

Ewa Gorecka

List of Publications by Year in descending order

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papers

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times ranked

4161
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiferroelectric Chiral Smectic Phases Responsible for the Tristable Switching in MHPOBC. Japanese Journal of Applied Physics, 1989, 28, L1265-L1268.	0.8	697
2	Molecular Orientational Structures in Ferroelectric, Ferrielectric and Antiferroelectric Smectic Liquid Crystal Phases as Studied by Conoscope Observation. Japanese Journal of Applied Physics, 1990, 29, 131-137.	0.8	239
3	Heliconical smectic phases formed by achiral molecules. Nature Communications, 2018, 9, 228.	5.8	167
4	Dynamically self-assembled silver nanoparticles as a thermally tunable metamaterial. Nature Communications, 2015, 6, 6590.	5.8	154
5	Antiferroelectric liquid crystals: Interplay of simplicity and complexity. Reviews of Modern Physics, 2010, 82, 897-937.	16.4	141
6	Bent-core liquid crystals forming two- and three-dimensional modulated structures. Physical Review E, 2003, 67, 031702.	0.8	130
7	Why do non-symmetric dimers intercalate? The synthesis and characterisation of the \hat{I}_{\pm} -(4-benzylidene-substituted-aniline-4- \hat{O} -oxy)- \hat{I} -(2-methylbutyl-4- \hat{O} -(4- \hat{O} -phenyl)benzoateoxy)alkanes. Liquid Crystals, 2009, 36, 1431-1441.	0.9	117
8	Axially Polar Columnar Phase Made of Polycatenar Bent-Shaped Molecules. Journal of the American Chemical Society, 2004, 126, 15946-15947.	6.6	115
9	Multi-level chirality in liquid crystals formed by achiral molecules. Nature Communications, 2019, 10, 1922.	5.8	103
10	A Twist-Bend Nematic (N_{TB}) Phase of Chiral Materials. Angewandte Chemie - International Edition, 2015, 54, 10155-10159.	7.2	97
11	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
12	Liquid-Crystalline Phases Made of Gold Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 5167-5169.	7.2	96
13	Switchable columnar phases. Journal of Materials Chemistry, 2006, 16, 2412.	6.7	91
14	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
15	Sulfur-linked cyanobiphenyl-based liquid crystal dimers and the twist-bend nematic phase. Liquid Crystals, 2019, 46, 1595-1609.	0.9	85
16	Structure studies of the nematic phase formed by bent-core molecules. Physical Review E, 2009, 80, 030701.	0.8	84
17	Antiferroelectric phase and tristable-switching in MHPOBC. Ferroelectrics, 1991, 114, 187-197.	0.3	83
18	The role of a terminal chain in promoting the twist-bend nematic phase: the synthesis and characterisation of the 1-(4-cyanobiphenyl-4- \hat{O} -yl)-6-(4-alkyloxyanilinebenzylidene-4- \hat{O} -oxy)hexanes. Liquid Crystals, 2018, 45, 2341-2351.	0.9	83

