

Antal I Jakli

List of Publications by Year in descending order

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papers

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docs citations

247
times ranked

3562
citing authors

#	ARTICLE	IF	CITATIONS
1	Nematic twist-bend phase with nanoscale modulation of molecular orientation. Nature Communications, 2013, 4, 2635.	12.8	534
2	Giant Flexoelectricity of Bent-Core Nematic Liquid Crystals. Physical Review Letters, 2006, 97, 157802.	7.8	302
3	Liquid crystals of the twenty-first century – nematic phase of bent-core molecules. Liquid Crystals Reviews, 2013, 1, 65-82.	4.1	157
4	Polar bent-shape liquid crystals – from molecular bend to layer splay and chirality. Soft Matter, 2013, 9, 615-637.	2.7	149
5	Thermotropic liquid crystal films for biosensors and beyond. Journal of Materials Chemistry B, 2017, 5, 5061-5078.	5.8	148
6	Thermally Active Liquid Crystal Network Gripper Mimicking the Self-Peeling of Gecko Toe Pads. Advanced Materials, 2017, 29, 1604021.	21.0	145
7	Nonstandard electroconvection in a bent-core nematic liquid crystal. Physical Review E, 2005, 72, 041712.	2.1	122
8	Physics of liquid crystals of bent-shaped molecules. Reviews of Modern Physics, 2018, 90, .	45.6	118
9	Stable amorphous blue phase of bent-core nematic liquid crystals doped with a chiral material. Journal of Materials Chemistry, 2010, 20, 5893.	6.7	114
10	Ester-type banana-shaped monomers and investigations of their electro-optical properties. Macromolecular Chemistry and Physics, 2002, 203, 1556-1563.	2.2	106
11	Blue Phase, Smectic Fluids, and Unprecedented Sequences in Liquid Crystal Dimers. Chemistry of Materials, 2006, 18, 6100-6102.	6.7	101
12	Evidence for Triclinic Symmetry in Smectic Liquid Crystals of Bent-Shape Molecules. Physical Review Letters, 2001, 86, 5715-5718.	7.8	100
13	Twist-bend nematic liquid crystals in high magnetic fields. Physical Review E, 2014, 89, 060501.	2.1	100
14	Nature-Inspired light-harvesting liquid crystalline porphyrins for organic photovoltaics. Liquid Crystals, 2008, 35, 233-239.	2.2	98
15	Elastic constants and orientational viscosities of a bent-core nematic liquid crystal. Physical Review E, 2011, 83, 031701.	2.1	97
16	Electric-field-induced chiral separation in liquid crystals. Physical Review E, 1999, 60, 5575-5579.	2.1	96
17	Dynamics of the nematic phase of a bent-core liquid crystal. Physical Review E, 2002, 66, 060701.	2.1	89
18	Smart Muscles-Driven Self-Cleaning of Biomimetic Microstructures from Liquid Crystal Elastomers. Advanced Materials, 2015, 27, 6828-6833.	21.0	86

