

# Yoichi Takanishi

## List of Publications by Year in descending order

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253  
papers

8,352  
citations

53660

45  
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60497

81  
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259  
all docs

259  
docs citations

259  
times ranked

2906  
citing authors

#	ARTICLE	IF	CITATIONS
1	New liquid crystal formation induced by nanoscale phase separation composed of bent-core liquid crystal and rod-like cholesteric liquid crystal mixtures. <i>Soft Matter</i> , 2021, 17, 563-570.	1.2	1
2	Conformation-Changeable $\pi$ -Electronic Systems with Metastable Bent-Core Conformations and Liquid-Crystalline-State Electric-Field-Responsive Properties. <i>Organic Letters</i> , 2021, 23, 305-310.	2.4	4
3	Variety of subphase emerging sequences, the frustration of three main phases, $S_{mC}$ , $S_{mC}$ , $S_{mC}$ , and $S_{mC}$ . <i>Physical Review E</i> , 2021, 104, 014705.	0.8	2
4	Chiral Symmetry Breaking in Liquid Crystals: Appearance of Ferroelectricity and Antiferroelectricity. <i>Symmetry</i> , 2020, 12, 1900.	1.1	2
5	Structural transformations in tetravalent nematic shells induced by a magnetic field. <i>Soft Matter</i> , 2020, 16, 8169-8178.	1.2	5
6	Unexpected electric-field-induced antiferroelectric liquid crystal phase in the $S_{mC}$ phase over a wide temperature range and the discrete flexoelectric effect. <i>Physical Review E</i> , 2019, 100, 010701.	1.8	4
7	Linear symmetric liquid crystal trimers exhibiting supramolecular chiral architectures. <i>Soft Matter</i> , 2019, 15, 3179-3187.	1.2	13
8	Polar order of an achiral taper-shaped liquid crystal in the uniaxial smectic A phase. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5521-5527.	2.7	6
9	Photo-Driven Chirality Switching in a Dark Conglomerate Phase of an Achiral Liquid Crystal Trimer. <i>ChemistrySelect</i> , 2018, 3, 3278-3283.	0.7	7
10	Unique Superparamagnetic-Like Behavior Observed in Non- $\pi$ -Conjugated Delocalized Nitroxide Diradical Compounds Showing Discotic Liquid Crystalline Phase. <i>Chemistry - A European Journal</i> , 2018, 24, 17293-17302.	1.7	12
11	Resonant x-ray scattering observation of transitional subphases during the electric-field-induced phase transition in a mixture of Se-containing chiral smectic liquid crystals. <i>Physical Review E</i> , 2018, 97, 062702.	0.8	3
12	A frustrated phase driven by competition among layer structures. <i>Soft Matter</i> , 2017, 13, 5194-5203.	1.2	2
13	Lyotropic Liquid-crystalline Pseudo-polymer Particles with an Iron Oxide Monodispersed Core Controlled in Size and Shapes in Ionic Liquids. <i>Chemistry Letters</i> , 2017, 46, 303-306.	0.7	8
14	Achiral flexible liquid crystal trimers exhibiting gyroid-like surfaces in chiral conglomerate phases. <i>Soft Matter</i> , 2017, 13, 6521-6528.	1.2	15
15	Definite existence of subphases with eight- and ten-layer unit cells as studied by complementary methods, electric-field-induced birefringence and microbeam resonant x-ray scattering. <i>Physical Review E</i> , 2017, 96, 012701.	0.8	11
16	Softening of twist elasticity in the swollen smectic C liquid crystal. <i>Europhysics Letters</i> , 2017, 120, 56001.	0.7	0
17	Effects of layer order on the mobility of mesogenic molecules in SmA liquid-crystalline emulsions. <i>Europhysics Letters</i> , 2016, 113, 56004.	0.7	0
18	Optically Isotropic Homochiral Structure Produced by Intercalation of Achiral Liquid Crystal Trimers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4843-4851.	1.2	17