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19	Do the short helices exist in the nematic TB phase?. <i>Liquid Crystals</i> , 2015, 42, 1-7.	0.9	82
20	Nematic phase formed by banana-shaped molecules. <i>Liquid Crystals</i> , 2000, 27, 429-436.	0.9	80
21	Design and Assembly of pH-Sensitive Lipidic Cubic Phase Matrices for Drug Release. <i>Langmuir</i> , 2014, 30, 1383-1390.	1.6	80
22	Ferroelectric Mesophase with Randomized Interlayer Structure. <i>Physical Review Letters</i> , 2003, 91, 185501.	2.9	79
23	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-oxyl)hexanes (CB6O). <i>Soft Matter</i> , 2019, 15, 3188-3197.	1.2	78
24	Electric-Field-Induced Transitions among Antiferroelectric, Ferrielectric and Ferroelectric Phases in a Chiral Smectic MHPOBC. <i>Japanese Journal of Applied Physics</i> , 1990, 29, L1473-L1476.	0.8	75
25	Ferroelectric phases in a chiral bent-core smectic liquid crystal: Dielectric and optical second-harmonic generation measurements. <i>Physical Review E</i> , 2000, 62, R4524-R4527.	0.8	74
26	Enantiomeric excess dependence of the phase diagram of antiferroelectric liquid crystals. <i>Physical Review E</i> , 2002, 65, 061703.	0.8	73
27	Structure of nanoscale-pitch helical phases: blue phase and twist-bend nematic phase resolved by resonant soft X-ray scattering. <i>Soft Matter</i> , 2017, 13, 6694-6699.	1.2	70
28	Ideal Liquid Crystal Display Mode Using Achiral Banana-Shaped Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L282-L284.	0.8	67
29	Theoretical and experimental study of the intermediate Sm CFI \tilde{S}^* and the Sm CFI \tilde{S}^1 phases in antiferroelectric liquid crystals. <i>Journal of Chemical Physics</i> , 2002, 117, 1817-1826.	1.2	66
30	Switching Mechanism in Polar Columnar Mesophases Made of Bent-Core Molecules. <i>ChemPhysChem</i> , 2005, 6, 1087-1093.	1.0	62
31	Lyotropic Cubic Phases for Drug Delivery: Diffusion and Sustained Release from the Mesophase Evaluated by Electrochemical Methods. <i>Langmuir</i> , 2015, 31, 12753-12761.	1.6	62
32	Multiple Polar and Nonpolar Nematic Phases. <i>ChemPhysChem</i> , 2021, 22, 2506-2510.	1.0	62
33	Strong two-photon absorption enhancement in a unique bis-porphyrin bearing a diketopyrrolopyrrole unit. <i>Chemical Communications</i> , 2013, 49, 8368.	2.2	61
34	Odd-even effect in biphenyl-based symmetrical dimers with methylene spacer – evidence of the B4 phase. <i>Liquid Crystals</i> , 2008, 35, 401-406.	0.9	56
35	Multidimensional structures made by gold nanoparticles with shape-adaptive grafting layers. <i>Soft Matter</i> , 2010, 6, 5397.	1.2	55
36	Monoolein Cubic Phase Gels and Cubosomes Doped with Magnetic Nanoparticles – Hybrid Materials for Controlled Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2796-2805.	4.0	55

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37	The Chiral Twist-Bend Nematic Phase (N^*_{TB}). Chemistry - A European Journal, 2019, 25, 13329-13335.	1.7	55
38	Physical gels made of liquid crystalline B ₄ phase. Chemical Communications, 2013, 49, 3119.	2.2	54
39	Metal Nanoparticles with Liquid-Crystalline Ligands: Controlling Nanoparticle Superlattice Structure and Properties. ChemPhysChem, 2014, 15, 1283-1295.	1.0	52
40	Liquid crystal phases formed by asymmetric bent-shaped molecules. Journal of Materials Chemistry, 2003, 13, 2132.	6.7	50
41	Eu ³⁺ and Tb ³⁺ doped LaPO ₄ nanorods, modified with a luminescent organic compound, exhibiting tunable multicolour emission. RSC Advances, 2014, 4, 46305-46312.	1.7	50
42	Induced Antiferroelectric Smectic-C* Phase by Doping Ferroelectric-C* Phase with Bent-Shaped Molecules. Physical Review Letters, 2000, 85, 2526-2529.	2.9	49
43	Multiple nematic phases observed in chiral mesogenic dimers. Journal of Materials Chemistry C, 2013, 1, 46-49.	2.7	49
44	Photoresponsive helical nanofilaments of B ₄ phase. Journal of Materials Chemistry C, 2014, 2, 2323-2327.	2.7	49
45	Reentrant Ferroelectricity in Liquid Crystals. Physical Review Letters, 2001, 86, 3048-3051.	2.9	47
46	Synthesis and linear and nonlinear optical properties of low-melting π -extended porphyrins. Journal of Materials Chemistry C, 2013, 1, 2044.	2.7	47
47	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.	6.7	45
48	Re-entrant Isotropic Phase between Lamellar and Columnar Mesophases. Journal of the American Chemical Society, 2002, 124, 8884-8890.	6.6	44
49	Bent-core molecules with lateral halogen atoms forming tilted, synclinic and anticlinic, lamellar phases. Journal of Materials Chemistry, 2004, 14, 2374.	6.7	44
50	A nematic-polar columnar phase sequence in new bent-shaped liquid crystals based on a 7-hydroxynaphthalene-2-carboxylic acid core. Journal of Materials Chemistry, 2009, 19, 3153.	6.7	43
51	Nanoparticles in a Capillary Trap: Dynamic Self-Assembly at Fluid Interfaces. ACS Nano, 2013, 7, 8833-8839.	7.3	42
52	Modulated Structures in Bent-Core Liquid Crystals: Two Faces of One Phase. Physical Review Letters, 2007, 98, 247802.	2.9	41
53	Temperature-controlled liquid crystalline polymorphism of gold nanoparticles. Soft Matter, 2011, 7, 10561.	1.2	40
54	Ionic Strength-Controlled Deposition of Charged Nanoparticles on a Solid Substrate. Journal of Physical Chemistry C, 2011, 115, 19096-19103.	1.5	40