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19	Direct observation of liquid crystals using cryo-TEM: Specimen preparation and low-dose imaging. <i>Microscopy Research and Technique</i> , 2014, 77, 754-772.	2.2	85
20	Liquid crystal fibers of bent-core molecules. <i>Physical Review E</i> , 2003, 67, 051702.	2.1	78
21	A liquid crystal biosensor for specific detection of antigens. <i>Sensing and Bio-Sensing Research</i> , 2016, 8, 31-35.	4.2	76
22	Short-range smectic order in bent-core nematic liquid crystals. <i>Soft Matter</i> , 2010, 6, 4819.	2.7	75
23	Rheological properties of bent-core liquid crystals. <i>Soft Matter</i> , 2009, 5, 3618.	2.7	71
24	Thermotropic Liquid Crystal-Assisted Chemical and Biological Sensors. <i>Materials</i> , 2018, 11, 20.	2.9	70
25	Reversible Switching Between Optically Isotropic and Birefringent States in a Bent-Core Liquid Crystal. <i>Advanced Materials</i> , 2003, 15, 1606-1610.	21.0	69
26	Liquid crystalline amorphous blue phase and its large electrooptical Kerr effect. <i>Journal of Materials Chemistry</i> , 2011, 21, 2855.	6.7	69
27	Magnetic-Field Induced Isotropic to Nematic Liquid Crystal Phase Transition. <i>Physical Review Letters</i> , 2008, 101, 247801.	7.8	67
28	Critical behavior at the isotropic-to-nematic phase transition in a bent-core liquid crystal. <i>Physical Review E</i> , 2006, 73, 030703.	2.1	66
29	Smart biomimetic micro/nanostructures based on liquid crystal elastomers and networks. <i>Soft Matter</i> , 2017, 13, 8006-8022.	2.7	66
30	Optical studies of the nematic phase of an oxazole-derived bent-core liquid crystal. <i>Physical Review E</i> , 2003, 68, 041704.	2.1	64
31	Magnetically tunable selective reflection of light by heliconical cholesterics. <i>Physical Review E</i> , 2016, 94, 042705.	2.1	64
32	Uniform textures of smectic liquid-crystal phase formed by bent-core molecules. <i>Physical Review E</i> , 1998, 57, 6737-6740.	2.1	63
33	Electro-optic technique to study biaxiality of liquid crystals with positive dielectric anisotropy: The case of a bent-core material. <i>Physical Review E</i> , 2009, 79, 030701.	2.1	62
34	Dielectric properties of mixtures of a bent-core and a calamitic liquid crystal. <i>Physical Review E</i> , 2010, 81, 031711.	2.1	62
35	Electro-mechanical effects in liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 825-837.	2.2	62
36	Direct Observation of Smectic Layers in Thermotropic Liquid Crystals. <i>Physical Review Letters</i> , 2012, 109, 107802.	7.8	62

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37	Helical nanofilaments of bent-core liquid crystals with a second twist. <i>Nature Communications</i> , 2014, 5, 3302.	12.8	62
38	Distinct differences in the nanoscale behaviors of the twist-bend liquid crystal phase of a flexible linear trimer and homologous dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10698-10704.	7.1	62
39	Nematic Anisotropic Liquid-Crystal Gels Self-Assembled Nanocomposites with High Electromechanical Response. <i>Advanced Functional Materials</i> , 2003, 13, 525-529.	14.9	61
40	Ester type banana-shaped liquid crystalline monomers: synthesis and physical properties. <i>Journal of Materials Chemistry</i> , 2004, 14, 2499-2506.	6.7	61
41	Giant flexoelectricity in bent-core nematic liquid crystal elastomers. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	61
42	Light shutters from antiferroelectric liquid crystals of bent-shaped molecules. <i>Liquid Crystals</i> , 2002, 29, 377-381.	2.2	57
43	Viscosities of a bent-core nematic liquid crystal. <i>Liquid Crystals</i> , 2008, 35, 149-155.	2.2	57
44	Unexpected liquid crystalline behaviour of three-ring bent-core mesogens: bis(4-subst.-phenyl) 2-methyl-iso-phthalates. <i>Soft Matter</i> , 2012, 8, 2671.	2.7	56
45	Chiral nematic liquid crystal microlenses. <i>Scientific Reports</i> , 2017, 7, 1603.	3.3	56
46	Improving Liquid-Crystal-Based Biosensing in Aqueous Phases. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6884-6890.	8.0	55
47	Search for biaxiality in a shape-persistent bent-core nematic liquid crystal. <i>Soft Matter</i> , 2012, 8, 8880.	2.7	55
48	Flow properties of a twist-bend nematic liquid crystal. <i>RSC Advances</i> , 2014, 4, 57419-57423.	3.6	52
49	A fibre forming smectic twist-bend liquid crystalline phase. <i>RSC Advances</i> , 2015, 5, 11207-11211.	3.6	52
50	Ferroelectric-chiral-antiferroelectric-racemic liquid crystal phase transition of bent-shape molecules. <i>Physical Review E</i> , 2002, 66, 021706.	2.1	48
51	Electrorotation of colloidal particles in liquid crystals. <i>Physical Review E</i> , 2005, 72, 031704.	2.1	47
52	Fast Giant Photorheological Effect in a Liquid Crystal Dimer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802032.	3.7	47
53	New electromechanical effect in chiral smectic C* liquid crystals. <i>Journal De Physique (Paris), Lettres</i> , 1985, 46, 759-761.	2.8	46
54	Glass forming banana-shaped compounds: Vitrified liquid crystal states. <i>Physical Review E</i> , 2004, 69, 021707.	2.1	45