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19	Effective long-range interlayer interactions and electric-field-induced subphases in ferroelectric liquid crystals. <i>Physical Review E</i> , 2016, 93, 042707.	0.8	8
20	Transitional subphases near the electric-field-induced phase transition to the ferroelectric phase in Se-containing chiral smectic liquid crystals observed by resonant x-ray scattering. <i>Physical Review E</i> , 2016, 94, 052703.	0.8	7
21	Achiral flexible liquid crystal trimers exhibiting chiral conglomerates. <i>Soft Matter</i> , 2016, 12, 3331-3339.	1.2	21
22	Hyper swollen perfluorinated smectic liquid crystal by perfluorinated oils. <i>RSC Advances</i> , 2015, 5, 215-220.	1.7	10
23	Supermolecular Bent Configuration Composed of Achiral Flexible Liquid Crystal Trimers Exhibiting Chiral Domains with Opposite Handedness. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4531-4538.	1.2	13
24	Chiral doping effect in the B2 phase of a bent-core liquid crystal: The observation of resonant X-ray satellite peaks assigned to the 5/10 layer periodic structure. <i>Europhysics Letters</i> , 2015, 109, 56003.	0.7	6
25	The Effect of the Liquid-Crystalline Order on Releasing Dye Molecules from Liquid-Crystalline Nano-Emulsions. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 610, 157-162.	0.4	4
26	Self-assembling of molecular nanowires for enhancing the conducting properties of discotic liquid crystals. , 2015, , .		0
27	Chiral conglomerates observed for a binary mixture of a nematic liquid crystal trimer and 6OCB. <i>Soft Matter</i> , 2015, 11, 8827-8833.	1.2	12
28	Flexible taper-shaped liquid crystal trimer exhibiting a modulated smectic phase. <i>Liquid Crystals</i> , 2014, 41, 1752-1761.	0.9	8
29	Molecular design for a cybotactic nematic phase. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3677-3685.	2.7	22
30	Chiral smectic transition phases appearing near the electric-field-induced phase transition observed by resonant microbeam x-ray scattering. <i>Physical Review E</i> , 2014, 89, 032503.	0.8	17
31	Layer modulated smectic-C phase in liquid crystals with a terminal hydroxyl group. <i>Physical Review E</i> , 2014, 89, 042503.	0.8	5
32	Local Orientational Analysis of Helical Filaments and Nematic Director in a Nanoscale Phase Separation Composed of Rod-Like and Bent-Core Liquid Crystals Using Small- and Wide-Angle X-ray Microbeam Scattering. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3998-4004.	1.2	20
33	Smectic- $C^*$ liquid crystals with six-layer periodicity appearing between the ferroelectric and antiferroelectric chiral smectic phases. <i>Physical Review E</i> , 2013, 87, 050503.	0.8	20
34	Low-Power All-Optical Bistable Device of Twisted-Nematic Liquid Crystal Based on Surface Plasmons in a Metal-Insulator-Metal Structure. <i>Applied Physics Express</i> , 2013, 6, 011701.	1.1	7
35	Recent Topics for the Optical Properties in Liquid Crystals. <i>Springer Series in Materials Science</i> , 2013, , 125-147.	0.4	0
36	Controlled Fabrication and Photonic Structure of Cholesteric Liquid Crystalline Shells. <i>Advanced Materials</i> , 2013, 25, 3234-3237.	11.1	99

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37	Anomaly of Pretransitional Behavior at the Nematic-Smectic-A Phase Transition of Amphiphilic Liquid Crystals with a Hydrophilic Group. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6290-6293.	1.2	3
38	Novel Display Mode Using Dielectric Response of Antiferroelectric Liquid Crystals. <i>Applied Physics Express</i> , 2013, 6, 081701.	1.1	9
39	Photonic effect in a hyper-swollen lyotropic lamellar phase. <i>Journal of Applied Physics</i> , 2012, 112, 013531.	1.1	3
40	Chiral Liquid Crystal Trimer Exhibiting an Optically Uniaxial Smectic Phase with a Double-Peak Polarization. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8678-8687.	1.5	6
41	Anchoring and alignment in a liquid crystal cell: self-alignment of homogeneous nematic. <i>Soft Matter</i> , 2012, 8, 11526.	1.2	12
42	On the emergence of mysterious liquid crystal phases: chirality and non-chirality issues. <i>Phase Transitions</i> , 2012, 85, 282-296.	0.6	0
43	Pre-organized liquid crystals: biaxial nature of laterally-connected dimer. , 2012, , .		1
44	Remarkable effect of a lateral substituent on the molecular ordering of chiral liquid crystal phases: A novel bromo-containing dichiral compound showing SmC* variants. <i>Journal of Materials Chemistry</i> , 2011, 21, 4465.	6.7	10
45	Amphiphilic Liquid Crystal Exhibiting the Smectic A to Smectic C Phase Transition without Layer Contraction. <i>Applied Physics Express</i> , 2011, 4, 021701.	1.1	1
46	Competition between micro-segregation and anti-parallel alignment of an amphiphilic rod-like liquid crystal. <i>Liquid Crystals</i> , 2011, 38, 793-801.	0.9	4
47	Amphiphilic liquid crystal possessing a SmA-promoting tail and a SmC-promoting core. <i>Liquid Crystals</i> , 2011, 38, 317-323.	0.9	4
48	Molecular manipulator driven by spatial variation of liquid-crystalline order. <i>Nature Materials</i> , 2010, 9, 816-820.	13.3	46
49	Microbeam resonant x-ray scattering from bromine-substituted bent-core liquid crystals. <i>Physical Review E</i> , 2010, 81, 011701.	0.8	12
50	Amphiphilic taper-shaped oligomer exhibiting a monolayer smectic A to columnar phase transition. <i>Liquid Crystals</i> , 2010, 37, 507-515.	0.9	5
51	X-ray characterisation of local molecular orientation in the electroclinic effect of surface-stabilised SmA liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 1091-1096.	0.9	3
52	Interlayer Interactions Induced by Amphiphilicities of a Rod-Like Molecule Produce Frustrated Structures in Conventional Calamitic Phases. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13304-13311.	1.2	12
53	Low threshold lasing from dye-doped cholesteric liquid crystal multi-layered structures. <i>Optics Express</i> , 2010, 18, 12909.	1.7	36
54	Synthesis and Phase Transition Behavior of Novel Liquid Crystal Tetramers. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 263/[1005]-273/[1015].	0.4	3