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55	Evidence of germanium segregation in gold thin films. <i>Surface Science</i> , 2018, 674, 73-78.	0.8	40
56	Helix twist inversion in ferroelectric liquid crystals with one chiral centre. <i>Liquid Crystals</i> , 1995, 19, 589-594.	0.9	39
57	Enhanced chirality by adding achiral molecules into the chiral system. <i>Physical Review E</i> , 2003, 67, 061704.	0.8	38
58	Fluorinated metallomesogens – lamellar versus columnar phase formation. <i>Journal of Materials Chemistry</i> , 2009, 19, 1395.	6.7	38
59	X-ray studies of the hexatic phase in liquid crystals with a crystal-B-hexatic-B-smectic-A-phase sequence. <i>Physical Review E</i> , 1994, 50, 2863-2867.	0.8	36
60	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
61	Paraelectric-antiferroelectric phase transition in achiral liquid crystals. <i>Physical Review E</i> , 2005, 72, 060701.	0.8	36
62	Polar order and tilt in achiral smectic phases. <i>Physical Review E</i> , 2006, 74, 021702.	0.8	36
63	Polar order in columnar phase made of polycatenar bent-core molecules. <i>Physical Review E</i> , 2006, 73, 031704.	0.8	36
64	Phase Transition in Salt-Free Catanionic Surfactant Mixtures Induced by Temperature. <i>Langmuir</i> , 2010, 26, 34-40.	1.6	36
65	Flexoelectricity in chiral nematic liquid crystals as a driving mechanism for the twist-bend and splay-bend modulated phases. <i>Physical Review E</i> , 2014, 89, 030501.	0.8	36
66	Periodic In-Layer Director Modulations Responsible for the Stripe Texture Formation in Chiral Smectic-CPhase. <i>Physical Review Letters</i> , 1995, 75, 4047-4050.	2.9	35
67	Bent-shaped mesogens without an azomethine joint. <i>Journal of Materials Chemistry</i> , 2002, 12, 3392-3399.	6.7	35
68	Modulated general tilt structures in bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 3044.	6.7	34
69	Optimum deposition conditions of ultrasmooth silver nanolayers. <i>Nanoscale Research Letters</i> , 2014, 9, 153.	3.1	34
70	Ferroelectric behavior of orthogonal smectic phase made of bent-core molecules. <i>Physical Review E</i> , 2011, 84, 031706.	0.8	34
71	Transition between two orthogonal polar phases in symmetric bent-core liquid crystals. <i>Soft Matter</i> , 2011, 7, 2895.	1.2	32
72	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