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55	Electroresponsive Ionic Liquid Crystal Elastomers. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900299.	3.9	45
56	Ionic Elastomers for Electric Actuators and Sensors. <i>Engineering</i> , 2021, 7, 581-602.	6.7	44
57	Effect of a polymer network on the alignment and the rotational viscosity of a nematic liquid crystal. <i>Journal of Applied Physics</i> , 1992, 72, 3161-3164.	2.5	43
58	Achiral bent-core azo compounds: observation of photoinduced effects in an antiferroelectric tilted smectic mesophase. <i>Liquid Crystals</i> , 2004, 31, 473-479.	2.2	43
59	Large Flow Birefringence of Nematogenic Bent-Core Liquid Crystals. <i>Physical Review Letters</i> , 2009, 103, 237803.	7.8	43
60	Electrically Tunable Color by Using Mixtures of Bent-Core and Rod-Shaped Molecules. <i>Advanced Materials</i> , 2008, 20, 3138-3142.	21.0	42
61	Highly Hydrophobic Electrospun Fiber Mats from Polyisobutylene-Based Thermoplastic Elastomers. <i>Biomacromolecules</i> , 2011, 12, 1795-1799.	5.4	42
62	Liquid crystal/polymer fiber mats as sensitive chemical sensors. <i>Journal of Molecular Liquids</i> , 2018, 267, 490-495.	4.9	42
63	Converse flexoelectric effect in a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2008, 78, 031702.	2.1	41
64	Piezoelectric and Electric-Field-Induced Properties of a Ferroelectric Bent-Core Liquid Crystal. <i>Advanced Materials</i> , 2009, 21, 3784-3788.	21.0	41
65	Colloidal micromotor in smectic A liquid crystal driven by DC electric field. <i>Soft Matter</i> , 2008, 4, 2471.	2.7	40
66	Mesophase structure and behaviour in bulk and restricted geometry of a dimeric compound exhibiting a nematic-nematic transition. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19299-19308.	2.8	40
67	Nanostructure and dielectric properties of a twist-bend nematic liquid crystal mixture. <i>Liquid Crystals</i> , 2014, 41, 1661-1667.	2.2	39
68	Morphology Tuning of Electrospun Liquid Crystal/Polymer Fibers. <i>ChemPhysChem</i> , 2016, 17, 3080-3085.	2.1	39
69	Multiple ferroelectric nematic phases of a highly polar liquid crystal compound. <i>Liquid Crystals</i> , 2022, 49, 1784-1796.	2.2	39
70	Smectic phase in suspensions of gapped DNA duplexes. <i>Nature Communications</i> , 2016, 7, 13358.	12.8	38
71	Optically isotropic liquid-crystal phase of bent-core molecules with polar nanostructure. <i>Physical Review E</i> , 2005, 72, 021710.	2.1	37
72	Highly piezoelectric biocompatible and soft composite fibers. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	37

