
158	Control of sample alignment mode for hybrid lamellar systems based on gold nanoparticles. <i>Chemical Communications</i> , 2014, 50, 7975.	2.2	14
159	Double gyroid structures made of asymmetric dimers. <i>Liquid Crystals</i> , 2016, 43, 235-240.	0.9	14
160	Liquid-Crystalline Elastomers with Gold Nanoparticle Cross-Linkers. <i>Chemistry - A European Journal</i> , 2017, 23, 8912-8920.	1.7	14
161	Security use of the chiral photonic film made of helical liquid crystal structures. <i>Nanoscale</i> , 2020, 12, 21629-21634.	2.8	14
162	New structural model of a chiral cubic liquid crystalline phase. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12814-12820.	1.3	14

#	ARTICLE	IF	CITATIONS
163	Mesogenic binuclear oxamide derivatives with discotic and calamitic properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 1108.	6.7	13
164	Reversible aggregation of X-Shaped bolaamphiphiles with partially fluorinated lateral chains at the air/water interface. <i>Chemical Communications</i> , 2010, 46, 1896-1898.	2.2	13
165	Unusual polymorphism in new bent-shaped liquid crystals based on biphenyl as a central molecular core. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 794-807.	1.3	13
166	Liquid crystalline radicals: discotic behavior of unsymmetrical derivatives of 1,3,5-triphenyl-6-oxoverdazyl. <i>Journal of Materials Chemistry C</i> , 2014, 2, 319-324.	2.7	13
167	Unique effect of an electric field on a new liquid crystalline lactic acid derivative. <i>Soft Matter</i> , 2015, 11, 4649-4657.	1.2	13
168	Polar Liquid Crystals Derived from Sulfonium Zwitterions of the [closo- $\text{C}_{11}\text{H}_{12}$] Anion. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2923-2931.	1.0	13
169	Synthesis and characterization of two new TiO_2 -containing benzothiazole-based imine composites for organic device applications. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 721-739.	1.5	13
170	Design and self-assembling behaviour of comb-like stereoregular cycloliner methylsiloxane copolymers with chiral lactate groups. <i>Liquid Crystals</i> , 2019, 46, 25-36.	0.9	13
171	Bi-continuous orthorhombic soft matter phase made of polycatenar molecules. <i>Soft Matter</i> , 2020, 16, 3882-3885.	1.2	13
172	Non-discoidal copper(II) and nickel(II) binuclear complexes forming columnar mesophases. <i>Chemical Communications</i> , 1996, , 2731-2732.	2.2	12
173	New discotic-shaped azomethines with triphenylamine moieties: Thermal, structural behaviors and opto-electrical properties. <i>Journal of Molecular Structure</i> , 2010, 981, 120-129.	1.8	12
174	[2]Benzothiophene bent-shaped liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 1501-1513.	0.9	12
175	Frustrated phases induced in binary mixtures of hockey-stick and chiral rod-like mesogens. <i>Soft Matter</i> , 2013, 9, 647-653.	1.2	12
176	Bent-shaped liquid crystals based on 4-substituted 3-hydroxybenzoic acid central core. <i>Liquid Crystals</i> , 2015, 42, 87-103.	0.9	12
177	Optically Active Cubic Liquid Crystalline Phase Made of Achiral Polycatenar Stilbene Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 6853-6857.	1.7	12
178	Discs, dumbbells and superdiscs: molecular and supermolecular architecture dependent magnetic behavior of mesogenic Blatter radical derivatives. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6512-6521.	3.2	12