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73	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , 2020, 32, e1905591.	11.1	31
74	Twist-Bend Nematogenic Supramolecular Dimers and Trimers Formed by Hydrogen Bonding. <i>Crystals</i> , 2020, 10, 175.	1.0	31
75	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
76	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
77	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
78	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
79	Remarkable smectic phase behaviour in odd-membered liquid crystal dimers: the CT6O series. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5167-5173.	2.7	30
80	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
81	Smectic mesophases of functionalized silver and gold nanoparticles with anisotropic plasmonic properties. <i>Chemical Communications</i> , 2013, 49, 7845.	2.2	29
82	Thermotropic cubic and tetragonal phases made of rod-like molecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16067-16074.	1.3	29
83	Liquid crystal dimers and the twist-bend nematic phase: On the role of spacers and terminal alkyl chains. <i>Journal of Molecular Liquids</i> , 2020, 320, 114391.	2.3	29
84	Molecular Packing in Double Gyroid Cubic Phases Revealed via Resonant Soft X-Ray Scattering. <i>Physical Review Letters</i> , 2020, 125, 027801.	2.9	29
85	Twist-Bend Nematic Glasses: The Synthesis and Characterisation of Pyrene-based Nonsymmetric Dimers. <i>ChemPhysChem</i> , 2021, 22, 461-470.	1.0	29
86	Modulated and intercalated smectic phases formed by dimeric molecules. <i>Journal of Materials Chemistry</i> , 2003, 13, 34-37.	6.7	28
87	Synthesis and mesomorphic properties of 7-(4-cyloxyphenyl)-4-benzopyranone. <i>Liquid Crystals</i> , 2007, 34, 649-654.	0.9	28
88	Electron Density Modulations in Columnar Banana Phases. <i>Chemistry of Materials</i> , 2007, 19, 3027-3031.	3.2	28
89	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
90	A liquid-crystalline fullerene-oligophenylenevinylene dyad which displays columnar mesomorphism. <i>Soft Matter</i> , 2011, 7, 4948.	1.2	28

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91	Non-symmetric chiral isoflavone dimers: synthesis, characterisation and mesomorphic behaviour. <i>Liquid Crystals</i> , 2012, 39, 1041-1047.	0.9	28
92	Monolayer Filaments versus Multilayer Stacking of Bent-Core Molecules. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3468-3472.	7.2	28
93	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
94	Phototunable Liquid-Crystalline Phases Made of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13725-13728.	7.2	27
95	Hydrogen bonding and the design of twist-bend nematogens. <i>Journal of Molecular Liquids</i> , 2020, 303, 112630.	2.3	27
96	Columnar Mesomorphism of Bi- and Trinuclear Ni(II), Cu(II), and VO(II) cis-Enamionoketone Complexes with Low Symmetry. <i>Inorganic Chemistry</i> , 2000, 39, 4879-4885.	1.9	26
97	Short-range smectic fluctuations and the flexoelectric model of modulated nematic liquid crystals. <i>Physical Review E</i> , 2016, 93, 022704.	0.8	26
98	First symmetrical banana compounds exhibiting SmAPR mesophase and unique transition between two orthogonal polar phases. <i>Chemical Communications</i> , 2009, , 6592.	2.2	25
99	H-shaped liquid crystalline dimers. <i>Liquid Crystals</i> , 2011, 38, 149-154.	0.9	25
100	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
101	Supramolecular liquid crystals exhibiting a chiral twist-bend nematic phase. <i>Materials Advances</i> , 2020, 1, 1622-1630.	2.6	24
102	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
103	2-D Density-modulated structures in asymmetric bent-core liquid crystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 881.	6.7	23
104	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
105	Structural studies of the bond-orientational order and hexatic-smectic transition in liquid crystals of various compositions. <i>Soft Matter</i> , 2017, 13, 3240-3252.	1.2	23
106	Enaminoketones as calamitic liquid crystals with a novel hydrogen-bonded rigid core. <i>Liquid Crystals</i> , 1991, 10, 593-595.	0.9	22
107	Calamitic or columnar mesomorphism determined by number and position of substituents in enaminoketone Cu(II), Ni(II) and Co(II) complexes. <i>Liquid Crystals</i> , 1998, 25, 117-121.	0.9	22
108	Charge Transportation and Chirality in Liquid Crystalline Helical Network Phases of Achiral BTBT-Derived Polycatenar Molecules. <i>Advanced Functional Materials</i> , 2021, 31, 2102271.	7.8	22