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73	Role of Molecular Shape on Bent-Core Liquid-Crystal Structures. <i>Physical Review Letters</i> , 2007, 99, 207801.	7.8	36
74	Electromechanical effect in S*c liquid crystals. <i>Ferroelectrics</i> , 1986, 69, 153-163.	0.6	35
75	An unusual type of polymorphism in a liquid crystal. <i>Nature Communications</i> , 2018, 9, 714.	12.8	35
76	Macroscopic chirality of a liquid crystal from nonchiral molecules. <i>Physical Review E</i> , 2001, 63, 061710.	2.1	34
77	Accurate Optical Detection of Amphiphiles at Liquid-Crystal/Water Interfaces. <i>Physical Review Applied</i> , 2014, 1, .	3.8	34
78	Preliminary communication Helical superstructures in a novel smectic mesophase formed by achiral banana-shaped molecules. <i>Liquid Crystals</i> , 2006, 33, 1513-1523.	2.2	33
79	Indication of ferroelectricity in columnar mesophases of pyramidic molecules. <i>Liquid Crystals</i> , 1997, 22, 309-316.	2.2	31
80	Langmuir Monolayers of Bent-Core Molecules. <i>Langmuir</i> , 2004, 20, 2772-2780.	3.5	31
81	Calamitic Liquid-Crystalline Elastomers Swollen in Bent-Core Liquid-Crystal Solvents. <i>Advanced Materials</i> , 2009, 21, 1622-1626.	21.0	31
82	Alignment by Langmuir/Schaefer monolayers of bent-core liquid crystals. <i>Soft Matter</i> , 2011, 7, 9043.	2.7	31
83	A comparison of short-range molecular order in bent-core and rod-like nematic liquid crystals. <i>Soft Matter</i> , 2013, 9, 1817-1824.	2.7	31
84	Anomalous Increase in Nematic-Isotropic Transition Temperature in Dimer Molecules Induced by a Magnetic Field. <i>Physical Review Letters</i> , 2016, 116, 217801.	7.8	30
85	Heliconical-layered nanocylinders (HLNCs) – hierarchical self-assembly in a unique B4 phase liquid crystal morphology. <i>Materials Horizons</i> , 2019, 6, 959-968.	12.2	30
86	Electrically Tunable Reflection Color of Chiral Ferroelectric Nematic Liquid Crystals. <i>Advanced Optical Materials</i> , 2021, 9, 2101230.	7.3	30
87	Structural transitions of smectic phases formed by achiral bent-core molecules. <i>Ferroelectrics</i> , 2000, 243, 239-247.	0.6	29
88	Direct piezoelectric responses of soft composite fiber mats. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	29
89	Oligomeric odd-even effect in liquid crystals. <i>Materials Horizons</i> , 2019, 6, 1905-1912.	12.2	29
90	Light-induced changes of optical and electrical properties in bent-core azo compounds. <i>Physical Review E</i> , 2005, 71, 021709.	2.1	28

