Masanori Ozaki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6967982/publications.pdf

Version: 2024-02-01

587	10,889	41344	62596
papers	citations	49 h-index	80 g-index

590	590	590	6154
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thickness control and photovoltaic properties of CH₃NH₃PbI₃ bar-coated thin film. Japanese Journal of Applied Physics, 2022, 61, SB1032.	1.5	7
2	Tunable polarization volume gratings based on blue phase liquid crystals. Optics Express, 2022, 30, 1607.	3.4	10
3	Generation of a focused optical vortex beam using a liquid crystal spiral zone plate. Optics Express, 2022, 30, 8667.	3.4	6
4	Orientation Control of 2D Perovskite in 2D/3D Heterostructure by Templated Growth on 3D Perovskite. , 2022, 4, 378-384.		15
5	Three-dimensional lattice deformation of blue phase liquid crystals under electrostriction. Soft Matter, 2022, 18, 3328-3334.	2.7	8
6	Fabrication, characterization and simulation analysis of perovskite solar cells with dopant-free solution-processible C6PcH2 hole transporting material. Optical and Quantum Electronics, 2022, 54, 1.	3.3	0
7	Dynamics of Preaggregation and Film Formation of Donorâ€“Acceptor Ï€-Conjugated Polymers. , 2022, 4, 205-211.		6
8	Frustrated lattice orientation of cholesteric blue phase II induced by micro-patterned surface alignment. Applied Physics Express, 2022, 15, 071007.	2.4	3
9	Molecular orientation and electrical properties in tertâ€butylated phthalocyanine thin film fabricated by uniaxial solution coating. Electronics and Communications in Japan, 2021, 104, 113-119.	0.5	1
10	The liquid crystal Click procedure for oligothiophene-tethered phthalocyanines â€“ self-assembly, alignment and photocurrent. Journal of Materials Chemistry C, 2021, 9, 5689-5698.	5.5	11
11	Alkyl chain length dependence of carrier transport in solution-processed phthalocyanine thin films evaluated via MIS-CELIV method. Japanese Journal of Applied Physics, 2021, 60, 031004.	1.5	4
12	Directed self-assembly of soft 3D photonic crystals for holograms with omnidirectional circular-polarization selectivity. Communications Materials, 2021, 2, .	6.9	19
13	Effects of thermal expansion and degeneracy on ambipolar carrier mobility of non-peripherally hexyl-substituted phthalocyanine. Applied Physics Express, 2021, 14, 041001.	2.4	0
14	In Situ Optical Characterization of Twinning in Liquid Crystalline Blue Phases. ACS Applied Materials & Interfaces, 2021, 13, 36130-36137.	8.0	10
15	Directionâ€Selectable Ultraâ€Highly Oriented State of Donorâ€“Acceptor Conjugated Polymer Induced by Slow Bar Coating Process. Advanced Electronic Materials, 2021, 7, 2100313.	5.1	10
16	Blue Phase Liquid Crystals with Tailored Crystal Orientation for Photonic Applications. Symmetry, 2021, 13, 1584.	2.2	2
17	Mesoporous TiO2 electron transport layer engineering for efficient inorganic-organic hybrid perovskite solar cells using hydrochloric acid treatment. Thin Solid Films, 2021, 732, 138768.	1.8	10
18	Coating speed dependence of main chain orientation and aggregation of PBTTT-C16 in the bar-coated thin film. Japanese Journal of Applied Physics, 2020, 59, SDDA04.	1.5	6

#	Article	IF	Citations
19	Solution processed uniaxially oriented thin film of tert-butyl-substituted phthalocyanine. Japanese Journal of Applied Physics, 2020, 59, SDDA05.	1.5	4
20	Stereoregularity effect on hole mobility in poly(N-vinylcarbazole) thin film evaluated by MIS-CELIV method. Japanese Journal of Applied Physics, 2020, 59, SDDA01.	1.5	11
21	Carrier transport study on triphenylamine-thienothiophene-based hole transport material by MIS-CELIV method. Japanese Journal of Applied Physics, 2020, 59, SGGG01.	1.5	4
22	Study on energy level bending at heterojunction of solution-processed phthalocyanine thin film and n-Si by Kelvin probe force microscopy. Organic Electronics, 2020, 78, 105599.	2.6	4
23	Switchable Amplified Spontaneous Emission: Electrically Switchable Amplified Spontaneous Emission from Liquid Crystalline Phase of an AIEEâ€Active ESIPT Molecule (Advanced Optical Materials 14/2020). Advanced Optical Materials, 2020, 8, 2070056.	7.3	0
24	Revealing the charge carrier kinetics in perovskite solar cells affected by mesoscopic structures and defect states from simple transient photovoltage measurements. Scientific Reports, 2020, 10, 19197.	3.3	29
25	Extended conjugation of ESIPT-type dopants in nematic liquid crystalline phase for enhancing fluorescence efficiency and anisotropy. Physical Chemistry Chemical Physics, 2020, 22, 28393-28400.	2.8	8
26	Bragg-Berry flat reflectors for transparent computer-generated holograms and waveguide holography with visible color playback capability. Scientific Reports, 2020, 10, 8201.	3.3	7
27	Electrically Switchable Amplified Spontaneous Emission from Liquid Crystalline Phase of an AIEEâ€Active ESIPT Molecule. Advanced Optical Materials, 2020, 8, 1902158.	7.3	20
28	Orientation control of ideal blue phase photonic crystals. Scientific Reports, 2020, 10, 10148.	3.3	24
29	Highly (100)-oriented CH3NH3PbI3 thin film fabricated by bar-coating method and its additive effect of ammonium chloride. Solar Energy Materials and Solar Cells, 2020, 208, 110409.	6.2	12
30	A study on solution-processable tetrabenzomonoazaporphyrin hole transport material for pervoskite solar cells. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 015007.	1.5	1
31	Emission Directionâ€Tunable Liquid Crystal Laser. Advanced Optical Materials, 2020, 8, 2000375.	7.3	19
32	Effects of alkyl-substituent length on photovoltaic performance of bulk heterojunction solar cells utilizing non-peripherally octaalkyltetrabenzotriazaporphyrins. Japanese Journal of Applied Physics, 2020, 59, 101003.	1.5	7
33	Molecular Orientation and Electrical Properties in tert-Butylated Phthalocyanine Thin Film Fabricated by Uniaxial Solution Coating. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 1182-1188.	0.2	0
34	Highly Miscible Hybrid Liquid-Crystal Systems Containing Fluorescent Excited-State Intramolecular Proton Transfer Molecules. Langmuir, 2019, 35, 14031-14041.	3.5	11
35	Highly efficient perovskite solar cell utilizing a solution-processable tetrabenzoporphyrin hole transport material with p-type dopants. Applied Physics Express, 2019, 12, 112009.	2.4	2
36	Topologically Protected Generation of Stable Wall Loops in Nematic Liquid Crystals. Physical Review Letters, 2019, 123, 097801.	7.8	13

#	Article	IF	Citations
37	Liquid Crystals: Highly Fluorescent Liquid Crystals from Excited-State Intramolecular Proton Transfer Molecules (Advanced Optical Materials 2/2019). Advanced Optical Materials, 2019, 7, 1970008.	7.3	2
38	Uniaxial orientation of poly(3-hexylthiophene) thin films fabricated by the bar-coating method. Japanese Journal of Applied Physics, 2019, 58, SBBG04.	1.5	11
39	Homo/hetero-epitaxial growth in tetrabenzotriazaporphyrin derivative thin film fabricated by contact freezing method with seed crystal. Applied Physics Express, 2019, 12, 051011.	2.4	1
40	Giant light deflection via electro-mechanical modulation of liquid crystals. Applied Physics Letters, 2019, 114, 061901.	3.3	2
41	From Point to Filament Defects in Hybrid Nematic Films. Scientific Reports, 2019, 9, 17941.	3.3	4
42	Highly Fluorescent Liquid Crystals from Excitedâ€State Intramolecular Proton Transfer Molecules. Advanced Optical Materials, 2019, 7, 1801349.	7.3	27
43	Doubling the geometric phase of reflective Pancharatnamâ€“Berry diffractive waveplates. Journal of the Optical Society of America B: Optical Physics, 2019, 36, D20.	2.1	3
44	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. OSA Continuum, 2019, 2, 3554.	1.8	18
45	Triphenylamineâ€“Thienothiophene Organic Chargeâ€Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. Chemistry - an Asian Journal, 2018, 13, 1302-1311.	3.3	24
46	Fabrication of field-effect transistor utilizing oriented thin film of octahexyl-substituted phthalocyanine and its electrical anisotropy based on columnar structure. Japanese Journal of Applied Physics, 2018, 57, 03EH10.	1.5	11
47	Orientation of liquid crystalline blue phases on unidirectionally orienting surfaces. Journal Physics D: Applied Physics, 2018, 51, 104003.	2.8	23
48	Shape control of surface-stabilized disclination loops in nematic liquid crystals. Physical Review E, 2018, 97, 020701.	2.1	16
49	Sandwich-cell-type bulk-heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 03EJ03.	1.5	7
50	Ambipolar carrier transport properties and molecular packing structure of octahexyl-substituted copper phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 04FL01.	1.5	4
51	Polymer blend effect on molecular alignment induced by contact freezing of mesogenic phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 04FL09.	1.5	3
52	Homeotropic alignment of non-peripheral octahexyl phthalocyanine in thin film and its photovoltaic properties. Japanese Journal of Applied Physics, 2018, 57, 08RE02.	1.5	4
53	High-order Laguerre-Gauss polychromatic beams from Bragg-Berry flat optics. Physical Review A, 2018, 98, .	2.5	8
54	Carrier transport and device applications of the organic semiconductor based on liquid crystalline non-peripheral octaalkyl phthalocyanine. Liquid Crystals, 2018, 45, 2376-2389.	2.2	20