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109	Novel Series of Enaminoketone Liquid Crystals Having Hexatic Smectic B Phase. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 237, 75-84.	0.3	21
110	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
111	Switchable fluorescent liquid crystals. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	20
112	Evidence for general tilt columnar liquid crystalline phase. <i>Soft Matter</i> , 2009, 5, 2281.	1.2	20
113	Polar and Apolar Columnar Phases Made of Bent-Core Mesogens. <i>Topics in Current Chemistry</i> , 2011, 318, 281-302.	4.0	20
114	Reentrant orthogonal smectic- A phase below a tilted smectic- C phase in a chiral compound. <i>Physical Review E</i> , 2011, 83, 020701.	0.8	20
115	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
116	Chiral liquid crystalline compounds with a re-entrant SmA^* phase. <i>Journal of Materials Chemistry</i> , 2011, 21, 14807.	6.7	19
117	Enzymes and mediators hosted together in lipidic mesophases for the construction of biodevices. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 130-136.	5.0	19
118	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
119	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
120	Organic nanotubes created from mesogenic derivatives. <i>Nanoscale Advances</i> , 2019, 1, 2835-2839.	2.2	19
121	Paramagnetic liquid-crystalline complexes based on novel enaminoketone ligands. <i>Liquid Crystals</i> , 1992, 11, 797-802.	0.9	18
122	Phenyl-cyclohexyl enaminoketone ligands and their Cu(II) complexes. <i>Liquid Crystals</i> , 1993, 14, 773-784.	0.9	18
123	Smectic polymorphism in a series of three-ring enaminoketone compounds. <i>Liquid Crystals</i> , 1993, 14, 1837-1846.	0.9	18
124	Behavior of frustrated phase in ferroelectric and antiferroelectric liquid crystalline mixtures. <i>Physical Review E</i> , 2000, 61, 6674-6677.	0.8	18
125	Synthesis, characterisation and functionalisation of ZnO and TiO ₂ nanostructures: used as dopants in liquid crystal polymers. <i>Liquid Crystals</i> , 2014, 41, 91-100.	0.9	18
126	Photonic Bandgap in Achiral Liquid Crystals – A Twist on a Twist. <i>Advanced Materials</i> , 2021, 33, e2103288.	11.1	18