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91	Spherical-cap droplets of a photo-responsive bent liquid crystal dimer. <i>Soft Matter</i> , 2019, 15, 989-998.	2.7	28
92	A Dual Modulated Homochiral Helical Nanofilament Phase with Local Columnar Ordering Formed by Bent Core Liquid Crystals: Effects of Molecular Chirality. <i>Small</i> , 2016, 12, 3944-3955.	10.0	27
93	Spontaneous transition from chevron to striped texture of a planar smectic-C*liquid crystal. <i>Physical Review A</i> , 1992, 45, 5674-5679.	2.5	26
94	Airbrush Formation of Liquid Crystal/Polymer Fibers. <i>ChemPhysChem</i> , 2015, 16, 1839-1841.	2.1	26
95	Tuning charge carrier transport and optical birefringence in liquid-crystalline thin films: A new design space for organic light-emitting diodes. <i>Scientific Reports</i> , 2018, 8, 699.	3.3	26
96	Flexoelectricity in Flexoionic Polymer Electrolyte Membranes: Effect of Thiosiloxane Modification on Poly(ethylene glycol) Diacrylate and Ionic Liquid Electrolyte Composites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16978-16986.	8.0	26
97	A bent-shape liquid crystal compound with antiferroelectric triclinic-monoclinic phase transition. <i>Liquid Crystals</i> , 2003, 30, 265-271.	2.2	25
98	Bistable linear electro-optical switching in the B7â€² phase of novel bent-core molecules. <i>Soft Matter</i> , 2006, 2, 215.	2.7	24
99	Fluorine containing nonsymmetrical five-ring achiral banana-shaped compounds with columnar and synclinc antiferroelectric layered phases. <i>Soft Matter</i> , 2006, 2, 785.	2.7	24
100	Anisotropy in Langmuir Layers of a Bent-Core Liquid Crystal. <i>Langmuir</i> , 2006, 22, 3198-3206.	3.5	24
101	Magneto-optical technique for detecting the biaxial nematic phase. <i>Physical Review E</i> , 2011, 84, 021705.	2.1	24
102	Deciphering chiral structures in soft materials via resonant soft and tender X-ray scattering. <i>Giant</i> , 2020, 2, 100018.	5.1	24
103	Converging Microlens Array Using Nematic Liquid Crystals Doped with Chiral Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4574-4582.	8.0	24
104	Method to obtain uniform bookshelf textures in smectic C* liquid crystals. <i>Applied Physics Letters</i> , 1992, 60, 2622-2624.	3.3	23
105	Nanophase segregation of nonpolar solvents in smectic liquid crystals of bent-shape molecules. <i>Physical Review E</i> , 2002, 66, 031708.	2.1	23
106	Observation of a possible tetrahedric phase in a bent-core liquid crystal. <i>Physical Review E</i> , 2008, 77, 061701.	2.1	23
107	Nanostructures of liquid crystal phases in mixtures of bent-core and rod-shaped molecules. <i>Physical Review E</i> , 2011, 83, 061702.	2.1	23
108	Helix deformation and bistable switching of ferroelectric liquid crystals. <i>Journal of Applied Physics</i> , 1996, 79, 1891-1894.	2.5	22

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109	Oddâ€even effects in bent-core compounds containing terminal n-alkyl carboxylate groups. <i>Soft Matter</i> , 2006, 2, 875-885.	2.7	22
110	Pattern-Stabilized Decorated Polar Liquid-Crystal Fibers. <i>Physical Review Letters</i> , 2012, 109, 017801.	7.8	22
111	Two distinct modulated layer structures of an asymmetric bent-shape smectic liquid crystal. <i>Liquid Crystals</i> , 2012, 39, 1149-1157.	2.2	22
112	Structure of polymer networks dispersed in liquid crystals: Small angle neutron scattering study. <i>Liquid Crystals</i> , 1994, 17, 227-234.	2.2	21
113	First observation of electromechanical effects in a chiral ferroelectric columnar liquid crystal. <i>Liquid Crystals</i> , 1998, 24, 467-472.	2.2	21
114	Properties of the broad-range nematic phase of a laterally linked H-shaped liquid crystal dimer. <i>Liquid Crystals</i> , 2014, 41, 1345-1355.	2.2	21
115	Photodarkening and light induced anisotropy in chalcogenide glasses. <i>Solid State Communications</i> , 1984, 51, 761-764.	1.9	20
116	Chirality and polarity transfers between bent-core smectic liquid-crystal substances. <i>Physical Review E</i> , 2006, 74, 041706.	2.1	20
117	Chirality of lipids makes fluid lamellar phases piezoelectric. <i>Physical Review E</i> , 2009, 79, 011701.	2.1	20
118	Pretransitional behavior of viscoelastic parameters at the nematic to twist-bend nematic phase transition in flexible <i>n</i> -mers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13078-13089.	2.8	20
119	A special shear method of alignment for smectic liquid crystals. <i>Crystal Research and Technology</i> , 1988, 23, 949-954.	1.3	19
120	Inverse Langmuirâ€Schaefer films of bent-core molecules. <i>Liquid Crystals</i> , 2010, 37, 1229-1236.	2.2	19
121	Conductive behavior in relation to domain morphology and phase diagram of Nafion/poly(vinylidene-co-trifluoroethylene) blends. <i>Polymer</i> , 2012, 53, 196-204.	3.8	19
122	Non-linear electromechanical response of S*C liquid crystals. <i>Liquid Crystals</i> , 1990, 7, 105-114.	2.2	18
123	Piezoelectricity of phospholipids: a possible mechanism for mechanoreception and magnetoreception in biology. <i>Liquid Crystals</i> , 2008, 35, 395-400.	2.2	18
124	Bent-core liquid crystal elastomers. <i>Journal of Materials Chemistry</i> , 2010, 20, 8488.	6.7	18
125	Azo-containing asymmetric bent-core liquid crystals with modulated smectic phases. <i>RSC Advances</i> , 2015, 5, 64886-64891.	3.6	18
126	Second harmonic light scattering induced by defects in the twist-bend nematic phase of liquid crystal dimers. <i>Soft Matter</i> , 2016, 12, 4472-4482.	2.7	18

