

Antal I Jakli

List of Publications by Year in descending order

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238
papers

7,927
citations

47006

47
h-index

76900

74
g-index

247
all docs

247
docs citations

247
times ranked

3562
citing authors

#	ARTICLE	IF	CITATIONS
1	The C-eigenvalue of third order tensors and its application in crystals. <i>Journal of Industrial and Management Optimization</i> , 2023, 19, 265.	1.3	6
2	Defects in bent-core liquid crystals. <i>Liquid Crystals Reviews</i> , 2023, 11, 48-73.	4.1	6
3	Odd-even effects in liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 1010-1019.	2.2	11
4	Polymer Stabilized Paraboloid Liquid Crystal Microlenses with Integrated Pancharatnamâ€“Berry Phase. <i>Advanced Optical Materials</i> , 2022, 10, 2101510.	7.3	7
5	Ionic liquid crystal elastomers-based flexible organic electrochemical transistors: Effect of director alignment of the solid electrolyte. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	7
6	Multiple ferroelectric nematic phases of a highly polar liquid crystal compound. <i>Liquid Crystals</i> , 2022, 49, 1784-1796.	2.2	39
7	Converging Microlens Array Using Nematic Liquid Crystals Doped with Chiral Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4574-4582.	8.0	24
8	Mono- and bilayer smectic liquid crystal ordering in dense solutions of â€œgappedâ€“DNA duplexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
9	Liquid crystal core polymer fiber mat electronic gas sensors. <i>Liquid Crystals</i> , 2021, 48, 1880-1887.	2.2	12
10	Ionic Elastomers for Electric Actuators and Sensors. <i>Engineering</i> , 2021, 7, 581-602.	6.7	44
11	Flexo-Ionic Effect of Ionic Liquid Crystal Elastomers. <i>Molecules</i> , 2021, 26, 4234.	3.8	9
12	Lens shape liquid crystals in electric fields. <i>Journal of Molecular Liquids</i> , 2021, 334, 116085.	4.9	9
13	Liquid Crystal Structure of Supercooled Liquid Gallium and Eutectic Galliumâ€“Indium. <i>Advanced Materials</i> , 2021, 33, e2104807.	21.0	5
14	Liquid Crystal Structure of Supercooled Liquid Gallium and Eutectic Galliumâ€“Indium (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	21.0	0
15	Electrically Tunable Reflection Color of Chiral Ferroelectric Nematic Liquid Crystals. <i>Advanced Optical Materials</i> , 2021, 9, 2101230.	7.3	30
16	Role of Cationic Size and Valency in Mechanoelectrical Transduction of Ion-Containing Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1837-1845.	6.7	7
17	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
18	Mesomorphism of novel stilbene-based bent-core liquid crystals. <i>Liquid Crystals</i> , 2021, 48, 1054-1064.	2.2	4

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19	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
20	Deciphering chiral structures in soft materials via resonant soft and tender X-ray scattering. <i>Giant</i> , 2020, 2, 100018.	5.1	24
21	Antiferroelectric Bent-Core Liquid Crystal for Possible High-Power Capacitors and Electrocaloric Devices. <i>Crystals</i> , 2020, 10, 652.	2.2	8
22	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
23	Poly(ethylene glycol) Diacrylate Based Electro-Active Ionic Elastomer. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900636.	3.9	16
24	Liquid crystal spherical caps in magnetic fields. <i>Physical Review Research</i> , 2020, 2, .	3.6	7
25	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
26	Electroresponsive Ionic Liquid Crystal Elastomers. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900299.	3.9	45
27	High-Contrast and Fast Photorheological Switching of a Twist-Bend Nematic Liquid Crystal. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
28	Spherical-cap droplets of a photo-responsive bent liquid crystal dimer. <i>Soft Matter</i> , 2019, 15, 989-998.	2.7	28
29	Oligomeric odd-even effect in liquid crystals. <i>Materials Horizons</i> , 2019, 6, 1905-1912.	12.2	29
30	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
31	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
32	Liquid Crystals: Fast and Giant Photorheological Effect in a Liquid Crystal Dimer (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT ₃ /Overlock 10 Tf 50 2	3.7	1
33	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
34	The synthesis of 1-biphenyl-4-alkyl-[1,2,3]-triazoles and their mesomorphic behaviour. <i>Liquid Crystals</i> , 2019, 46, 1214-1223.	2.2	5
35	Fast and Giant Photorheological Effect in a Liquid Crystal Dimer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802032.	3.7	47
36	Polarization-Modulated Bent-Core Liquid Crystal Thin Films without Layer Undulation. <i>Physical Review Letters</i> , 2019, 122, 137801.	7.8	3