#	Article	IF	Citations
55	Single-crystalline thin-film growth via solution-mediated polymorphic transformation of octahexyl-substituted phthalocyanine and its optical anisotropy. Organic Electronics, 2018, 60, 16-21.	2.6	6
56	Concealed Holograms based on Cholesteric Liquid Crystals. , 2018, , .		0
57	Selective crystal growth in bar-coating process of polymorphic pentyl-substituted phthalocyanine thin film. Organic Electronics, 2018, 62, 241-247.	2.6	6
58	Evaluation of ambipolar carrier mobility in alkyl-substituted phthalocyanine thin film. Journal of Photonics for Energy, 2018, 8, 1.	1.3	5
59	Three-dimensional X-ray Crystal Structure Analysis of Solution-processed Oriented Thin Film utilizing Liquid-crystalline Phthalocyanine. , 2018, , .		1
60	Three-dimensional crystal orientation of blue phase liquid crystals on surfaces. , 2018, , .		0
61	Efficiency enhancement in perovskite solar cell utilizing solution-processable phthalocyanine hole transport layer with thermal annealing. Organic Electronics, 2017, 43, 156-161.	2.6	39
62	Study on degradation mechanism of perovskite solar cell and their recovering effects by introducing CH3NH3I layers. Organic Electronics, 2017, 43, 229-234.	2.6	38
63	Miscibility and carrier transport properties in binary blend system of non-peripherally octa-hexyl-substituted phthalocyanine analogues. Organic Electronics, 2017, 44, 67-73.	2.6	10
64	Active liquid-crystal deflector and lens with Fresnel structure. , 2017, , .		1
65	Morpho â€Butterflyâ€Inspired Patterning of Helical Photonic Structures for Circularâ€Polarizationâ€Sensitive, Wideâ€Angle Diffuse Reflection. Advanced Optical Materials, 2017, 5, 1601071.	7.3	18
66	Enhanced dual-frequency operation of a polymerized liquid crystal microplate by liquid crystal infiltration. Japanese Journal of Applied Physics, 2017, 56, 041601.	1.5	1
67	Field strength and frequency tunable, two-way rotation of liquid crystal micro-particles dispersed in a liquid crystal host. Soft Matter, 2017, 13, 4433-4440.	2.7	3
68	Glass-sandwich-type organic solar cells utilizing liquid crystalline phthalocyanine. Applied Physics Express, 2017, 10, 021602.	2.4	8
69	Liquid crystalline composites toward organic photovoltaic application (Conference Presentation). , 2017, , .		0
70	Single crystal preparation and x-ray structure analysis of non-peripherally alkyl-substituted phthalocyanine blends. Journal of Crystal Growth, 2017, 468, 810-815.	1.5	5
71	Field-induced dynamics of liquid crystal/liquid crystal micro-particle composites. Molecular Crystals and Liquid Crystals, 2017, 646, 125-131.	0.9	1
72	Broadband optical vortex generation from patterned cholesteric liquid crystals. Molecular Crystals and Liquid Crystals, 2017, 646, 116-124.	0.9	19

#	Article	IF	Citations
73	Selective crystal growth of polymorphs and crystal-to-crystal thermal phase transition of non-peripherally alkyl-substituted phthalocyanine and tetrabenzotriazaporphyrin. Journal of Crystal Growth, 2017, 468, 804-809.	1.5	13
74	Characterization of crystal polymorphs of the organic semiconductor non-peripheral octa-hexyl phthalocyanine. Japanese Journal of Applied Physics, 2017, 56, 081601.	1.5	8
75	Diffusion-based liquid crystal substitution for the improvement of electro-optic properties in polymer/cholesteric liquid crystal composites. Optical Materials Express, 2017, 7, 85.	3.0	5
76	Circularly-polarized, large-angle reflective deflectors based on periodically patterned cholesteric liquid crystals. Optical Data Processing and Storage, 2017, 3, .	3.3	29
77	Circularly-polarized, semitransparent and double-sided holograms based on helical photonic structures. Scientific Reports, 2017, 7, 16470.	3.3	22
78	Improved synthesis of non-peripherally alkyl-substituted tetrabenzotriazaporphyrins. Molecular Crystals and Liquid Crystals, 2017, 653, 22-26.	0.9	9
79	Bulk-Heterojunction Thin-Film Solar Cells Utilizing Miscible Binary Donor Materials of Liquid Crystalline Phthalocyanine and its Analogue. Journal of Physics: Conference Series, 2017, 924, 012003.	0.4	1
80	Uniaxial crystal growth in thin film by utilizing supercooled state of mesogenic phthalocyanine. Applied Physics Express, 2016, 9, 061601.	2.4	6
81	Ambipolar Carrier Mobility in Binary Blend Thin Film of Non-Peripheral Alkylphthalocyanines. Journal of Physics: Conference Series, 2016, 704, 012006.	0.4	9
82	Fabrication of tandem solar cells with all-solution processed multilayer structure using non-peripherally substituted octahexyl tetrabenzotriazaporphyrins. Japanese Journal of Applied Physics, 2016, 55, 03DB01.	1.5	7
83	Improved carrier balance and polarized in-plane light emission at full-channel area in ambipolar heterostructure polymer light-emitting transistors. Organic Electronics, 2016, 32, 213-219.	2.6	13
84	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. Journal of Crystal Growth, 2016, 445, 9-14.	1.5	20
85	Planar optics with patterned chiral liquid crystals. Nature Photonics, 2016, 10, 389-392.	31.4	252
86	Helical pitch dependence of the electro-optic characteristics in polymer/cholesteric liquid crystal nanocomposites. Optical Materials Express, 2016, 6, 1138.	3.0	4
87	Polychromatic Optical Vortex Generation from Patterned Cholesteric Liquid Crystals. Physical Review Letters, 2016, 116, 253903.	7.8	64
88	Chiral beam splitters based on cholesteric blue phase liquid crystals (Conference Presentation). , 2016, , .		0
89	Bragg reflection band width and optical rotatory dispersion of cubic blue-phase liquid crystals. Physical Review E, 2016, 94, 042703.	2.1	18
90	Crystal structure analysis in solution-processed uniaxially oriented polycrystalline thin film of non-peripheral octahexyl phthalocyanine by grazing incidence wide-angle x-ray scattering techniques. Applied Physics Letters, 2016, 109, .	3.3	13

#	Article	IF	Citations
91	Molecular Packing Structure of Mesogenic Octa-Hexyl Substituted Phthalocyanine Thin Film by X-ray Diffraction Analysis. Journal of Nanoscience and Nanotechnology, 2016, 16, 3318-3321.	0.9	16
92	Deformation-free switching of polymer-stabilized cholesteric liquid crystals by low-temperature polymerization. Optical Materials Express, 2016, 6, 705.	3.0	9
93	Reversible switching of liquid crystal micro-particles in a nematic liquid crystal. Soft Matter, 2016, 12, 750-755.	2.7	7
94	Double-twist cylinders in liquid crystalline cholesteric blue phases observed by transmission electron microscopy. Scientific Reports, 2015, 5, 16180.	3.3	59
95	Single crystal growth in spin-coated films of polymorphic phthalocyanine derivative under solvent vapor. APL Materials, 2015, 3, .	5.1	9
96	Polymer blend effects on fundamental properties of mesogenic phthalocyanine films fabricated by heated spin-coating method. Japanese Journal of Applied Physics, 2015, 54, 04DK08.	1.5	1
97	Effects of thermal-annealing and processing-additive treatment on crystallization-induced phase separation in organic solar cells utilizing octapentyl tetrabenzotriazaporphyrins. Journal Physics D: Applied Physics, 2015, 48, 385103.	2.8	2
98	Pitch-Length Independent Threshold Voltage of Polymer/Cholesteric Liquid Crystal Nano-Composites. Crystals, 2015, 5, 302-311.	2.2	9
99	Electrically Rotatable Polarizer Using One-Dimensional Photonic Crystal with a Nematic Liquid Crystal Defect Layer. Crystals, 2015, 5, 394-404.	2.2	3
100	Anisotropy of the electro-optic Kerr effect in polymer-stabilized blue phases. Physical Review E, 2015, 91, 022503.	2.1	17
101	Three-dimensional positioning and control of colloidal objects utilizing engineered liquid crystalline defect networks. Nature Communications, 2015, 6, 7180.	12.8	84
102	Macroscopically aligned molecular stacking structures in mesogenic phthalocyanine derivative films fabricated by heated spin-coating method. Thin Solid Films, 2015, 594, 1-4.	1.8	8
103	Polarization-independent submillisecond phase modulation utilizing polymer/short-pitch cholesteric liquid crystal composite. Optics Letters, 2015, 40, 5363.	3.3	7
104	1,3,5-Tris(phenyl-2-benzimidazole)-benzene cathode buffer layer thickness dependence in solution-processable organic solar cell based on 1,4,8,11,15,18,22,25-octahexylphthalocyanine. Japanese Journal of Applied Physics, 2015, 54, 04DK11.	1.5	1
105	Longitudinal and transverse pyroelectric effects in a chiral ferroelectric liquid crystal. Journal of Experimental and Theoretical Physics, 2015, 120, 725-732.	0.9	2
106	Efficiency enhancement in solution processed small-molecule based organic solar cells utilizing various phthalocyanineâ€“tetrabenzoporphyrin hybrid macrocycles. Organic Electronics, 2015, 23, 44-52.	2.6	23
107	Liquid crystalline and charge transport properties of novel non-peripherally octasubstituted perfluoroalkylated phthalocyanines. Journal of Materials Chemistry C, 2015, 3, 1757-1765.	5.5	18
108	Origin of the High Carrier Mobilities of Nonperipheral Octahexyl Substituted Phthalocyanine. Journal of Physical Chemistry C, 2015, 119, 23852-23858.	3.1	15