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127	Fluctuation Modes of a Twist-Bend Nematic Liquid Crystal. <i>Physical Review X</i> , 2016, 6, .	8.9	18
128	Rotational Viscosities of Polymer Solutions in a Low Molecular Weight Nematic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 198, 331-340.	0.7	17
129	The Role of Goldstone Mode and Electroclinic Effects in Electromechanical Responses of Chiral Smectic C Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 237, 389-398.	0.3	17
130	Second-harmonic generation in a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2010, 82, 041710.	2.1	17
131	Missing Link between Helical Nano- and Microfilaments in B4 Phase Bent-Core Liquid Crystals, and Deciphering which Chiral Center Controls the Filament Handedness. <i>Small</i> , 2020, 16, e1905591.	10.0	17
132	Dielectric properties of ferroelectric liquid crystals. <i>Ferroelectrics</i> , 1996, 180, 59-70.	0.6	16
133	Thermotropic liquid crystalline properties of amphiphilic branched chain glycolipids. <i>Liquid Crystals</i> , 2006, 33, 361-366.	2.2	16
134	Intercalated Smectic A Phases in Banana-Shaped Liquid Crystals with Carbonate End Groups. <i>ChemPhysChem</i> , 2006, 7, 2184-2188.	2.1	16
135	Physical properties of a bent-core nematic liquid crystal and its mixtures with calamitic molecules. <i>Phase Transitions</i> , 2012, 85, 872-887.	1.3	16
136	A piezoelectric thermoplastic elastomer containing a bent-core liquid crystal. <i>RSC Advances</i> , 2013, 3, 17446.	3.6	16
137	Nanostructure of Edge Dislocations in a Smectic-C* Liquid Crystal. <i>Physical Review Letters</i> , 2015, 115, 087801.	7.8	16
138	Poly(ethylene glycol) Diacrylate Based Electro-Active Ionic Elastomer. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900636.	3.9	16
139	Manipulation of the nanoscale heliconical structure of a twist-bend nematic material with polarized light. <i>Physical Review Research</i> , 2020, 2, .	3.6	16
140	Flexoelectricity of a calamitic liquid crystal elastomer swollen with a bent-core liquid crystal. <i>Journal of Materials Chemistry</i> , 2009, 19, 7909.	6.7	15
141	Field-induced thickness change of ferroelectric liquid crystal films. <i>Physical Review E</i> , 1996, 53, R5580-R5583.	2.1	14
142	Achiral banana-shaped mesogenic bidentate ligands and their Cu(II) and Pd(II) complexes. <i>Liquid Crystals</i> , 2002, 29, 1181-1185.	2.2	14
143	Bundles of fluid fibers formed by bent-core molecules. <i>Physical Review E</i> , 2010, 81, 031708.	2.1	14
144	Light scattering study of the "pseudo-layer" compression elastic constant in a twist-bend nematic liquid crystal. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31645-31652.	2.8	14