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37	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
38	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
39	An unusual type of polymorphism in a liquid crystal. <i>Nature Communications</i> , 2018, 9, 714.	12.8	35
40	Collective dynamics in dispersions of anisometric pigment particles. <i>Journal of Molecular Liquids</i> , 2018, 267, 322-329.	4.9	3
41	Liquid crystal/polymer fiber mats as sensitive chemical sensors. <i>Journal of Molecular Liquids</i> , 2018, 267, 490-495.	4.9	42
42	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
43	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
44	Physics of liquid crystals of bent-shaped molecules. <i>Reviews of Modern Physics</i> , 2018, 90, .	45.6	118
45	Fast Electro-Optical Switching of Dichroic Dye-Doped Antiferroelectric Liquid Crystals Without Polarizers. <i>Physical Review Applied</i> , 2018, 10, .	3.8	3
46	Bending nematic liquid crystal membranes with phospholipids. <i>Soft Matter</i> , 2018, 14, 7003-7008.	2.7	10
47	Thermotropic Liquid Crystal-Assisted Chemical and Biological Sensors. <i>Materials</i> , 2018, 11, 20.	2.9	70
48	An Optically Isotropic Antiferroelectric Liquid Crystal (OI-ALC) Display Mode Operating over a Wide Temperature Range using Ternary Bent-Core Liquid Crystal Mixtures. <i>ChemistryOpen</i> , 2017, 6, 196-200.	1.9	5
49	Chiral nematic liquid crystal microlenses. <i>Scientific Reports</i> , 2017, 7, 1603.	3.3	56
50	Smart Fabrics Functionalized by Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 147-149.	0.3	12
51	Thermotropic liquid crystal films for biosensors and beyond. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5061-5078.	5.8	148
52	Smart biomimetic micro/nanostructures based on liquid crystal elastomers and networks. <i>Soft Matter</i> , 2017, 13, 8006-8022.	2.7	66
53	Thermally Active Liquid Crystal Network Gripper Mimicking the Self-Peeling of Gecko Toe Pads. <i>Advanced Materials</i> , 2017, 29, 1604021.	21.0	145
54	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