#	Article	IF	Citations
109	High-speed driving of liquid crystal lens with weakly conductive thin films and voltage booster. Applied Optics, 2015, 54, 8145.	2.1	11
110	Thermal annealing effects on non-peripheral octahexylphthalocyanine doped polymer bulk heterojunction solar cells. Japanese Journal of Applied Physics, 2014, 53, 05FZ06.	1.5	0
111	Numerical analysis of birefringence enhancement in nanorod-doped liquid crystals. Japanese Journal of Applied Physics, 2014, 53, 052602.	1.5	0
112	Dielectric Properties of Dual-Frequency Reactive Mesogens before and after Photopolymerization. Materials, 2014, 7, 1113-1121.	2.9	9
113	Tunable enhanced 0th-order transmission in a metalâ€“dielectric hole array covered with a subwavelength liquid crystal layer. Optics Letters, 2014, 39, 1262.	3.3	1
114	Photonic band structure and transmission analysis of cholesteric blue phase II: electrostriction in the [100] direction. Optics Express, 2014, 22, 3766.	3.4	8
115	Nematic liquid crystal nanocomposite with scattering-free, microsecond electro-optic response. Optical Materials Express, 2014, 4, 916.	3.0	18
116	Secondary electro-optic effect in liquid crystalline cholesteric blue phases. Optical Materials Express, 2014, 4, 960.	3.0	17
117	Effect of anisotropic lattice deformation on the Kerr coefficient of polymer-stabilized blue-phase liquid crystals. Physical Review E, 2014, 89, 012506.	2.1	11
118	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. Physical Review E, 2014, 89, 062505.	2.1	23
119	Optical tuning of extraordinary optical transmission through a metallic hole array using azobenzene dye-doped nematic liquid crystal. Japanese Journal of Applied Physics, 2014, 53, 01AE02.	1.5	0
120	Blend ratio dependence of photovoltaic properties in octahexylphthalocyanine-based small molecule solar cell. Japanese Journal of Applied Physics, 2014, 53, 05FZ05.	1.5	4
121	Annealing effect in bulk heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. Japanese Journal of Applied Physics, 2014, 53, 05FZ02.	1.5	7
122	Miscibility and phase separation in LC semiconductor blends. , 2014, , .		0
123	Miscibility in binary blends of non-peripheral alkylphthalocyanines and their application for bulk-heterojunction solar cells. Organic Electronics, 2014, 15, 1189-1196.	2.6	17
124	Active layer analysis of interpenetrating heterojunction organic thin-film solar cells by X-ray photoelectron spectroscopy. Thin Solid Films, 2014, 554, 222-225.	1.8	4
125	Monodomain planar alignment of 1,4,8,11,15,18,22,25-octahexylphthalocyanine by melt growth method. Thin Solid Films, 2014, 554, 99-101.	1.8	0
126	Octahexyltetrabenzotriazaporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. Chemistry Letters, 2014, 43, 1761-1763.	1.3	22

#	Article	IF	Citations
127	Function of Liquid Crystals. , 2014, , 357-410.		0
128	Effects of processing additives on nanoscale phase separation, crystallization and photovoltaic performance of solar cells based on mesogenic phthalocyanine. Organic Electronics, 2013, 14, 2628-2634.	2.6	47
129	Electro-Optics of Cubic and Tetragonal Blue Phase Liquid Crystals Investigated by Two-Beam Interference Microscopy. Applied Physics Express, 2013, 6, 062603.	2.4	9
130	Liquid Crystals: Deformationâ€Free, Microsecond Electroâ€Optic Tuning of Liquid Crystals (Advanced) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.3	1
131	Deformationâ€Free, Microsecond Electroâ€Optic Tuning of Liquid Crystals. Advanced Optical Materials, 2013, 1, 256-263.	7.3	40
132	Influences of dopant concentration in solâ€“gel derived AZO layer on the performance of P3HT:PCBM based inverted solar cell. Solar Energy Materials and Solar Cells, 2013, 111, 181-188.	6.2	89
133	Threshold improvement in uniformly lying helix cholesteric liquid crystal laser using auxiliary Ï€-conjugated polymer active layer. Journal of Applied Physics, 2013, 113, .	2.5	6
134	Physicochemical properties of 1-alkyl-3-methylimidazolium chlorideâ€“urea melts. Electrochimica Acta, 2013, 100, 285-292.	5.2	14
135	Physicochemical Properties of Tri-n-butylalkylphosphonium Cation-Based Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2013, 117, 15051-15059.	2.6	32
136	Finite-difference time-domain analysis of cholesteric blue phase II using the Landauâ€“de Gennes tensor order parameter model. Optics Letters, 2013, 38, 3380.	3.3	16
137	Mechanism of Degradation and Improvement of Stability on Mesogenic-Phthalocyanine-Based Bulk Heterojunction Solar Cell. Japanese Journal of Applied Physics, 2013, 52, 012301.	1.5	12
138	Wavefront control by stacked metal-dielectric hole array with variable hole shapes. Optics Express, 2013, 21, 6153.	3.4	7
139	Phase-dependence of gold nanoparticle dispersibility in blue phase and chiral nematic liquid crystals. Optical Materials Express, 2013, 3, 842.	3.0	18
140	Solvent Effects on Solution-Processable Bulk Heterojunction Organic Solar Cells Utilizing 1,4,8,11,15,18,22,25-Octahexylphthalocyanine. Japanese Journal of Applied Physics, 2013, 52, 05DB02.	1.5	11
141	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. Applied Physics Express, 2013, 6, 122301.	2.4	18
142	Effect of Column Disorder on Carrier Transport in Columnar Discotic Liquid Crystal Evaluated by Applying Precisely Controlled Shear Stress. Japanese Journal of Applied Physics, 2013, 52, 101701.	1.5	7
143	High-Quality Planar Alignment of Discotic Liquid Crystals Using Oscillating Shear. Applied Physics Express, 2013, 6, 061702.	2.4	7
144	Directed Transformation from Quadrupolar to Dipolar Nematic Colloids by an In-Plane Electric Field. Applied Physics Express, 2013, 6, 021702.	2.4	0