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127	Nanocomposite of superparamagnetic maghemite nanoparticles and ferroelectric liquid crystal. RSC Advances, 2013, 3, 10919.	1.7	17
128	From Sponges to Nanotubes: A Change of Nanocrystal Morphology for Acute Angle Bent-Core Molecules. Angewandte Chemie - International Edition, 2016, 55, 12238-12242.	7.2	17
129	Growth model and structure evolution of Ag layers deposited on Ge films. Beilstein Journal of Nanotechnology, 2018, 9, 66-76.	1.5	17
130	Controlling spontaneous chirality in achiral materials: liquid crystal oligomers and the heliconical twist-bend nematic phase. Chemical Communications, 2022, 58, 5285-5288.	2.2	17
131	New series of 4-(4-octyloxybiphenyl-4-yloxymethyl)benzoic acid derivatives with mesogenic properties. Journal of Materials Chemistry, 1999, 9, 361-369.	6.7	16
132	Growth of a Plate-Shaped SrTiO ₃ /TiO ₂ Eutectic. Crystal Growth and Design, 2011, 11, 3935-3940.	1.4	16
133	Synthesis and study of new rod-like mesogens containing 2-aminothiophene unit. Tetrahedron, 2012, 68, 8172-8180.	1.0	16
134	Eu(III)-coupled luminescent multi-walled carbon nanotubes in surfactant solutions. Carbon, 2012, 50, 436-443.	5.4	16
135	Charged additives modify drug release rates from lipidic cubic phase carriers by modulating electrostatic interactions. Journal of Electroanalytical Chemistry, 2018, 819, 269-274.	1.9	16
136	X-Ray Studies of Bond Orientational Order in Liquid-Crystalline Orthogonal Hexatic-B Phase. Europhysics Letters, 1994, 27, 507-512.	0.7	15
137	Multicritical point involving hexatic smectic phases. Physical Review E, 1995, 52, 1748-1752.	0.8	15
138	Evidence of the smectic antiphase C ₂ in 4-decyloxybiphenyl ester imide derivatives. Journal of Materials Chemistry, 1999, 9, 371-374.	6.7	15
139	Synthesis and properties of a new series of mesogenic compounds with pyridine, oxidopyridinium, thienyl and furyl moieties. Journal of Materials Chemistry, 2001, 11, 741-748.	6.7	15
140	Synthesis, thermal stabilities, and anisotropic properties of some new isoflavone-based esters 7-(decanoyloxy-(4-substitutedphenyl)-4H-1-benzopyran-4-ones. Liquid Crystals, 2008, 35, 315-323.	0.9	15
141	Gold nanoparticles with flexible mesogenic grafting layers. Soft Matter, 2013, 9, 3005.	1.2	15
142	Optical properties of thiophene-containing liquid crystalline and hybrid liquid crystalline materials. New Journal of Chemistry, 2014, 38, 2927-2934.	1.4	15
143	Supramolecular organization of bi- and terthiophene disubstituted diketopyrrolopyrrole, donor-acceptor-donor semiconducting derivatives. Synthetic Metals, 2015, 204, 133-140.	2.1	15
144	All-organic liquid crystalline radicals with a spin unit in the outer position of a bent-core system. Journal of Materials Chemistry C, 2016, 4, 11540-11547.	2.7	15

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145	Linkage-length dependent structuring behaviour of bent-core molecules in helical nanostructures. <i>Soft Matter</i> , 2016, 12, 3326-3330.	1.2	15
146	Azobenzene-based liquid crystal dimers and the twist-bend nematic phase. <i>Liquid Crystals</i> , 0, , 1-19.	0.9	15
147	Polarization Gratings Spontaneously Formed from a Helical Twist-Bend Nematic Phase. <i>ChemPhysChem</i> , 2018, 19, 2566-2571.	1.0	15
148	Orthogonal hexatic smectic phase-rare or common?. <i>Liquid Crystals</i> , 1995, 19, 85-91.	0.9	14
149	Novel Nonsymmetric Trimeric Liquid Crystals Exhibiting Glassy Nematic State at Low Temperatures. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 487, 135-152.	0.4	14
150	Aggregation and Layering Transitions in Thin Films of X-Shaped and Anchor-Shaped Bolaamphiphiles at the Air-Water Interface. <i>Chemistry - A European Journal</i> , 2011, 17, 5861-5873.	1.7	14
151	Morphological changes of gold nanoparticles due to adsorption onto silicon substrate and oxygen plasma treatment. <i>RSC Advances</i> , 2014, 4, 12729-12736.	1.7	14
152	Control of sample alignment mode for hybrid lamellar systems based on gold nanoparticles. <i>Chemical Communications</i> , 2014, 50, 7975.	2.2	14
153	Double gyroid structures made of asymmetric dimers. <i>Liquid Crystals</i> , 2016, 43, 235-240.	0.9	14
154	Liquid-Crystalline Elastomers with Gold Nanoparticle Cross-Linkers. <i>Chemistry - A European Journal</i> , 2017, 23, 8912-8920.	1.7	14
155	Security use of the chiral photonic film made of helical liquid crystal structures. <i>Nanoscale</i> , 2020, 12, 21629-21634.	2.8	14
156	New structural model of a chiral cubic liquid crystalline phase. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12814-12820.	1.3	14
157	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
158	Effect of dimerization on the field-induced birefringence in ferrofluids. <i>Physical Review E</i> , 2013, 87, 062322.	0.8	13
159	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
160	Design and investigation of de Vries liquid crystals based on 5-phenyl-pyrimidine and (<i>R,R</i>) Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50	0.8	13
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