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55	Dynamic heterogeneity of a nanostructure in the hyper-swollen B4 phase of achiral bent-core molecules diluted with rod-like liquid crystals. <i>Europhysics Letters</i> , 2009, 88, 56004.	0.7	11
56	2008 National Japanese Liquid Crystal Conference. <i>Liquid Crystals Today</i> , 2009, 18, 50-51.	2.3	0
57	Self-Assembly and One-Dimensional Alignment of a Conducting Polymer Nanofiber in a Nematic Liquid Crystal. <i>Macromolecules</i> , 2009, 42, 4366-4368.	2.2	41
58	Ferrielectric Smectic C Phases Stabilized Using a Chiral Liquid Crystal Oligomer. <i>Journal of Physical Chemistry B</i> , 2009, 113, 16124-16130.	1.2	8
59	A binaphthyl derivative with a wide temperature range of a blue phase. <i>Journal of Materials Chemistry</i> , 2009, 19, 5759.	6.7	94
60	Molecular Organization of Preorganized S-Shaped Oligomers in the Liquid Crystalline Phases. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 233/[975]-244/[986].	0.4	5
61	Fabrication of a simultaneous red-green-blue reflector using single-pitched cholesteric liquid crystals. <i>Nature Materials</i> , 2008, 7, 43-47.	13.3	207
62	Toward practical application of cholesteric liquid crystals to tunable lasers. <i>Journal of Materials Chemistry</i> , 2008, 18, 3040.	6.7	56
63	Enhancement of Light Extraction from Organic Light-Emitting Diodes with Two-Dimensional Hexagonally Nanoimprinted Periodic Structures Using Sequential Surface Relief Grating. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 4566-4571.	0.8	35
64	Alternating twist structures formed by electroconvection in the nematic phase of an achiral bent-core molecule. <i>Physical Review E</i> , 2008, 77, 041708.	0.8	36
65	Defect-Mode Lasing from a Three-Layered Helical Cholesteric Liquid Crystal Structure. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 3510-3513.	0.8	23
66	Position-Sensitive Cholesteric Liquid Crystal Dye Laser Covering a Full Visible Range. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L874-L876.	0.8	45
67	Three relaxation processes from an electric-field-induced polar structure in a columnar liquid crystalline urea derivative. <i>Physical Review E</i> , 2007, 76, 041701.	0.8	11
68	Structure of a $B_6$ -like phase formed from bent-core liquid crystals determined by microbeam x-ray diffraction. <i>Physical Review E</i> , 2007, 76, 042701.	0.8	16
69	Defect-free twisted-nematic cells with low pretilt using chiral polyimide surfaces. <i>Applied Physics Letters</i> , 2007, 90, 033115.	1.5	11
70	Electro-optic Kerr effect in the isotropic phase above the columnar phase of a urea derivative. <i>Physical Review E</i> , 2007, 75, 050701.	0.8	7
71	Synthesis and Solution-processed Field Effect Transistors of Liquid Crystalline Oligothiophenes. <i>Chemistry Letters</i> , 2007, 36, 708-709.	0.7	13
72	Simultaneous RGB reflections from single-pitched cholesteric liquid crystal films with Fibonacci defects. <i>Optics Express</i> , 2007, 15, 1024.	1.7	37