#	Article	IF	Citations
145	Improvement of Photovoltaic Performance of Octahexylphthalocyanine-Based Bulk-Heterojunction Solar Cells Using Various Fullerene Derivatives. Transactions of the Materials Research Society of Japan, 2013, 38, 463-466.	0.2	4
146	Uniaxial Alignment of Ï€-Conjugated Polymer Films by Reciprocating Shearing Method. Transactions of the Materials Research Society of Japan, 2013, 38, 503-506.	0.2	0
147	Organic Thin Film Solar Cell and the Possibility of its Improvement Using Surface Plasmon Resonance. The Review of Laser Engineering, 2013, 41, 177.	0.0	0
148	CHAPTER 5. Optical Properties of Tunable Photonic Crystals Using Liquid Crystals. RSC Smart Materials, 2013, , 91-118.	0.1	0
149	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based pi-Conjugated Polymer Films Fabricated by Capillary Action. Japanese Journal of Applied Physics, 2012, 51, 02BK11.	1.5	3
150	Influences of aluminum concentration to the characteristics of ZnO electron transport layer and its hybrid polymer solar cell. , 2012, , .		0
151	Uniform liquid crystal alignment on metallic nanohole arrays by vapor-phase deposition of silane coupling agent. Optical Materials Express, 2012, 2, 893.	3.0	8
152	Transmission phase control by stacked metal-dielectric hole array with two-dimensional geometric design. Optics Express, 2012, 20, 16092.	3.4	9
153	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. Applied Physics Letters, 2012, 101, .	3.3	34
154	Dependence of alkyl-substituent length for bulk heterojunction solar cells utilizing 1,4,8,11,15,18,22,25-octaalkylphthalocyanine. Journal of Photonics for Energy, 2012, 2, 021004.	1.3	12
155	Unidirectional Homogenous Alignment of Smectic Liquid Crystal under Shear Stress. Ferroelectrics, 2012, 431, 74-80.	0.6	3
156	Phase measurement interferometric microscopy of stacked fishnet metamaterials. , 2012, , .		0
157	Increase in interparticle distance of colloidal dipolar chain in nematic liquid crystal by trapping it on splay-bend wall. AIP Advances, 2012, 2, 042156.	1.3	4
158	Photovoltaic Properties of 1,4,8,11,15,18,22,25-Octaalkylphthalocyanine Doped Polymer Bulk Heterojunction Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 02BK15.	1.5	6
159	Self-alignment behaviour of photopolymerized liquid crystal micro-particles in a nematic liquid crystal. Soft Matter, 2012, 8, 11323.	2.7	10
160	EMISSION ENHANCEMENT CHARACTERISTICS OF OXAZINE IN PMMA MATRIX INFLUENCED BY SURFACE PLASMON POLARITON INDUCED ON SINUSOIDAL SILVER GRATING. Journal of Nonlinear Optical Physics and Materials, 2012, 21, 1250013.	1.8	4
161	Fast and Continuous Tunable Lasing from a Nano-Pore Embedded Cholesteric Liquid Crystal Film. Molecular Crystals and Liquid Crystals, 2012, 560, 101-107.	0.9	4
162	Tunable Terahertz Filter Using an Etalon with a Nematic Liquid Crystal Layer and its Response Speed. Molecular Crystals and Liquid Crystals, 2012, 561, 82-88.	0.9	8

#	Article	IF	Citations
163	Binary systems of discotic liquid crystalline semiconductors toward solution-processing thin film devices. , 2012, , .		5
164	Distributed feedback grating fabricated from hybrid polymer precursor gel by employing shortâ€pulse laser interference for photopumped polymer laser applications. Polymers for Advanced Technologies, 2012, 23, 1264-1270.	3.2	5
165	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. Organic Electronics, 2012, 13, 335-340.	2.6	42
166	Siloxane based Organic-Inorganic Hybrid Polymers and their Applications for Nanostructured Optical/Photonic Components. ITB Journal of Engineering Science, 2012, 44, 207-219.	0.1	6
167	Photovoltaic Properties of 1,4,8,11,15,18,22,25-Octaalkylphthalocyanine Doped Polymer Bulk Heterojunction Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 02BK15.	1.5	8
168	Acceptor Material Dependence of Photovoltaic Properties in Bulk Heterojunction Organic Thin Film Solar Cells Utilizing Soluble Octahexylphthalocyanine. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 1727-1732.	0.2	1
169	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based Ï€-Conjugated Polymer Films Fabricated by Capillary Action. Japanese Journal of Applied Physics, 2012, 51, 02BK11.	1.5	0
170	A Possibility of 2-Dimensional Transport of Charged Carriers in Columnar Phases of Liquid Crystalline Semiconductors. Molecular Crystals and Liquid Crystals, 2011, 549, 127-132.	0.9	11
171	THz Nematic Liquid Crystal Devices Using Stacked Membrane Film Layers. Molecular Crystals and Liquid Crystals, 2011, 543, 77/[843]-84/[850].	0.9	7
172	Slope Efficiency Improvement in Mode-Hop Driven Tunable Single-Mode Cholesteric Liquid Crystal Laser. Japanese Journal of Applied Physics, 2011, 50, 072702.	1.5	1
173	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. Optics Letters, 2011, 36, 3578.	3.3	23
174	Dual frequency operation of a blue phase liquid crystal. Optical Materials Express, 2011, 1, 1577.	3.0	14
175	Bipolar Carrier Transport in Tri-Substituted Octyloxy-Truxene DLC. Molecular Crystals and Liquid Crystals, 2011, 545, 149/[1373]-155/[1379].	0.9	9
176	Slope efficiency characteristics of mode-hop driven tunable single-mode cholesteric liquid crystal laser. , 2011, , .		0
177	Bulk heterojunction organic solar cells utilizing 1,4,8,11,15,18,22,25-octahexylphthalocyanine. Solar Energy Materials and Solar Cells, 2011, 95, 3087-3092.	6.2	33
178	Tunable Lasing from a Cholesteric Liquid Crystal Film Embedded with a Liquid Crystal Nanopore Network. Advanced Materials, 2011, 23, 5498-5501.	21.0	66
179	Solution Flow Assisted Fabrication Method of Oriented Ï€-Conjugated Polymer Films by Using Geometrically-Asymmetric Sandwich Structures. Japanese Journal of Applied Physics, 2011, 50, 020205.	1.5	8
180	Electric Field Tuning of Surface Plasmon Resonance Using Vertical Alignment Liquid Crystals on a Silver Grating Structure. Molecular Crystals and Liquid Crystals, 2011, 545, 85/[1309]-90/[1314].	0.9	2

#	Article	IF	Citations
181	High Carrier Mobility up to 1.4 cm²Â·V⁻¹Â·s⁻¹in Non-Peripheral Octahexyl Phthalocyanine. Applied Physics Express, 2011, 4, 021604.	2.4	95
182	Anisotropic Properties of Aligned pi-Conjugated Polymer Films Fabricated by Capillary Action and Their Post-Annealing Effects. Applied Physics Express, 2011, 4, 091602.	2.4	15
183	Photoinduced Polarization-Independent Refractive Index Modulation Using Azo-Dye Doped Liquid Crystal. Molecular Crystals and Liquid Crystals, 2011, 543, 117/[883]-122/[888].	0.9	0
184	Liquid crystalline phthalocyanines as a self-assembling organic semiconductor for solution-processing thin film devices. , 2011, , .		2
185	Solution Flow Assisted Fabrication Method of Oriented Ï€-Conjugated Polymer Films by Using Geometrically-Asymmetric Sandwich Structures. Japanese Journal of Applied Physics, 2011, 50, 020205.	1.5	5
186	Slope Efficiency Improvement in Mode-Hop Driven Tunable Single-Mode Cholesteric Liquid Crystal Laser. Japanese Journal of Applied Physics, 2011, 50, 072702.	1.5	2
187	Dispersion of Nanoparticles in Liquid Crystals by Sputtering and Its Effect on the Electrooptic Properties. IEICE Transactions on Electronics, 2010, E93-C, 1595-1601.	0.6	1
188	Nanoparticleâ€Dispersed Liquid Crystals Fabricated by Sputter Doping. Advanced Materials, 2010, 22, 622-626.	21.0	81
189	Spectral modulation of microcapillary laser based on emissive Ï€-conjugated polymers by poor solvent injection. Thin Solid Films, 2010, 519, 995-997.	1.8	2
190	Efficient organic photovoltaic tandem cells with novel transparent conductive oxide interlayer and poly (3-hexylthiophene): Fullerene active layers. Solar Energy Materials and Solar Cells, 2010, 94, 376-380.	6.2	42
191	SURFACE PLASMON ENHANCED PHOTOLUMINESCENCE ON BIHARMONIC GRATING STRUCTURE. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 571-581.	1.8	2
192	Clustering of elastic energy due to electrohydrodynamics instabilities in nematic liquid crystals. Europhysics Letters, 2010, 89, 46004.	2.0	12
193	Charged Carrier Mobility Study in Colh Mesophase of Perfluoroalkylated Triphenylene Derivatives. Molecular Crystals and Liquid Crystals, 2010, 516, 246-252.	0.9	1
194	Fast Carrier Mobility in Smectic A Phase of a Liquid Crystalline Compound Containing an Imidazolium Salt. Molecular Crystals and Liquid Crystals, 2010, 516, 240-245.	0.9	2
195	THz Wave Transmission Properties of LC Composite Membrane Films. Molecular Crystals and Liquid Crystals, 2010, 516, 144-151.	0.9	5
196	FABRICATION OF DISTRIBUTED FEEDBACK GRATING FROM HYBRID POLYMER WHICH EXHIBITS PHOTO-PUMPED LASING ACTION. International Journal of Nanoscience, 2010, 09, 307-310.	0.7	0
197	Photovoltaic Properties in Interpenetrating Heterojunction Organic Solar Cells Utilizing MoO3 and ZnO Charge Transport Buffer Layers. Materials, 2010, 3, 4915-4921.	2.9	25
198	Solvent Vapor Treatment Effects on Poly(3-hexylthiophene) Thin Films and its Application for Interpenetrating Heterojunction Organic Solar Cells. Materials, 2010, 3, 4939-4949.	2.9	7