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55	Application of wide-band liquid crystal reflective windows in building energy efficiency: A case study of educational buildings. , 2016, , .		1
56	A liquid crystal biosensor for specific detection of antigens. Sensing and Bio-Sensing Research, 2016, 8, 31-35.	4.2	76
57	Rupture and recoil of bent-core liquid crystal filaments. Soft Matter, 2016, 12, 4725-4730.	2.7	8
58	Second harmonic light scattering induced by defects in the twist-bend nematic phase of liquid crystal dimers. Soft Matter, 2016, 12, 4472-4482.	2.7	18
59	Spontaneously modulated chiral nematic structures of flexible bent-core liquid crystal dimers. Liquid Crystals, 2016, , 1-8.	2.2	5
60	Peculiarities of the magneto-optical response in dispersions of anisometric pigment nano-particles. RSC Advances, 2016, 6, 80666-80669.	3.6	2
61	Anomalous Increase in Nematic-Isotropic Transition Temperature in Dimer Molecules Induced by a Magnetic Field. Physical Review Letters, 2016, 116, 217801.	7.8	30
62	Morphology Tuning of Electrospun Liquid Crystal/Polymer Fibers. ChemPhysChem, 2016, 17, 3080-3085.	2.1	39
63	Fluctuation Modes of a Twist-Bend Nematic Liquid Crystal. Physical Review X, 2016, 6, .	8.9	18
64	Smectic phase in suspensions of gapped DNA duplexes. Nature Communications, 2016, 7, 13358.	12.8	38
65	Airbrushed Liquid Crystal/Polymer Fibers for Responsive Textiles. Advances in Science and Technology, 2016, 100, 43-49.	0.2	12
66	Light scattering study of the "pseudo-layer" compression elastic constant in a twist-bend nematic liquid crystal. Physical Chemistry Chemical Physics, 2016, 18, 31645-31652.	2.8	14
67	Magnetically tunable selective reflection of light by heliconical cholesterics. Physical Review E, 2016, 94, 042705.	2.1	64
68	Investigation of supramolecular architectures of bent-shaped pyridine derivatives: from a three-ring crystalline compound towards five-ring mesogens. New Journal of Chemistry, 2016, 40, 6977-6985.	2.8	3
69	Mesophase structure and behaviour in bulk and restricted geometry of a dimeric compound exhibiting a nematic "nematic" transition. Physical Chemistry Chemical Physics, 2016, 18, 19299-19308.	2.8	40
70	Nanoscale imaging of defects in layered liquid crystals. , 2016, , .		1
71	Nanostructure of Edge Dislocations in a Smectic-C* Liquid Crystal. Physical Review Letters, 2015, 115, 087801.	7.8	16
72	Airbrush Formation of Liquid Crystal/Polymer Fibers. ChemPhysChem, 2015, 16, 1839-1841.	2.1	26

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73	Smart Muscle-Driven Self-Cleaning of Biomimetic Microstructures from Liquid Crystal Elastomers. <i>Advanced Materials</i> , 2015, 27, 6828-6833.	21.0	86
74	Biomimicry: Smart Muscle-Driven Self-Cleaning of Biomimetic Microstructures from Liquid Crystal Elastomers (<i>Adv. Mater.</i> 43/2015). <i>Advanced Materials</i> , 2015, 27, 6770-6770.	21.0	1
75	A fibre forming smectic twist-bent liquid crystalline phase. <i>RSC Advances</i> , 2015, 5, 11207-11211.	3.6	52
76	Polar structure of disclination loops in nematic liquid crystals probed by second-harmonic-light scattering. <i>Physical Review E</i> , 2015, 91, 032501.	2.1	5
77	Azo-containing asymmetric bent-core liquid crystals with modulated smectic phases. <i>RSC Advances</i> , 2015, 5, 64886-64891.	3.6	18
78	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
79	New twist on the helical nanofilament phase of bent-core liquid crystals. , 2014, , .		0
80	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
81	Insertion of liquid crystal molecules into hydrocarbon monolayers. <i>Journal of Chemical Physics</i> , 2014, 141, 054901.	3.0	11
82	Helical nanofilaments of bent-core liquid crystals with a second twist. <i>Nature Communications</i> , 2014, 5, 3302.	12.8	62
83	Nanostructures of Nematic Materials of Laterally Branched Molecules. <i>ChemPhysChem</i> , 2014, 15, 1457-1462.	2.1	7
84	Viscoelastic properties of a branched liquid crystal in the nematic phase. <i>Liquid Crystals</i> , 2014, 41, 747-754.	2.2	4
85	Magnetic-field-induced suppression of the amorphous blue phase. <i>Physical Review E</i> , 2014, 89, 010501.	2.1	2
86	Accurate Optical Detection of Amphiphiles at Liquid-Crystal-Water Interfaces. <i>Physical Review Applied</i> , 2014, 1, .	3.8	34
87	14th International Conference on Ferroelectric Liquid Crystals, Magdeburg, Germany. <i>Liquid Crystals Today</i> , 2014, 23, 38-40.	2.3	1
88	Flow properties of a twist-bend nematic liquid crystal. <i>RSC Advances</i> , 2014, 4, 57419-57423.	3.6	52
89	Stress-Driven Dynamic Behavior of Free-Standing Bent-Core Liquid Crystal Filaments. <i>Ferroelectrics</i> , 2014, 468, 101-113.	0.6	4
90	Piezoelectric fiber mats containing polar rod-shaped pigment particles. <i>RSC Advances</i> , 2014, 4, 44223-44228.	3.6	6