179	Dielectric spectroscopy study of the transition into the hexatic phase in chiral smectics. <i>Ferroelectrics</i> , 2000, 245, 43-50.	0.3	11
180	Spontaneous Breaking of Minimal Surface Condition: Labyrinths in Free Standing Smectic Films. <i>Physical Review Letters</i> , 2005, 95, 207801.	2.9	11

#	ARTICLE	IF	CITATIONS
181	Gelling and fluorescent mesogens of quinoxaline analogs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6883.	2.7	11
182	Discotic derivatives of 6-oxoverdazyl radical. <i>Liquid Crystals</i> , 2014, 41, 385-392.	0.9	11
183	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> , 2018, 865, 226-233.	0.8	11
184	Helical phases assembled from achiral molecules: Twist-bend nematic and helical filamentary B4 phases formed by mesogenic dimers. <i>Journal of Molecular Liquids</i> , 2022, 346, 118180.	2.3	11
185	Photochromic spiropyran-based liquid crystals. <i>Journal of Molecular Liquids</i> , 2022, 346, 117842.	2.3	11
186	New ferroelectric liquid crystals with cyclic and non-cyclic chiral groups. <i>Ferroelectrics</i> , 1998, 212, 357-364.	0.3	10
187	Variety of mesophases in compounds with an increasing number of lactate units in the chiral chain. <i>Liquid Crystals</i> , 2013, 40, 14-21.	0.9	10
188	Stepwise heat-capacity change at an orientation transition in liquid crystals. <i>Physical Review E</i> , 2014, 89, 022512.	0.8	10
189	Highly Elastic Liquid Crystals with a Subnanonewton Bending Elastic Constant Mediated by the Resident Molecular Assemblies. <i>Advanced Materials</i> , 2014, 26, 1918-1922.	11.1	10
190	Chiral discotic derivatives of 1,3,5-triphenyl-6-oxoverdazyl radical. <i>Liquid Crystals</i> , 2014, 41, 1653-1660.	0.9	10
191	Thermal diffusivity anisotropy measured by a temperature wave method in the homologous series of (p-alkoxybenzylidene)-p ² -octylaniline (nO.8). <i>Journal of Chemical Physics</i> , 2015, 143, 074903.	1.2	10
192	Bent-shaped liquid crystals based on 4-substituted 3-hydroxybenzoic acid central core – Part II. <i>Liquid Crystals</i> , 2016, 43, 547-563.	0.9	10
193	Supramolecular organization of liquid-crystal dimers – bis-cyanobiphenyl alkanes on HOPG by scanning tunneling microscopy. <i>Nanoscale</i> , 2018, 10, 16201-16210.	2.8	10
194	Understanding and Controlling the Crystallization Process in Reconfigurable Plasmonic Superlattices. <i>ACS Nano</i> , 2021, 15, 4916-4926.	7.3	10
195	New patterns of twist-bend liquid crystal phase behaviour: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4-yl)-10-(4-alkylaniline-benzylidene-4-oxy)decanes (CB100- <i>m</i>). <i>Soft Matter</i> , 2022, 18, 4679-4688.		10
196	Enaminoketones as new hydrogen bonded liquid crystals. <i>Liquid Crystals</i> , 1996, 21, 885-891.	0.9	9
197	Mesomorphism of Protodendritic Oligomers. <i>Macromolecules</i> , 2009, 42, 6375-6384.	2.2	9
198	Liquid crystalline properties of new unsymmetrical compounds with benzothiazole core detected by TG/DSC-POM-XRD. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 43-49.	2.0	9

#	ARTICLE	IF	CITATIONS
199	A crossover from rod-shaped to bent-shaped in symmetric isoflavone liquid crystal trimers exhibiting unusual mesomorphic behaviour. <i>Journal of Materials Chemistry</i> , 2012, 22, 11335.	6.7	9
200	Highly tilted smectogens with bromine-substituted molecular core. <i>Liquid Crystals</i> , 2013, 40, 321-328.	0.9	9