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73	Defect mode lasing from a double-layered dye-doped polymeric cholesteric liquid crystal films with a thin rubbed defect layer. <i>Applied Physics Letters</i> , 2007, 90, 261108.	1.5	41
74	Polar structures in binary mixtures of bent-core liquid crystals showing ferroelectric and antiferroelectric $B^2$ phases. <i>Physical Review E</i> , 2007, 76, 031702.	0.8	5
75	Chirality Induced by Circularly Polarized Light in Liquid Crystalline Twin Dimers with Azo Linkages. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 465, 153-163.	0.4	6
76	Experimental Investigation on Pretilt Angle in Binary Liquid Crystal Composed of Highly Polar Molecules. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5920-5923.	0.8	2
77	Characterization of focal conics in chiral smectic C liquid crystals by X-ray microdiffraction. <i>Liquid Crystals</i> , 2007, 34, 1285-1290.	0.9	2
78	Intrinsic chiral domains enantioselectively segregated from twisted nematic cells of bent-core mesogens. <i>Chirality</i> , 2007, 19, 250-254.	1.3	27
79	Sharply directed emission in microcavity organic light-emitting diodes with a cholesteric liquid crystal film. <i>Optics Communications</i> , 2007, 273, 167-172.	1.0	13
80	Dependence of lasing threshold power on excitation wavelength in dye-doped cholesteric liquid crystals. <i>Optics Communications</i> , 2007, 280, 408-411.	1.0	11
81	Highly circularly polarized electroluminescence from organic light-emitting diodes with wide-band reflective polymeric cholesteric liquid crystal films. <i>Applied Physics Letters</i> , 2007, 90, 211106.	1.5	58
82	Optical cavity with a double-layered cholesteric liquid crystal mirror and its prospective application to solid state laser. <i>Applied Physics Letters</i> , 2006, 89, 241116.	1.5	14
83	Intralayer molecular orientation in the B1 phase of a prototype bent-core molecule P-6-O-PIMB studied by X-ray microbeam diffraction. <i>Journal of Materials Chemistry</i> , 2006, 16, 816-818.	6.7	18
84	Characterization of Nematic Phase of Banana Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L1013-L1015.	0.8	12
85	Frustrated smectic layer structures in bent-shaped dimer liquid crystals studied by x-ray microbeam diffraction. <i>Physical Review E</i> , 2006, 74, 051703.	0.8	28
86	Low-Birefringent, Chiral Banana Phase below Calamitic Nematic and/or Smectic C Phases in Oxadiazole Derivatives. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5205-5214.	1.2	102
87	Bent-Core Liquid Crystals: Their Mysterious and Attractive World. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 597-625.	0.8	774
88	Several Types of Bilayer Smectic Liquid Crystals with Ferroelectric and Antiferroelectric Properties in Binary Mixture of Dimeric Compounds. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23911-23919.	1.2	22
89	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
90	Amplification of Twisting Power in Chiral Mesophase by Introducing Achiral Rod-like Compound with Ester Group. <i>Chemistry Letters</i> , 2006, 35, 896-897.	0.7	11