#	Article	IF	Citations
199	Pentacene:Fullerene Multilayer-Heterojunction Organic Photovoltaic Cells Fabricated by Alternating Evaporation Method. Japanese Journal of Applied Physics, 2010, 49, 032301.	1.5	22
200	Fabrication of ZnO Nanopillars and Their Application to Organic Photovoltaic Cells Based on Conducting Polymer and Fullerene. Japanese Journal of Applied Physics, 2010, 49, 128003.	1.5	2
201	Finite-Difference Time-Domain Analysis of Polarization-Dependent Transmission in Cholesteric Blue Phase II. Applied Physics Express, 2010, 3, 032001.	2.4	9
202	Improved Lasing Threshold of Cholesteric Liquid Crystal Lasers with In-Plane Helix Alignment. Applied Physics Express, 2010, 3, 102702.	2.4	29
203	Electric Field Dependence of Lasing Wavelength in Cholesteric Liquid Crystal with an In-Plane Helix Alignment. Molecular Crystals and Liquid Crystals, 2010, 516, 182-189.	0.9	22
204	Laser Emission from a Photopolymerized Cholesteric Blue Phase II. Molecular Crystals and Liquid Crystals, 2010, 516, 197-201.	0.9	7
205	Fluorescence Enhancement of Conducting Polymer Coated on Biharmonic Metallic Grating. Applied Physics Express, 2010, 3, 041601.	2.4	3
206	Radial and Azimuthal Polarizer Using a One-Dimensional Photonic Crystal with a Patterned Liquid Crystal Defect Layer. Applied Physics Express, 2010, 3, 062002.	2.4	5
207	Carrier Mobility Behavior of Triphenylene Mesogen with a Hydrogen Bonding Amide Group. Molecular Crystals and Liquid Crystals, 2010, 525, 97-103.	0.9	3
208	Alignment-to-polarization projection in dye-doped nematic liquid crystal microlasers. Optics Express, 2010, 18, 12562.	3.4	6
209	Organic Thin-Film Solar Cells Based on Donor-Acceptor Interpenetrating Nano-Interface. , 2010, , .		0
210	Anchoring Strength Characteristics of Micro-Grating Structures Fabricated by Direct Laser Writing. Molecular Crystals and Liquid Crystals, 2010, 516, 26-31.	0.9	2
211	Solution Processable Organic Solar Cell Based on Bulk Heterojunction Utilizing Phthalocyanine Derivative. Applied Physics Express, 2010, 3, 101602.	2.4	111
212	Laser Properties of Cholesteric Liquid Crystals with In-Plane Helix Alignment. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1891-1896.	0.2	0
213	Efficient organic photovoltaic tandem cells with poly (3-hexylthiophene): Fullerene active layers and transparent conductive oxide interlayer. , 2009, , .		0
214	Optical Properties of Nanoimprinted Grating with Nematic Liquid Crystal. Molecular Crystals and Liquid Crystals, 2009, 507, 234-244.	0.9	4
215	Organic solar cells using few-walled carbon nanotubes electrode controlled by the balance between sheet resistance and the transparency. Applied Physics Letters, 2009, 94, 123302.	3.3	44
216	Heat treatment effect of field emission from carbon inverse opals. Journal Physics D: Applied Physics, 2009, 42, 115414.	2.8	0

#	Article	IF	Citations
217	Time-Resolved Photoluminescence Study and Microcapillary Laser of Blue-Emissive Ï€-Conjugated Polymers Based on 9,10-Dihydrophenanthrene Unit. Japanese Journal of Applied Physics, 2009, 48, 082404.	1.5	2
218	Rapid Energy Transfer and Improved Performance of Organic Light-Emitting Diodes Using Composite Film Based on Ï€-Conjugated Polymers. Japanese Journal of Applied Physics, 2009, 48, 101502.	1.5	1
219	Planar Alignment of Columnar Liquid Crystals in Microgroove Structures. Molecular Crystals and Liquid Crystals, 2009, 510, 126/[1260]-133/[1267].	0.9	7
220	Fabrication of organic photovoltaic cells with double-layer ZnO structure. Solar Energy Materials and Solar Cells, 2009, 93, 1562-1567.	6.2	20
221	Effect of solvent vapor treatment on photovoltaic properties of conducting polymer/C60 interpenetrating heterojunction structured organic solar cell. Thin Solid Films, 2009, 518, 518-521.	1.8	11
222	MoO3 buffer layer effect on photovoltaic properties of interpenetrating heterojunction type organic solar cells. Thin Solid Films, 2009, 518, 522-525.	1.8	54
223	Study on the bulk junction type organic solar cells with double zinc oxide layer. Thin Solid Films, 2009, 518, 786-790.	1.8	3
224	Carrier mobility of a columnar mesophase formed by a perfluoroalkylated triphenylene. Synthetic Metals, 2009, 159, 875-879.	3.9	20
225	Optical and electrical anisotropies of polydiacetylene derivative film aligned by shear stress. Synthetic Metals, 2009, 159, 871-874.	3.9	8
226	Optical and electrical properties and photoexcited laser oscillation of composite film based on Ï€-conjugated polymers. Synthetic Metals, 2009, 159, 935-938.	3.9	6
227	Effect of Mixed Cellulose Ester Membrane Structure on Appearance of Cholesteric Blue Phases. Molecular Crystals and Liquid Crystals, 2009, 512, 136/[1982]-142/[1988].	0.9	3
228	Position sensitive, continuous wavelength tunable laser based on photopolymerizable cholesteric liquid crystals with an in-plane helix alignment. Applied Physics Letters, 2009, 94, 093306.	3.3	36
229	Nanoparticle-Stabilized Cholesteric Blue Phases. Applied Physics Express, 2009, 2, 121501.	2.4	230
230	Expanded temperature range of cholesteric blue phase by three dimensional network structures. Transactions of the Materials Research Society of Japan, 2009, 34, 339-342.	0.2	0
231	Electrochemical Self-Assembly of Oriented Zinc Oxide Film from Polyethylene Oxide Containing Electrolyte. Journal of Nanoscience and Nanotechnology, 2009, 9, 1766-1771.	0.9	4
232	Optical manipulation of photonic defect-modes in cholesteric liquid crystals induced by direct laser-lithography. Thin Solid Films, 2008, 516, 2358-2362.	1.8	11
233	Microdisk laser emission and electrical properties of composite films based on poly(3-hexylthiophene)s with different stereoregularity. Thin Solid Films, 2008, 516, 2767-2771.	1.8	2
234	Photonic Band-Gap Modeling of Cholesteric Liquid Crystals with Periodic Pitch Modulations. Molecular Crystals and Liquid Crystals, 2008, 480, 231-240.	0.9	4

#	Article	IF	Citations
235	In-plane pitch control of cholesteric liquid crystals by formation of artificial domains via patterned photopolymerization. Optics Express, 2008, 16, 19034.	3.4	10
236	Optical Properties of Cholesteric Liquid Crystals with Functional Structural Defects. Molecular Crystals and Liquid Crystals, 2008, 489, 73/[399]-83/[409].	0.9	2
237	Lasing Characteristics of Ferroelectric Liquid Crystal in Dielectric Mirror Cavity. Ferroelectrics, 2008, 364, 60-65.	0.6	0
238	Fabrication of oriented ZnO nanopillar self-assemblies and their application for photovoltaic devices. Nanotechnology, 2008, 19, 435706.	2.6	27
239	Efficiency Enhancement in Organic Photovoltaic Cell with Interpenetrating Conducting Polymer/C60Heterojunction Structure by Substrate-Heating Treatment. Japanese Journal of Applied Physics, 2008, 47, 1094-1097.	1.5	14
240	Optical Properties and Microcapillary Laser of Blue-Emissive Ï€-Conjugated Polymers Based on 9,10-Dihydrophenanthrene Unit. Japanese Journal of Applied Physics, 2008, 47, 4724-4727.	1.5	2
241	Lasing in Cholesteric Liquid Crystal Oriented by Acoustic Streaming. Japanese Journal of Applied Physics, 2008, 47, 1363.	1.5	8
242	Local liquid crystal alignment on patterned micrograting structures photofabricated by two photon excitation direct laser writing. Applied Physics Letters, 2008, 93, 173509.	3.3	37
243	Tunable Liquid Crystal Laser Using Distributed Feedback Cavity Fabricated by Nanoimprint Lithography. Applied Physics Express, 2008, 1, 012003.	2.4	32
244	Phase Destruction upon Photopolymerization of Cholesteric Liquid Crystal Blue Phases with Mono- and Diacrylate Constituents. Chemistry Letters, 2008, 37, 1242-1243.	1.3	2
245	Effects of Polymer Network Surfaces on Expansion of Cholesteric Blue Phases Temperature. E-Journal of Surface Science and Nanotechnology, 2008, 6, 17-20.	0.4	23
246	Fabrication of Micro-Grating Structures by Direct Laser Writing Based on Two Photon Process and Their Liquid Crystal Alignment Abilities. IEICE Transactions on Electronics, 2008, E91-C, 1581-1586.	0.6	2
247	Reorientation of Cholesteric Liquid Crystal Molecules Using Acoustic Streaming. Japanese Journal of Applied Physics, 2007, 46, L489-L491.	1.5	11
248	Measurement of Mechanical Resonance in Freely Suspended Ferroelectric Liquid Crystal Film. Japanese Journal of Applied Physics, 2007, 46, 7128-7131.	1.5	1
249	Laser emission from spiral-shaped microdisc with waveguide of conducting polymer. Journal Physics D: Applied Physics, 2007, 40, 1669-1672.	2.8	8
250	Photoinduced anisotropic response of azobenzene chromophore functionalized multiwalled carbon nanotubes. Journal of Applied Physics, 2007, 102, 053102.	2.5	14
251	Analysis of defect mode switching response in one-dimensional photonic crystal with a nematic liquid crystal defect layer. Journal of Applied Physics, 2007, 101, 033503.	2.5	27
252	Organic Electronic Devices Based on Polymeric Material and Tunable Photonic Crystal. Japanese Journal of Applied Physics, 2007, 46, 5655.	1.5	28