201	1D, 2D and 3D liquid crystalline phases formed by bent-core mesogens. <i>Chemical Communications</i> , 2015, 51, 5048-5051.	2.2	9
202	Liquidâ€Crystalline Properties of <i>trans</i> -A ₂ B ₂ -Porphyrins with Extended Electron Systems. <i>Chemistry - A European Journal</i> , 2015, 21, 7384-7388.	1.7	9
203	Induction of smectic polymorphism in bent-core derivatives of the 6-oxoverdazyl by partial fluorination of alkyl chains. <i>RSC Advances</i> , 2016, 6, 102343-102347.	1.7	9
204	Diphenylthiophenes as central part for the design of bent-core liquid crystalline compounds. <i>Journal of Molecular Liquids</i> , 2018, 267, 496-503.	2.3	9
205	Study of TiO ₂ in anatase form on selected properties of new aliphatic-aromatic imines with bent shape towards organic electronics. <i>Liquid Crystals</i> , 2018, 45, 831-843.	0.9	9
206	Remarkable stabilisation of the intercalated smectic phases of nonsymmetric dimers by <i>tert</i> -butyl groups. <i>Liquid Crystals</i> , 2022, 49, 969-981.	0.9	9
207	Mesogenic Ni(ii) and Cu(ii) complexes of barbituric acid derivativesâ€toward one-dimensional magnets. <i>Journal of Materials Chemistry</i> , 2008, 18, 3419.	6.7	8
208	Mesomorphic and <i>trans</i> -â€cisâ€trans photoisomerization studies of 4-[2-(4-hexyloxyphenyl)diazenyl]phenyl alkanoates. <i>Phase Transitions</i> , 2014, 87, 1038-1049.	0.6	8
209	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> , 2016, 43, 1889-1900.	0.9	8
210	Liquid crystalline benzothiophenes. Part 3: 2,4- and 2,7-disubstituted benzothiophenes. <i>Liquid Crystals</i> , 2016, 43, 839-852.	0.9	8
211	Tunable helices of plasmonic nanoparticles using liquid crystal templates: molecular dynamics investigation of an unusual oddâ€even effect in liquid crystalline dimers. <i>Chemical Communications</i> , 2022, 58, 7364-7367.	2.2	8
212	Liquid crystalline behaviour of thienyl-enaminoketone derivatives containing halogen atoms. <i>Liquid Crystals</i> , 2001, 28, 1093-1098.	0.9	7
213	Bicomponent System with Induced Antiferroelectric SmC _A * Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 189-198.	0.3	7
214	New mesogenic compounds having fork-like or cyclic amide terminal groups. <i>Liquid Crystals</i> , 2002, 29, 663-667.	0.9	7
215	Ferroelectric and antiferroelectric phases formed by mesogens with polyether terminal group. <i>Journal of Materials Chemistry</i> , 2003, 13, 475-478.	6.7	7
216	Binary mixtures of liquid crystalline compounds with a reentrant smectic-A* phase. <i>Physical Review E</i> , 2011, 84, 061704.	0.8	7

#	ARTICLE	IF	CITATIONS
217	Stable, ordered multilayers of partially fluorinated bolaamphiphiles at the air/water interface. <i>Soft Matter</i> , 2012, 8, 5262.	1.2	7
218	3-Hydroxycinnamic acid – a new central core for the design of bent-shaped liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4962.	2.7	7
219	o-Carborane derivatives for probing molecular polarity effects on liquid crystal phase stability and dielectric behavior. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11412-11422.	2.7	7
220	Design of calamitic self-assembling reactive mesogenic units: mesomorphic behaviour and rheological characterisation. <i>Liquid Crystals</i> , 2018, 45, 561-573.	0.9	7
221	Properties of chiral liquid crystals with inner hydrogen bonds. <i>Journal of Materials Chemistry</i> , 1997, 7, 1709-1012.	6.7	6
222	Restricted molecular rotation in hexatic B and crystalline B mesophases as studied by the electron paramagnetic resonance method. <i>Journal of Chemical Physics</i> , 1997, 107, 9208-9213.	1.2	6