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91	Electrically tunable binary liquid crystal grating device consisting of homeotropic monodomain and non-aligned multidomain geometry. <i>Organic Electronics</i> , 2006, 7, 295-299.	1.4	7
92	Simple electro-tunable optical diode using photonic and anisotropic liquid crystal films. <i>Thin Solid Films</i> , 2006, 509, 49-52.	0.8	28
93	Circular-Polarization-Induced Enantiomeric Excess in Liquid Crystals of an Achiral, Bent-Shaped Mesogen. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1382-1385.	7.2	102
94	Intrinsic Chirality in a Bent-Core Mesogen Induced by Extrinsic Chiral Structures. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6503-6506.	7.2	48
95	Determination of Pretilt Angle of Discotic Nematic Liquid Crystal. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 5149-5150.	0.8	3
96	Light-Induced Macroscopic Chirality in Thin Films of Achiral Main-Chain Amorphous Polyazourea System. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 447-450.	0.8	15
97	Longer-Terminal-Chain-Sensitive Phase Structures in Mixtures and Nonsymmetric Molecules of Bent-Core Mesogens. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L329-L331.	0.8	14
98	Flexible Microcavity Organic Light-Emitting Diodes with Wide-Band Organic Distributed Bragg Reflector. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L737-L739.	0.8	10
99	Smectic Mesophase Behavior of Dimeric Compounds Showing Antiferroelectricity, Frustration and Chirality. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1506-1514.	0.8	28
100	Microscopic Orientational Order of Polymer Chains in Helical Polyacetylene Thin Films Studied by Confocal Laser Raman Microscopy. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1710-1713.	0.8	13
101	Interpretation of the odd-even behavior for the emergence of ferroelectricity and antiferroelectricity in bent-core mesogens. <i>Physical Review E</i> , 2006, 74, 021704.	0.8	22
102	Phase grating using a ferroelectric liquid-crystal mixture with a photocurable liquid crystal. <i>Journal of Applied Physics</i> , 2006, 99, 113709.	1.1	9
103	Smectogenic properties of N,N'-bis[(2-hydroxy-4-alkoxyphenyl)methylene]benzene-1,4-diamine liquid crystals with double lateral H-bonds. <i>Liquid Crystals</i> , 2006, 33, 979-986.	0.9	6
104	Photoinduced circular anisotropy in a photochromic W-shaped-molecule-doped polymeric liquid crystal film. <i>Physical Review E</i> , 2006, 73, 021702.	0.8	40
105	Electric-Field-Induced Polar Biaxial Order in a Nontilted Smectic Phase of an Asymmetric Bent-Core Liquid Crystal. <i>Physical Review Letters</i> , 2006, 97, 113901.	2.9	87
106	Polar order in columnar phase made of polycatenar bent-core molecules. <i>Physical Review E</i> , 2006, 73, 031704.	0.8	36
107	Electro-tunable optical diode based on photonic bandgap liquid-crystal heterojunctions. <i>Nature Materials</i> , 2005, 4, 383-387.	13.3	296
108	Finite Enantiomeric Excess Nucleated in an Achiral Banana Mesogen by Chiral Alignment Surfaces. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1948-1951.	7.2	31



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109	Enhancement of Laser Emission Intensity in Dye-Doped Cholesteric Liquid Crystals with Single-Output Window. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3748-3750.	0.8	11
110	Lowering the Lasing Threshold by Introducing Cholesteric Liquid Crystal Films to Dye-Doped Cholesteric Liquid Crystal Cell Surfaces. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 7966-7971.	0.8	17
111	Orientation of Liquid Crystal Molecules Evaporated onto Rubbed and Photoaligned Polymer Surfaces. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3103-3110.	0.8	5
112	Lasing from Thick Anisotropic Layer Sandwiched between Polymeric Cholesteric Liquid Crystal Films. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8165-8167.	0.8	22
113	Electric-field-induced transition between the polarization-modulated and ferroelectric smectic-CSPF*liquid crystalline states studied using microbeam x-ray diffraction. <i>Physical Review E</i> , 2005, 71, 011705.	0.8	31
114	Polarization switching in a columnar liquid crystalline urea as studied by optical second-harmonic generation interferometry. <i>Physical Review E</i> , 2005, 72, 020701.	0.8	45
115	Terahertz spectroscopy in smectic phases of a bent-core molecule. <i>Physical Review E</i> , 2005, 71, 061701.	0.8	17
116	Induced and spontaneous deracemization in bent-core liquid crystal phases and in other phases doped with bent-core molecules. <i>Physical Review E</i> , 2005, 71, 021706.	0.8	84
117	Dynamic and microscopic X-ray characterization of a compound chevron layer in electroclinic liquid crystals. <i>Liquid Crystals</i> , 2005, 32, 717-726.	0.9	3
118	Novel chiral filament in an achiral W-shaped liquid crystalline compound. <i>Journal of Materials Chemistry</i> , 2005, 15, 4688.	6.7	21
119	Synthesis and mesomorphic properties of new chiral banana-shaped liquid crystals with chiral 3-(alkoxy)propoxy terminal groups. <i>Liquid Crystals</i> , 2005, 32, 1205-1212.	0.9	14
120	Observation of very large chiral domains in a liquid crystal phase formed by mixtures of achiral bent-core and rod molecules. <i>Journal of Materials Chemistry</i> , 2005, 15, 4020.	6.7	68
121	Odd-Even Behavior of Ferroelectricity and Antiferroelectricity in Two Homologous Series of Bent-Core Mesogens. <i>Journal of the American Chemical Society</i> , 2005, 127, 11085-11091.	6.6	55
122	Organic field-effect transistors based on new TTF-based liquid crystalline materials. <i>Synthetic Metals</i> , 2005, 149, 219-223.	2.1	52
123	Anomalous Directed Amplified Spontaneous Emission from a Wedge-Shaped Cell Sandwiched by Cholesteric Liquid Crystal Films. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1220-L1222.	0.8	6
124	Lasing in Cholesteric Liquid Crystals Doped with Oligothiophene Derivatives. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 6084-6087.	0.8	16
125	Monodomain Film Formation and Lasing in Dye-Doped Polymer Cholesteric Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 6142-6144.	0.8	29
126	Coexistence of polar and nonpolar domains and their photocontrol in the B <sub>7</sub> phase of a bent-core liquid crystal containing azo dyes. <i>Physical Review E</i> , 2004, 69, 061701.	0.8	8