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91	Nanostructure and dielectric properties of a twist-bend nematic liquid crystal mixture. <i>Liquid Crystals</i> , 2014, 41, 1661-1667.	2.2	39
92	Liquid-Crystal-Based Biosensor without Alignment Substrate. <i>Biophysical Journal</i> , 2014, 106, 415a.	0.5	4
93	Twist-bend nematic liquid crystals in high magnetic fields. <i>Physical Review E</i> , 2014, 89, 060501.	2.1	100
94	Nematic twist-bend phase with nanoscale modulation of molecular orientation. <i>Nature Communications</i> , 2013, 4, 2635.	12.8	534
95	Liquid crystals of the twenty-first century – nematic phase of bent-core molecules. <i>Liquid Crystals Reviews</i> , 2013, 1, 65-82.	4.1	157
96	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
97	Soft materials for linear electromechanical energy conversion. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 120-124.	7.8	5
98	Direct piezoelectric responses of soft composite fiber mats. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	29
99	Alignment of nematic liquid crystals by a bent-core substrate. <i>Liquid Crystals</i> , 2013, 40, 159-164.	2.2	9
100	Polar bent-shape liquid crystals – from molecular bend to layer splay and chirality. <i>Soft Matter</i> , 2013, 9, 615-637.	2.7	149
101	A piezoelectric thermoplastic elastomer containing a bent-core liquid crystal. <i>RSC Advances</i> , 2013, 3, 17446.	3.6	16
102	Cryo-TEM studies of two smectic phases of an asymmetric bent-core material. <i>Liquid Crystals</i> , 2013, 40, 1636-1645.	2.2	13
103	Direct High Resolution Cryo-TEM Imaging of Liquid Crystals. <i>Microscopy and Microanalysis</i> , 2013, 19, 1084-1085.	0.4	0
104	Alignment by Langmuir/Schaefer Monolayers of Bent-Core Liquid Crystals. <i>Ferroelectrics</i> , 2012, 431, 141-149.	0.6	5
105	Highly piezoelectric biocompatible and soft composite fibers. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	37
106	Pattern-Stabilized Decorated Polar Liquid-Crystal Fibers. <i>Physical Review Letters</i> , 2012, 109, 017801.	7.8	22
107	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
108	Flexoelectricity of Bent-core Molecules. , 2012, , 61-99.		2