223	How simple can a thermotropic mesogenic molecule be? Supramolecular layers through a network of hydrogen bonds. <i>Liquid Crystals</i> , 2008, 35, 143-147.	0.9	6
224	Mesogenic Enaminoketone Ni(II) Complexes of Phenazine and Quinoxaline Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 558, 93-101.	0.4	6
225	Non-symmetrical bent-shaped compounds containing a chiral moiety. <i>Liquid Crystals</i> , 2012, 39, 1252-1260.	0.9	6
226	Antibiotic amphotericin B/DPPC lipid complex: X-ray diffraction and FTIR studies. <i>Journal of Molecular Structure</i> , 2015, 1080, 57-62.	1.8	6
227	W-shaped liquid crystalline dimers. <i>RSC Advances</i> , 2016, 6, 41972-41981.	1.7	6
228	Polycatenar Mesogens with Various Degree of Flexibility of Molecular Structure. <i>ChemPhysChem</i> , 2016, 17, 2686-2690.	1.0	6
229	Fluorescent and charge transport properties of columnar phases made of mono and bi-phenazine derivatives. <i>Soft Matter</i> , 2018, 14, 2104-2111.	1.2	6
230	Mesogenic behaviour of isomeric bent-core 6-oxoverdazyls: 1,3- vs 1,5-substitution pattern. <i>Liquid Crystals</i> , 2018, 45, 1366-1376.	0.9	6
231	Thermal, structural and electrochemical properties of new aliphatic-aromatic imine with piperazine moieties blended with titanium dioxide. <i>Phase Transitions</i> , 2018, 91, 210-224.	0.6	6
232	Mesogens with central naphthalene core substituted at various positions. <i>Liquid Crystals</i> , 2018, 45, 746-756.	0.9	6
233	Mesomorphic properties of lactic acid derivatives and their racemic mixtures in comparison with analogous non-chiral compounds. <i>Liquid Crystals</i> , 2020, 47, 1516-1527.	0.9	6
234	Photo-orientation Processes in Liquid Crystalline Polymethacrylates with Side Azobenzene Groups Having Lateral Methyl Substituents. <i>Macromolecules</i> , 2021, 54, 10499-10509.	2.2	6

#	ARTICLE	IF	CITATIONS
235	Tunable Intermolecular Charge Transfer in Ionic Liquid Crystalline Derivatives of the [closo-B ₁₀ H ₁₀] ²⁺ Anion. <i>Chemistry of Materials</i> , 2022, 34, 6476-6491.	3.2	6
236	Phase transitions between orthogonal and tilted hexatic phases. <i>European Physical Journal E</i> , 2000, 1, 137-140.	0.7	5
237	Nematic Phase Formed by V-Shaped Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 365, 107-115.	0.3	5
238	Mesogenic Ni(II) complexes of C ₂ symmetry forming Colhphase by dipole-dipole interaction. <i>Liquid Crystals</i> , 2012, 39, 729-737.	0.9	5
239	Core-to-core dimers forming switchable mesophase. <i>Chemical Communications</i> , 2017, 53, 2721-2724.	2.2	5
240	Addendum: Heliconical smectic phases formed by achiral molecules. <i>Nature Communications</i> , 2018, 9, 2856.	5.8	5
241	Light-Driven Fabrication of a Chiral Photonic Lattice of the Helical Nanofilament Liquid Crystal Phase. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4409-4416.	4.0	5
242	Phase Diagrams and Phase Transition Studies of a Homologous Series with Both Tilted and Orthogonal Hexatic Phases. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 260, 449-459.	0.3	4
243	Tilted and Orthogonal Smectics in Thienyl and Furyl Substituted Enaminoketones. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 301, 19-24.	0.3	4
244	High-resolution heat-capacity studies of the hexatic-B \leftrightarrow smectic-F phase transition in liquid-crystal compounds. <i>Physical Review E</i> , 1998, 58, R1207-R1210.	0.8	4