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145	Side-chain liquid crystalline polysiloxanes containing a cyanohydrin chiral centre. <i>Liquid Crystals</i> , 1993, 15, 497-511.	2.2	13
146	Polymorphic crystalline forms of 8OCB. <i>Liquid Crystals</i> , 2000, 27, 1035-1038.	2.2	13
147	Cryo-TEM studies of two smectic phases of an asymmetric bent-core material. <i>Liquid Crystals</i> , 2013, 40, 1636-1645.	2.2	13
148	Electro-Optic Effects in Smectic a Phase. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 222, 101-109.	0.3	12
149	Electromechanical responses of antiferroelectric and ferroelectric liquid crystals. <i>Journal of Applied Physics</i> , 1999, 85, 1101-1104.	2.5	12
150	Airbrushed Liquid Crystal/Polymer Fibers for Responsive Textiles. <i>Advances in Science and Technology</i> , 2016, 100, 43-49.	0.2	12
151	12 π : Smart Fabrics Functionalized by Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 147-149.	0.3	12
152	Liquid crystal core polymer fiber mat electronic gas sensors. <i>Liquid Crystals</i> , 2021, 48, 1880-1887.	2.2	12
153	Electromechanical effect in surface stabilized and unwound SC* liquid crystals. <i>Liquid Crystals</i> , 1989, 5, 1121-1126.	2.2	11
154	Microscopic Organization and Tilt Angle in Smectic A and Chiral Smectic C Phases: Characterization and Orientational Order by ^2H NMR and Electric Polarization Measurements. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 351, 245-257.	0.3	11
155	Electro-disclinc effect in tilted smectic phases of banana-shaped liquid crystal materials. <i>Liquid Crystals</i> , 2001, 28, 489-494.	2.2	11
156	Ferroelectric lyo-mesophase of banana-shaped molecules. <i>Liquid Crystals</i> , 2001, 28, 1279-1283.	2.2	11
157	Polymerizable Ester-Type Banana Liquid Crystals: A Comparative Study of Mesophase Behavior. <i>Macromolecular Symposia</i> , 2004, 218, 81-88.	0.7	11
158	Effects of Tether Length on the Behavior of Amphiphilic Bent-Core Molecules at Water Surfaces. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12809-12815.	2.6	11
159	Insertion of liquid crystal molecules into hydrocarbon monolayers. <i>Journal of Chemical Physics</i> , 2014, 141, 054901.	3.0	11
160	Indication of a twist-grain-boundary-twist-bend phase of flexible core bent-shape chiral dimers. <i>Soft Matter</i> , 2019, 15, 3283-3290.	2.7	11
161	Electrical transport properties and fractional dynamics of twist-bend nematic liquid crystal phase. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 70, 248-256.	3.3	11
162	Odd-even effects in liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 1010-1019.	2.2	11

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163	Properties of non-symmetric bent-core liquid crystals with variable flexible chain length. <i>Liquid Crystals</i> , 2010, 37, 537-545.	2.2	10
164	2-Alkoxy-1,3-thiazoles: A new core unit for incorporation into self-organising materials. Synthetic approach, mesomorphism, and electrooptic evaluation. <i>Liquid Crystals</i> , 2012, 39, 1175-1195.	2.2	10
165	Wide temperature-range, multi-component, optically isotropic antiferroelectric bent-core liquid crystal mixtures for display applications. <i>Liquid Crystals</i> , 2018, 45, 333-340.	2.2	10
166	Bending nematic liquid crystal membranes with phospholipids. <i>Soft Matter</i> , 2018, 14, 7003-7008.	2.7	10
167	The interplay between spatial and heliconical orientational order in twist-bend nematic materials. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4055-4063.	2.8	10
168	Mechano-Electrical Effects on Planar S* _C Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 201, 115-124.	0.7	9
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