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127	Polarization-independent electrically tunable phase grating fabricated from ultraviolet-curable liquid crystals. <i>Journal of Applied Physics</i> , 2004, 96, 5909-5911.	1.1	6
128	Advantages of Highly Ordered Polymer-Dyes for Lasing in Chiral Nematic Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 631-636.	0.8	58
129	Temperature and Electric Field Dependences of the Local Layer Structure in Anti-Ferroelectric Liquid Crystals Measured by X-Ray Micro-Diffraction. <i>Ferroelectrics</i> , 2004, 311, 41-50.	0.3	1
130	Polarization characteristics of phase retardation defect mode lasing in polymeric cholesteric liquid crystals. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 437-441.	2.8	27
131	Important role played by interlayer steric interactions for the emergence of the ferroelectric phase in bent-core mesogens. <i>Journal of Materials Chemistry</i> , 2004, 14, 157.	6.7	51
132	Electrically controllable polarization-dependent phase grating from photocurable liquid crystals. <i>Journal of Applied Physics</i> , 2004, 95, 5241-5243.	1.1	13
133	Lasing characteristics of a dye-doped nematic liquid crystal layer sandwiched by two polymeric cholesteric liquid crystals. , 2004, 5518, 66.		2
134	Blue phases induced by doping chiral nematic liquid crystals with nonchiral molecules. <i>Physical Review E</i> , 2003, 68, 041710.	0.8	143
135	Electrogyration effect in a chiral bent-core molecular system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 314.	0.9	20
136	Mechanism of sign inversion of spontaneous polarization in ferroelectricSmC*liquid crystals. <i>Physical Review E</i> , 2003, 67, 021701.	0.8	6
137	How doping a cholesteric liquid crystal with polymeric dye improves an order parameter and makes possible low threshold lasing. <i>Journal of Applied Physics</i> , 2003, 94, 279-283.	1.1	134
138	A novel smectic liquid crystalline phase exhibited by W-shaped molecules. <i>Journal of Materials Chemistry</i> , 2003, 13, 2880.	6.7	25
139	Helix Unwinding Process in a Short-Pitch Ferroelectric Liquid Crystal Mixture Studied by Conoscopy. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 1335-1337.	0.8	11
140	Dynamic local-layer response of surface-stabilized ferroelectric liquid crystals to a high electric field by time-resolved x-ray microdiffraction. <i>Physical Review E</i> , 2003, 67, 051706.	0.8	11
141	Local layer structures in circular domains of an achiral bent-core mesogen observed by x-ray microbeam diffraction. <i>Physical Review E</i> , 2003, 68, 011706.	0.8	5
142	Helix unwinding process in the chiral smectic C phase of MHPOBC as observed by conoscopy. <i>Liquid Crystals</i> , 2003, 30, 499-505.	0.9	13
143	Alignment Control of a Nematic Liquid Crystal on a Doubly Treated Substrate. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 1686-1689.	0.8	6
144	CUBIC AND BLUE PHASES IN A FLUORINE-CONTAINING DICHIRAL COMPOUND. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 401, 19-33.	0.4	8

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145	Experimental determination of molecular polarizability anisotropy of nematogens by depolarized Rayleigh light scattering. <i>Liquid Crystals</i> , 2003, 30, 697-700.	0.9	5
146	Grazing Incidence In-Plane X-Ray Diffraction Study on Oriented Copper Phthalocyanine Thin Films. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5467-5471.	0.8	27
147	Different Molecular Conformations in Ferroelectric and Antiferroelectric Liquid Crystals Studied by <sup>19</sup> F-NMR Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 6080-6083.	0.8	4
148	Layer Compression Modulus in Smectic Liquid Crystals. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 802-807.	0.7	12
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