245	Molecular Dynamics in the Vicinity of the Transition into the Hexatic Phase in Chiral Smectics. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 328, 275-282.	0.3	4
246	Mesogenic derivatives of 2S,3S-2-halogeno-3-methylpentanoic acid with helix twist inversion in the smectic C* phase. <i>Liquid Crystals</i> , 1999, 26, 1787-1796.	0.9	4
247	Photocurrent increase by doping a liquid crystal host with a functionalized fullerene. <i>Liquid Crystals</i> , 2006, 33, 335-339.	0.9	4
248	Spontaneous self-assembly of partially fluorinated bolaamphiphiles into ordered layered structures. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14365.	1.3	4
249	Induction of Columnar Discotic Behavior in Verdazyl Radicals with Alkylsulfanyl Substituents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 418-426.	0.8	4
250	New photoswitchable mesogenic polyurethanes with gelation ability. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10357-10361.	2.7	4
251	Structure-sensitive bend elastic constants between piconewton and subnanonewton in diphenylacetylene-core-based liquid crystals. <i>Physical Review E</i> , 2014, 90, 042506.	0.8	4
252	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie</i> , 2016, 128, 3529-3533.	1.6	4

#	ARTICLE	IF	CITATIONS
253	Bent-core dimers with top-to-bottom linkage between central units. RSC Advances, 2018, 8, 22974-22985.	1.7	4
254	Calamitic and discotic liquid crystalline phases for mesogens with triangular cores. Soft Matter, 2019, 15, 7195-7202.	1.2	4
255	Fluorescent bent-core mesogens with thiophene-based central unit. Liquid Crystals, 2020, 47, 1803-1810.	0.9	4
256	Directing Polymorphism in the Helical Nanofilament Phase. Chemistry - A European Journal, 2021, 27, 7108-7113.	1.7	4
257	Paramagnetic ionic liquid crystals: Ion conductive bent-core derivatives of stable radicals. Journal of Molecular Liquids, 2021, 337, 116028.	2.3	4
258	Ferro- and Antiferroelectric Liquid Crystals. , 2003, , 257-510.		4
259	Structure and grating efficiency of thin cells filled by a twist-bend nematic liquid crystal. Physical Review E, 2020, 102, 032704.	0.8	4
260	The cholesteric and TGB phases under the applied electric field. Liquid Crystals, 2021, 48, 1283-1294.	0.9	4
261	Chiral columns forming a lattice with a giant unit cell. Soft Matter, 2022, 18, 2006-2011.	1.2	4
262	Mesogenic properties of 1,2,3-tri-[3-alkoxyphenyl]-3-oxo-1-propenylamino]propane. Liquid Crystals, 1996, 20, 607-610.	0.9	3
263	Continuous Evolution from Ferroelectric to Antiferroelectric State in Chiral Smectics. Molecular Crystals and Liquid Crystals, 1999, 328, 75-82.	0.3	3
264	New One-Pot Technique to Introduce Charged Nanoparticles into a Lyotropic Liquid Crystal Matrix. Langmuir, 2011, 27, 3937-3944.	1.6	3
265	New chiral liquid crystal with unconventional dioxane terminal unit. Phase Transitions, 2014, 87, 1024-1037.	0.6	3
266	The influence of amphotericin B on the molecular organization and structural properties of DPPC lipid membranes modified by sterols. Journal of Molecular Structure, 2015, 1082, 7-11.	1.8	3
267	From Sponges to Nanotubes: A Change of Nanocrystal Morphology for Acute Angle Bent-Core Molecules. Angewandte Chemie, 2016, 128, 12426-12430.	1.6	3
268	Bent-core liquid crystals with a 2-substituted 3-hydroxybenzoic acid central core. Liquid Crystals, 2017, 44, 1306-1315.	0.9	3