#	Article	IF	Citations
253	Tunable defect modes in chiral liquid crystals based on laser-induced modulation of helix. Proceedings of SPIE, 2007, , .	0.8	0
254	Cholesteric liquid crystal laser in a dielectric mirror cavity upon band-edge excitation. Optics Express, 2007, 15, 616.	3.4	33
255	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. Carbon, 2007, 45, 1212-1218.	10.3	163
256	Linearly polarized lasing in one-dimensional hybrid photonic crystal containing cholesteric liquid crystal. Journal of Applied Physics, 2007, 101, 033120.	2.5	16
257	Polydiacetylene Nanofibers Created in Low-Molecular-Weight Gels by Post Modification:Â Control of Blue and Red Phases by the Oddâ^'Even Effect in Alkyl Chains. Journal of the American Chemical Society, 2007, 129, 4134-4135.	13.7	114
258	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. Applied Physics Letters, 2007, 90, 091114.	3.3	70
259	Defect Mode Analysis in One-dimensional Dual Photonic Crystal with Helix. Molecular Crystals and Liquid Crystals, 2007, 478, 163/[919]-174/[930].	0.9	0
260	Enhanced Band-Edge and Defect-Mode Effects of Laser Action in Chiral Liquid Crystals. , 2007, , .		0
261	Optical tuning and switching of photonic defect modes in cholestericliquid crystals. Applied Physics Letters, 2007, 90, 071107.	3.3	27
262	Tunable Chiral Photonic Defect Modes in Locally Polymerized Cholesteric Liquid Crystals. Molecular Crystals and Liquid Crystals, 2007, 477, 255-262.	0.9	4
263	Wavelength-Variable Laser in a Hybrid Photonic Crystal Containing Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 2007, 477, 245-254.	0.9	0
264	Improved electrical and optical properties of Poly(3,4-ethylenedioxythiophene) via ordered microstructure. Journal of Physics Condensed Matter, 2007, 19, 186220.	1.8	33
265	Organogels of 8-Quinolinol/Metal(II)â€"Chelate Derivatives That Show Electron- and Light-Emitting Properties. Chemistry - A European Journal, 2007, 13, 4155-4162.	3.3	76
266	Bottom-Up Fabrication of Photonic Defect Structures in Cholesteric Liquid Crystals Based on Laser-Assisted Modification of the Helix. Advanced Materials, 2007, 19, 1187-1190.	21.0	30
267	Synthesis and Properties of Polyacetylenes Connecting Carbazole at the 2- and 3-Positions: Effect of Polymerization Catalysts and Substitution Positions on the Optoelectronic Properties. Macromolecular Chemistry and Physics, 2007, 208, 765-771.	2.2	17
268	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. Carbon, 2007, 45, 2445-2448.	10.3	38
269	Lasing in dyeâ€doped chiral liquid crystals: influence of defect modes. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3768-3776.	1.8	6
270	Photonic crystals based on chiral liquid crystal. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3777-3789.	1.8	33

#	Article	IF	Citations
271	Fabrication of Organic Photovoltaic Cells with Interpenetrating Heterojunction of Conducting Polymer and C60by Spray Method. Japanese Journal of Applied Physics, 2006, 45, 2792-2793.	1.5	9
272	Effect of introducing multiple chiral defects on the optical properties of cholesteric liquid crystals. Thin Solid Films, 2006, 509, 197-201.	1.8	18
273	Laser action in one-dimensional double periodic structure with cholesteric liquid crystal. Thin Solid Films, 2006, 509, 189-192.	1.8	11
274	Fabrication and Unidirectional Laser Emission Properties of Asymmetric Microdisks Based on Poly(p-phenylenevinylene) Derivative. Japanese Journal of Applied Physics, 2006, 45, L833-L836.	1.5	10
275	Defect Mode in Cholesteric Liquid Crystal Consisting of Two Helicoidal Periodicities. Japanese Journal of Applied Physics, 2006, 45, 493-496.	1.5	29
276	Improvement of Sensitivity in Long-Wavelength Range in Organic Thin-Film Solar Cell with Interpenetrating Semilayered Structure. Japanese Journal of Applied Physics, 2006, 45, 538-541.	1.5	11
277	Photopumped Laser Oscillation and Charge Carrier Mobility of Composite Films Based on Poly(3-hexylthiophene)s with Different Stereoregularity. Japanese Journal of Applied Physics, 2006, 45, L1077-L1079.	1.5	16
278	Dependences of Characteristics of Polymer Solar Cells Based on Bulk Heterojunction of Poly(3-hexylthiophene) and C60on Composite Ratio and Annealing Temperature. Japanese Journal of Applied Physics, 2006, 45, 5241-5243.	1.5	13
279	Surface and interface morphology observation and photovoltaic properties of C60/conducting polymer interpenetrating heterojunction devices. Journal Physics D: Applied Physics, 2006, 39, 1521-1524.	2.8	11
280	Properties of liquids and liquid crystals in nano-scale space. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 678-686.	2.9	9
281	Optical properties and electric field enhancement in cholesteric liquid crystal containing different periodicities. Journal of Applied Physics, 2006, 100, 023102.	2.5	16
282	Pore size dependence of field emission from nanoscale porous carbon. Applied Physics Letters, 2006, 88, 053103.	3.3	14
283	Tunable single photonic defect-mode in cholesteric liquid crystals with laser-induced local modifications of helix. Applied Physics Letters, 2006, 89, 231913.	3.3	26
284	Light Localization and Lasing Characteristics in One-dimensional Photonic Crystal with a Helix Defect of Ferroelectric Liquid Crystal. Ferroelectrics, 2006, 344, 239-245.	0.6	3
285	Lowering lasing threshold in ferroelectric liquid crystal sandwiched between dielectric multilayers. Applied Physics Letters, 2006, 89, 201112.	3.3	10
286	High Q defect mode and laser action in one-dimensional hybrid photonic crystal containing cholesteric liquid crystal. Applied Physics Letters, 2006, 89, 101109.	3.3	40
287	Perylene derivative sensitized multi-walled carbon nanotube thin film. Carbon, 2005, 43, 2501-2507.	10.3	71
288	Pyroelectric and electromechanical properties of the antiferroelectric liquid crystal MHPOBC. Journal of Experimental and Theoretical Physics, 2005, 100, 422-427.	0.9	2

#	Article	IF	Citations
289	Light propagation analysis and high-speed electro-optic switching in one-dimensional photonic crystal with nematic liquid crystal defect layer. Electronics and Communications in Japan, 2005, 88, 46-53.	0.2	4
290	Single-Mode Lasing in One-Dimensional Periodic Structure Containing Helical Structure as a Defect. Japanese Journal of Applied Physics, 2005, 44, L629-L632.	1.5	43
291	Optical Recording by Smectic Layer Rotation in a Ferroelectric Liquid Crystal Device with an Amorphous Si Layer. Molecular Crystals and Liquid Crystals, 2005, 434, 87/[415]-95/[423].	0.9	1
292	Fabrication and Field Emission Properties of C60Nanorod Formed by Spin-Cast Treatment. Japanese Journal of Applied Physics, 2005, 44, L851-L853.	1.5	6
293	Effect of Indium-Tin Oxide Surface Micromodification and Improvement of Long-Wavelength Sensitivity on Photovoltaic Properties of Photovoltaic Cell with Conducting Polymer/C60Interpenetrating Heterostructure. Japanese Journal of Applied Physics, 2005, 44, 1978-1981.	1.5	6
294	Measurement of Electrically Induced Vibration Profile in Freely Suspended Film of Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 2005, 44, 7126-7129.	1.5	1
295	Formation of Nanorod-Shaped Surface of C60Film and Its Field Emission Properties. Japanese Journal of Applied Physics, 2005, 44, L388-L390.	1.5	4
296	Unidirectional Laser Emission from Spiral Microcavity Utilizing Conducting Polymer. Japanese Journal of Applied Physics, 2005, 44, L1091-L1093.	1.5	16
297	Field Emission Properties of the Nonaligned Multiwalled Carbon Nanotube Films with Different Length. Japanese Journal of Applied Physics, 2005, 44, L253-L255.	1.5	3
298	Lasing of Poly(3-alkylthiophene) in Microcapillary Geometry. Japanese Journal of Applied Physics, 2005, 44, L1056-L1058.	1.5	10
299	Side Chain Length Dependence of Optical Properties of Polyanions Based on Poly(p-phenylenevinylene) and Their Self-Assembled Multilayer Structures. Japanese Journal of Applied Physics, 2005, 44, 1970-1973.	1.5	1
300	Dual ring laser emission of conducting polymers in microcapillary structures. Applied Physics Letters, 2005, 86, 141903.	3.3	19
301	Enhancement of third-order optical nonlinearities by conjugated polymer-bonded carbon nanotubes. Journal of Applied Physics, 2005, 98, 034301.	2.5	44
302	Tunable Defect Mode in One-Dimensional Photonic Crystal with Liquid Crystal Defect Layer. Molecular Crystals and Liquid Crystals, 2005, 433, 247-257.	0.9	8
303	Optical and electrical characterizations of nanocomposite film of titania adsorbed onto oxidized multiwalled carbon nanotubes. Journal of Physics Condensed Matter, 2005, 17, 4361-4368.	1.8	40
304	Low Driving Voltage Tunable Laser Based on One-dimensional Photonic Crystal Containing Liquid Crystal Defect Layer. Molecular Crystals and Liquid Crystals, 2005, 441, 87-95.	0.9	5
305	Laser Action Based on Electrically Controllable Defect Mode in One-Dimensional Photonic Crystal Containing Conducting Polymer and Liquid Crystal Defect Layers. Molecular Crystals and Liquid Crystals, 2005, 433, 237-245.	0.9	3
306	Origin of Free Charge Carrier Generation of the Second-order Process Photocurrent in Conjugated Polymer Studied by Two-Correlated-Pulse Technique. Synthetic Metals, 2005, 154, 101-104.	3.9	4