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109	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
110	Improving Liquid-Crystal-Based Biosensing in Aqueous Phases. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6884-6890.	8.0	55
111	Direct Observation of Smectic Layers in Thermotropic Liquid Crystals. <i>Physical Review Letters</i> , 2012, 109, 107802.	7.8	62
112	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
113	Search for biaxiality in a shape-persistent bent-core nematic liquid crystal. <i>Soft Matter</i> , 2012, 8, 8880.	2.7	55
114	Two distinct modulated layer structures of an asymmetric bent-shape smectic liquid crystal. <i>Liquid Crystals</i> , 2012, 39, 1149-1157.	2.2	22
115	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
116	Alignment by Langmuir/Schaefer monolayers of bent-core liquid crystals. <i>Soft Matter</i> , 2011, 7, 9043.	2.7	31
117	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
118	Liquid crystal properties of a self-assembling viral coat protein. <i>Liquid Crystals</i> , 2011, 38, 1153-1157.	2.2	2
119	Liquid crystalline amorphous blue phase and its large electrooptical Kerr effect. <i>Journal of Materials Chemistry</i> , 2011, 21, 2855.	6.7	69
120	Highly Hydrophobic Electrospun Fiber Mats from Polyisobutylene-Based Thermoplastic Elastomers. <i>Biomacromolecules</i> , 2011, 12, 1795-1799.	5.4	42
121	Elastic constants and orientational viscosities of a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2011, 83, 031701.	2.1	97
122	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
123	Magneto-optical technique for detecting the biaxial nematic phase. <i>Physical Review E</i> , 2011, 84, 021705.	2.1	24
124	Dielectric properties of mixtures of a bent-core and a calamitic liquid crystal. <i>Physical Review E</i> , 2010, 81, 031711.	2.1	62
125	Bundles of fluid fibers formed by bent-core molecules. <i>Physical Review E</i> , 2010, 81, 031708.	2.1	14
126	Giant flexoelectricity in bent-core nematic liquid crystal elastomers. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	61

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127	Mesophase behaviour of binary mixtures of bell-shaped and calamitic compounds. <i>Liquid Crystals</i> , 2010, 37, 527-536.	2.2	5
128	Synthesis and mesomorphic properties of resorcylic di[4-(4-alkoxy-2,3-difluorophenyl)ethynyl] benzoate liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 427-433.	2.2	2
129	Properties of non-symmetric bent-core liquid crystals with variable flexible chain length. <i>Liquid Crystals</i> , 2010, 37, 537-545.	2.2	10
130	Electro-mechanical effects in liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 825-837.	2.2	62
131	Bent-core liquid crystal elastomers. <i>Journal of Materials Chemistry</i> , 2010, 20, 8488.	6.7	18
132	Second-harmonic generation in a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2010, 82, 041710.	2.1	17
133	Inverse Langmuir-Schaefer films of bent-core molecules. <i>Liquid Crystals</i> , 2010, 37, 1229-1236.	2.2	19
134	Stable amorphous blue phase of bent-core nematic liquid crystals doped with a chiral material. <i>Journal of Materials Chemistry</i> , 2010, 20, 5893.	6.7	114
135	Short-range smectic order in bent-core nematic liquid crystals. <i>Soft Matter</i> , 2010, 6, 4819.	2.7	75
136	Chirality of lipids makes fluid lamellar phases piezoelectric. <i>Physical Review E</i> , 2009, 79, 011701.	2.1	20
137	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
138	Large Flow Birefringence of Nematogenic Bent-Core Liquid Crystals. <i>Physical Review Letters</i> , 2009, 103, 237803.	7.8	43
139	Simple thoughts about the role of liquid crystals inspired by the liquid crystal sessions at the APS March Meeting 2009. <i>Liquid Crystals Today</i> , 2009, 18, 57-58.	2.3	0
140	Calamitic Liquid-Crystalline Elastomers Swollen in Bent-Core Liquid-Crystal Solvents. <i>Advanced Materials</i> , 2009, 21, 1622-1626.	21.0	31
141	Piezoelectric and Electric-Field-Induced Properties of a Ferroelectric Bent-Core Liquid Crystal. <i>Advanced Materials</i> , 2009, 21, 3784-3788.	21.0	41
142	Acoustically driven oscillations of freely suspended liquid crystal filaments. <i>Soft Matter</i> , 2009, 5, 3120.	2.7	8
143	Rheological properties of bent-core liquid crystals. <i>Soft Matter</i> , 2009, 5, 3618.	2.7	71
144	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