269	Solvent-free thiophene-based electrolytes: synthesis of new liquid-crystalline ionic conductors for batteries: part I. Dalton Transactions, 2018, 47, 15714-15724.	1.6	3
270	Silver Nanoparticles with Liquid Crystalline Ligands Based on Lactic Acid Derivatives. Nanomaterials, 2019, 9, 1066.	1.9	3

#	ARTICLE	IF	CITATIONS
271	W-shaped mesogens and variations of their molecular structure. <i>Liquid Crystals</i> , 2019, 46, 816-824.	0.9	3
272	Thermomechanically controlled fluorescence anisotropy in thin films of InP/ZnS quantum dots. <i>Nanoscale Advances</i> , 2021, 3, 5387-5392.	2.2	3
273	Multichiral liquid crystals based on terphenyl core laterally substituted by chlorine atom. <i>Journal of Molecular Liquids</i> , 2021, 336, 116267.	2.3	3
274	Molecular Rotation in Hexatic B Mesophase Studied by the EPR Method. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 303, 121-126.	0.3	2
275	Dipolar phases in liquid crystals with the chiral part based on the lactic acid. <i>Phase Transitions</i> , 2008, 81, 963-970.	0.6	2
276	Dinuclear Mesogens with Antiferromagnetic Properties. <i>ChemPhysChem</i> , 2010, 11, 1735-1741.	1.0	2
277	Bent-core mesogens with an aromatic unit at the terminal position. <i>New Journal of Chemistry</i> , 2017, 41, 4672-4679.	1.4	2
278	4-Octylphenylazo-4-phenyl alkanoates – homologous series of azomesogens with extremely rich liquid-crystalline polymorphism. <i>Liquid Crystals</i> , 2017, 44, 1600-1606.	0.9	2
279	Hierarchical Structures Formed by Flexible Dendrimeric Molecules Based on Gallic Acid. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700316.	1.1	2
280	Photosensitive Bent-Core Compounds with Azo-Group Attached to the Central Ring. <i>Crystals</i> , 2020, 10, 1030.	1.0	2
281	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> , 2020, 10, 735.	1.0	2
282	Modeling of the Resonant X-ray Response of a Chiral Cubic Phase. <i>Crystals</i> , 2021, 11, 214.	1.0	2
283	Design and Self-Assembling Behaviour of Calamitic Reactive Mesogens with Lateral Methyl and Methoxy Substituents and Vinyl Terminal Group. <i>Polymers</i> , 2021, 13, 2156.	2.0	2
284	Ferroelectric, ferrielectric and antiferroelectric mesophases in compounds with a polybenzyloxycarbonyl mesogenic core. <i>Journal of Materials Chemistry</i> , 2005, , .	6.7	1
285	Liquid-crystalline polymorphism of 4-alkyloxybenzylidene-4-alkyloxyanilines and nonlinearity of their phase diagrams with different standards. <i>Thermochimica Acta</i> , 2013, 552, 131-136.	1.2	1
286	Influence of mesogenic core polarity and position of chains attachment on columnar phase stability. <i>Liquid Crystals</i> , 0, , 1-13.	0.9	1
287	H-Shape mesogenic dimers – the spacer parity effect. <i>RSC Advances</i> , 2017, 7, 20354-20359.	1.7	1
288	Gold nanoparticles grafted with chemically incompatible ligands. <i>RSC Advances</i> , 2021, 11, 9568-9571.	1.7	1

#	ARTICLE	IF	CITATIONS
289	Spontaneous formation of polarization diffraction gratings in surface-stabilized cells filled with liquid crystal in the modulated nematic phase. , 2019, , .		1
290	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
291	Mesogens with four-benzene molecular core and two lactate units in the chiral chain. Liquid Crystals, 0, , 1-9.	0.9	0
292	Magnetic Liquid Crystals for Molecular Spintronics. Acta Physica Polonica A, 2008, 114, 1383-1386.	0.2	0