#	Article	IF	Citations
307	Photopumped multimode blue laser emission from cylindrical microcavities of conducting polymers with heteroatoms in main chains. Synthetic Metals, 2005, 152, 209-212.	3.9	8
308	Highly efficient photovoltaic cells composed of interpenetrating conducting polymer/C60 heterojunction. Synthetic Metals, 2005, 152, 121-124.	3.9	8
309	Optical properties of poly(p-phenylenevinylene) periodic multilayer structures fabricated by self-assembly method and its light-emitting devices with microdisk geometry. Synthetic Metals, 2005, 153, 217-220.	3.9	1
310	Properties of Polaron Pairs in Conjugated Polymers Studied by Two-Correlated-Pulses Technique. Journal of the Physical Society of Japan, 2004, 73, 1888-1894.	1.6	3
311	Electric-Field-Induced Layer Rearrangement in the Smectic A Phase of Nonsymmetric Dimeric Liquid Crystal. Japanese Journal of Applied Physics, 2004, 43, 4290-4293.	1.5	1
312	Defect Mode in One-Dimensional Photonic Crystal with In-Plane Switchable Nematic Liquid Crystal Defect Layer. Japanese Journal of Applied Physics, 2004, 43, L1477-L1479.	1.5	32
313	Optical properties and microring laser of conducting polymers with Sn atoms in main chains. Journal of Applied Physics, 2004, 95, 4193-4196.	2.5	13
314	Influence of vapors of volatile organic compounds on spectral shift of bending vibrations of freely suspended ferroelectric liquid-crystal films. Applied Physics Letters, 2004, 84, 3723-3725.	3.3	2
315	HOLOGRAPHICAL FABRICATION OF PERIODICALLY ALIGNED DOMAIN STRUCTURE USING AZO-DYE DOPED FERROELECTRIC LIQUID CRYSTAL HAVING N*-C* PHASE SEQUENCE. Molecular Crystals and Liquid Crystals, 2004, 413, 473-478.	0.9	2
316	Designing of Smectic Layer Alignment by Optical Patterning using Smectic Layer Rotation. Molecular Crystals and Liquid Crystals, 2004, 409, 243-250.	0.9	2
317	Realization of Polymeric Optical Integrated Devices Utilizing Organic Light-Emitting Diodes and Photodetectors Fabricated on a Polymeric Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 70-78.	2.9	82
318	Optical property of electro-tunable defect mode in 1D periodic structure with light crystal defect layer. Electronics and Communications in Japan, 2004, 87, 24-31.	0.2	5
319	Electrically wavelength tunable laser based on one-dimensional structure with liquid crystal defect layer. Electronics and Communications in Japan, 2004, 87, 1-8.	0.2	1
320	Fast Electrooptic Response Based on Defect Mode Switching in One-Dimensional Photonic Crystal Containing Nematic Liquid Crystal and Ferroelectric Liquid Crystal as a Defect Layer. Ferroelectrics, 2004, 312, 63-69.	0.6	0
321	Electrically tunable lasing based on defect mode in one-dimensional photonic crystal with conducting polymer and liquid crystal defect layer. Applied Physics Letters, 2004, 84, 1844-1846.	3.3	70
322	Measurement of dielectric response of 1MC1EPOPB and 1BC1EPOPB ferroelectric liquid crystals. IEEE Transactions on Dielectrics and Electrical Insulation, 2004, 11, 179-183.	2.9	1
323	FLEXIBLE LASERS MADE FROM CHOLESTERIC LIQUID CRYSTAL POLYMERS. Molecular Crystals and Liquid Crystals, 2004, 413, 507-514.	0.9	1
324	Electrooptical Switching in Homeotropically Aligned Cell Geometry of Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 2004, 410, 191-200.	0.9	4

#	Article	IF	Citations
325	Vibration Analysis of Freely Suspended Liquid-Crystal Films. Molecular Crystals and Liquid Crystals, 2004, 412, 377-383.	0.9	0
326	Tunable photonic defect modes in a cholesteric liquid crystal induced by optical deformation of helix. Physical Review E, 2004, 69, 061715.	2.1	77
327	Tunable laser action in a dye-doped nematic liquid-crystal waveguide under holographic excitation based on electric-field-induced TM guided-mode modulation. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1651.	2.1	14
328	Electro-tunable liquid crystal waveguide laser. , 2004, , .		2
329	Laser actions in nano-helical-structured liquid crystals. , 2004, , .		0
330	Novel tunable optical properties of liquid crystals, conjugated molecules and polymers in nanoscale periodic structures as photonic crystals. Macromolecular Symposia, 2004, 212, 179-190.	0.7	9
331	Viewing Angle Characteristics in Homeotropically Aligned Ferroelectric Liquid Crystal. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 326-330.	0.2	0
332	Electro-Tunable Liquid-Crystal Laser. Advanced Materials, 2003, 15, 974-977.	21.0	113
333	Conversion of acoustic bending vibration frequency in a freely suspended ferroelectric liquid-crystal film. JETP Letters, 2003, 77, 140-142.	1.4	1
334	Direct Observation of Kinetics of Dissociation of Polaron Pairs in Electrical Field. Japanese Journal of Applied Physics, 2003, 42, L538-L541.	1.5	4
335	Defect Mode Switching in One-Dimensional Photonic Crystal with Nematic Liquid Crystal as Defect Layer. Japanese Journal of Applied Physics, 2003, 42, L669-L671.	1.5	35
336	Electrically tunable waveguide laser based on ferroelectric liquid crystal. Applied Physics Letters, 2003, 82, 4026-4028.	3.3	66
337	Second-order process photocurrent in conducting polymer. Synthetic Metals, 2003, 135-136, 319-320.	3.9	0
338	Photoluminescence, electroluminescence and lasing of conducting polymers with heteroatoms in main chains. Synthetic Metals, 2003, 137, 1021-1022.	3.9	2
339	Optical properties and gel characteristics in inverse opals made from poly(3-alkylthiophene) and photopolymer. Synthetic Metals, 2003, 137, 1417-1418.	3.9	1
340	Electrically color-tunable defect mode lasing in one-dimensional photonic-band-gap system containing liquid crystal. Applied Physics Letters, 2003, 82, 3593-3595.	3.3	184
341	Electro-tunable laser action in a dye-doped nematic liquid crystal waveguide under holographic excitation. Applied Physics Letters, 2003, 83, 422-424.	3.3	24
342	Dielectric and calorimetric studies on 1BC1EPOPB feroelectric liquid crystal having a large spontaneous polarization. Phase Transitions, 2003, 76, 999-1006.	1.3	0