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145	Electrically Tunable Color by Using Mixtures of Bent-Core and Rod-Shaped Molecules. <i>Advanced Materials</i> , 2008, 20, 3138-3142.	21.0	42
146	Magnetic-Field Induced Isotropic to Nematic Liquid Crystal Phase Transition. <i>Physical Review Letters</i> , 2008, 101, 247801.	7.8	67
147	Colloidal micromotor in smectic A liquid crystal driven by DC electric field. <i>Soft Matter</i> , 2008, 4, 2471.	2.7	40
148	Viscosities of a bent-core nematic liquid crystal. <i>Liquid Crystals</i> , 2008, 35, 149-155.	2.2	57
149	Piezoelectricity of phospholipids: a possible mechanism for mechanoreception and magnetoreception in biology. <i>Liquid Crystals</i> , 2008, 35, 395-400.	2.2	18
150	Nature-Inspired light-harvesting liquid crystalline porphyrins for organic photovoltaics. <i>Liquid Crystals</i> , 2008, 35, 233-239.	2.2	98
151	Observation of a possible tetrahedratic phase in a bent-core liquid crystal. <i>Physical Review E</i> , 2008, 77, 061701.	2.1	23
152	Converse flexoelectric effect in a bent-core nematic liquid crystal. <i>Physical Review E</i> , 2008, 78, 031702.	2.1	41
153	Role of Molecular Shape on Bent-Core Liquid-Crystal Structures. <i>Physical Review Letters</i> , 2007, 99, 207801.	7.8	36
154	Electric field dependence of the electric conductivity in liquid crystals made of bent-core molecules. <i>Applied Physics Letters</i> , 2006, 88, 212904.	3.3	6
155	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
156	Bistable linear electro-optical switching in the B7 phase of novel bent-core molecules. <i>Soft Matter</i> , 2006, 2, 215.	2.7	24
157	Odd-even effects in bent-core compounds containing terminal n-alkyl carboxylate groups. <i>Soft Matter</i> , 2006, 2, 875-885.	2.7	22
158	Fluorine containing nonsymmetrical five-ring achiral banana-shaped compounds with columnar and synclinic antiferroelectric layered phases. <i>Soft Matter</i> , 2006, 2, 785.	2.7	24
159	Anisotropy in Langmuir Layers of a Bent-Core Liquid Crystal. <i>Langmuir</i> , 2006, 22, 3198-3206.	3.5	24
160	Thermotropic liquid crystalline properties of amphiphilic branched chain glycolipids. <i>Liquid Crystals</i> , 2006, 33, 361-366.	2.2	16
161	Blue Phase, Smectic Fluids, and Unprecedented Sequences in Liquid Crystal Dimers. <i>Chemistry of Materials</i> , 2006, 18, 6100-6102.	6.7	101
162	Giant Flexoelectricity of Bent-Core Nematic Liquid Crystals. <i>Physical Review Letters</i> , 2006, 97, 157802.	7.8	302

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163	Intercalated Smectic A Phases in Banana-Shaped Liquid Crystals with Carbonate End Groups. ChemPhysChem, 2006, 7, 2184-2188.	2.1	16
164	Magical Smectic Liquid Crystal Tube: Simple Illustration of Mechanical, Optical and Magnetic Properties of Smectic Liquid Crystals. Japanese Journal of Applied Physics, 2006, 45, 1714-1718.	1.5	5
165	POLAR MICRO STRUCTURES OF THE B2- AND B4-PHASES OF BENT-SHAPED LC-MOLECULES RESOLVED BY NONLINEAR OPTICAL MICROSCOPY. Journal of Nonlinear Optical Physics and Materials, 2006, 15, 287-302.	1.8	7
166	Critical behavior at the isotropic-to-nematic phase transition in a bent-core liquid crystal. Physical Review E, 2006, 73, 030703.	2.1	66
167	Chirality and polarity transfers between bent-core smectic liquid-crystal substances. Physical Review E, 2006, 74, 041706.	2.1	20
168	First liquid crystalline cuneane-encaged derivatives: a structure-property relationship study. Liquid Crystals, 2006, 33, 689-696.	2.2	8
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