#	Article	IF	Citations
343	Twist-Defect-Mode Lasing in Photopolymerized Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, L472-L475.	1.5	72
344	Optomechanical effect in ferroelectric liquid crystal freely suspended films. Journal of Applied Physics, 2003, 94, 5206.	2.5	1
345	Multicolor Luminescence Properties of Ï€-Conjugated Oligomer with Salicylideneaniline Moieties. Japanese Journal of Applied Physics, 2003, 42, L694-L697.	1.5	2
346	Single-Mode Operation of Electrotunable Laser in a Dye-Doped Nematic Liquid-Crystal Waveguide under Holographic Excitation. Japanese Journal of Applied Physics, 2003, 42, L1462-L1464.	1.5	7
347	Thermal Photodetector Using Freely Suspended Liquid-Crystal Film. Japanese Journal of Applied Physics, 2003, 42, 198-201.	1.5	14
348	Molecular Dynamics and Film Vibration Induced by Electric Field in Freely Suspended Ferroelectric Liquid Crystal Film. Japanese Journal of Applied Physics, 2003, 42, 6176-6179.	1.5	2
349	Electrooptic Effect Based on Helix Deformation in Homeotropically Aligned Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, 526-530.	1.5	8
350	Discontinuous Shift of Lasing Wavelength with Temperature in Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, L1523-L1525.	1.5	125
351	Temporal Electro-Instability of the Shape of Freely Suspended Ferroelectric Liquid Crystal Films. Japanese Journal of Applied Physics, 2003, 42, 1338-1340.	1.5	2
352	Time-Resolved Study of Fullerene Doping Effects on Photoluminescence and Photoconductivity of Poly(3-alkylthiophene). Japanese Journal of Applied Physics, 2003, 42, 1788-1793.	1.5	2
353	Tunable lasing in doped liquid crystals with one-dimensional periodic structure. , 2003, , .		4
354	Optical recording using smectic layer rotation in ferroelectric liquid crystal. Applied Physics Letters, 2002, 80, 2439-2441.	3.3	3
355	Pressure sensor based on freely suspended ferroelectric liquid crystal film. Applied Physics Letters, 2002, 80, 571-573.	3.3	8
356	Time-resolved study of polaron pairs in conjugated polymers by two-correlated-pulses technique. Physical Review B, 2002, 66, .	3.2	9
357	Electro-optical response of reflected light from freely suspended smectic liquid-crystal films. Journal of Applied Physics, 2002, 92, 6384-6389.	2.5	0
358	Fabrication of Flexible Distributed Feedback Laser Using Photoinduced Surface Relief Grating on Azo-Polymer Film as a Template. Japanese Journal of Applied Physics, 2002, 41, L1386-L1388.	1.5	32
359	Time-resolved optical and electrical study of second-order processes responsible for the formation of free polarons in conjugated polymers. Physical Review B, 2002, 66, .	3.2	10
360	Electro-Tunable Defect Mode in One-Dimensional Periodic Structure Containing Nematic Liquid Crystal as a Defect Layer. Japanese Journal of Applied Physics, 2002, 41, L1482-L1484.	1.5	81

#	Article	IF	Citations
361	Transient Properties of Organic Electroluminescent Diode Using 8-Hydroxyquinoline Aluminum Doped with Rubrene as an Electro-Optical Conversion Device for Polymeric Integrated Devices. Japanese Journal of Applied Physics, 2002, 41, 2746-2748.	1.5	41
362	Vibration Characteristics of Freely Suspended Ferroelectric Liquid Crystal Film. Ferroelectrics, 2002, 278, 37-45.	0.6	2
363	In-Plane Polarization Reversal and Boundary Effect in Transferred Ferroelectric Liquid Crystal Thin Film. Japanese Journal of Applied Physics, 2002, 41, 5288-5291.	1.5	1
364	Flexible mirrorless laser based on a free-standing film of photopolymerized cholesteric liquid crystal. Applied Physics Letters, 2002, 81, 3741-3743.	3.3	150
365	Relaxation kinetics of photoinduced surface relief grating on azopolymer films. Journal of Applied Physics, 2002, 92, 6959-6965.	2.5	8
366	Structure and dynamics of suspensions of silica particles in liquid crystals under a low frequency AC applied voltage. IEEE Transactions on Dielectrics and Electrical Insulation, 2002, 9, 31-38.	2.9	7
367	Mirrorless Lasing in a Dye-Doped Ferroelectric Liquid Crystal. Advanced Materials, 2002, 14, 306-309.	21.0	190
368	Electric Field Tuning of the Stop Band in a Liquid-Crystal-Infiltrated Polymer Inverse Opal. Advanced Materials, 2002, 14, 514-518.	21.0	165
369	Electronic and optical properties of liquid-crystalline poly(p-phenylene vinylene) derivatives and their functional application. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	0.4	2
370	Optical properties of disubstituted polyacetylene thin films. Synthetic Metals, 2001, 116, 95-99.	3.9	44
371	Exciton dynamics in disubstituted polyacetylenes. Synthetic Metals, 2001, 119, 597-598.	3.9	36
372	Novel properties of conducting polymers containing azobenzene moieties in side chain. Synthetic Metals, 2001, 119, 599-600.	3.9	29
373	Novel optical properties of conducting polymer-photochromic polymer systems. Synthetic Metals, 2001, 119, 607-608.	3.9	12
374	Tunable optical properties of conducting polymers infiltrated in synthetic opal as photonic crystal. Synthetic Metals, 2001, 121, 1459-1462.	3.9	13
375	Temperature and voltage dependent optical properties of conducting polymer in synthetic opal as photonic crystal. Synthetic Metals, 2001, 121, 1503-1504.	3.9	3
376	Electric field tuning of a stop band in a reflection spectrum of synthetic opal infiltrated with nematic liquid crystal. Applied Physics Letters, 2001, 79, 3627-3629.	3.3	158
377	Spectral narrowing of photoluminescence and improvement of electroluminescent properties in conducting polymers with Si atoms in main chains. Journal of Applied Physics, 2001, 90, 6061-6065.	2.5	21
378	ELECTROOPTIC EFFECTS OF THICK FREELY SUSPENDED FERROELECTRIC LIQUID CRYSTAL FILM AND CELL. Molecular Crystals and Liquid Crystals, 2001, 366, 519-523.	0.3	1

#	Article	IF	Citations
379	Fabrication of Optically Designed Multidomain Layer Structure using Azo-Dye-Doped Ferroelectric Liquid Crystal Having N*â€'C* Phase Sequence. Molecular Crystals and Liquid Crystals, 2001, 368, 431-443.	0.3	1
380	Reversible UV Image Recording on a Photochromic Side Chain Liquid Crystalline Polymer. Molecular Crystals and Liquid Crystals, 2001, 355, 359-380.	0.3	2
381	ELLIPSOMETRY OF MOLECULAR REORIENTATION IN A FREELY SUSPENDED FERROELECTRIC LIQUID CRYSTAL FILM. Molecular Crystals and Liquid Crystals, 2001, 366, 565-571.	0.3	2
382	DIELECTRIC AND PHASE TRANSITION STUDIES OF 1MC1EPOPB FERROELECTRIC LIQUID CRYSTAL. Molecular Crystals and Liquid Crystals, 2001, 366, 673-681.	0.3	9
383	Organic electroluminescent diodes as a light source for polymeric integrated devices. , 2001, , .		1
384	Surface and flexoelectric polarization in a nematic liquid crystal 5CB. European Physical Journal E, 2001, 4, 183-192.	1.6	37
385	Organic electroluminescent diodes as a light source for polymeric waveguides â€" toward organic integrated optical devices. Thin Solid Films, 2001, 393, 267-272.	1.8	18
386	POLARIZATION MEASUREMENT IN NEMATIC LIQUID CRYSTAL BASED ON THE PYROELECTRIC RESPONSE TO LASER IRRADIATION. Molecular Crystals and Liquid Crystals, 2001, 366, 283-293.	0.3	3
387	Linear electromechanical effect in free-standing ferroelectric liquid-crystalline films. Journal of Experimental and Theoretical Physics, 2001, 93, 94-102.	0.9	4
388	Temperature Tuning of Optical Stop Band of Liquid-Crystal Infiltrated Synthetic Opal. Molecular Crystals and Liquid Crystals, 2001, 368, 351-358.	0.3	0
389	Novel Electrical and Optical Properties of Liquid Crystals Infiltrated in Opal as Photonic Crystal. Molecular Crystals and Liquid Crystals, 2001, 364, 501-509.	0.3	5
390	TIME OF FLIGHT STUDY ON CARRIER GENERATION AND TRANSPORT IN DISCOTIC LIQUID CRYSTAL. Molecular Crystals and Liquid Crystals, 2001, 366, 359-367.	0.3	0
391	Surface and Flexoelectric Polarization in Nematic and Smectic A Phases of Liquid Crystal 4-octyloxy-4â€²-cyanobiphenyl. Japanese Journal of Applied Physics, 2001, 40, 5011-5018.	1.5	6
392	Influences of Interchain Interaction on Exciton Dynamics in Poly(3-alkylthiophene). Japanese Journal of Applied Physics, 2001, 40, 7103-7109.	1.5	12
393	STRUCTURAL PROPERTIES OF HETERO LAYER THIN FILM COMPOSED OF FREELY SUSPENDED AND SPIN-COATED LIQUID CRYSTAL FILMS. Molecular Crystals and Liquid Crystals, 2001, 366, 377-385.	0.3	0
394	Alignment and Dynamics of SiO₂ Particles in Liquid Crystal under Applied Electric Field. Molecular Crystals and Liquid Crystals, 2001, 367, 37-43.	0.3	1
395	Separate measurements of the flexoelectric and surface polarization in a model nematic liquid crystalp-methoxybenzylidene-pâ€²-butylaniline: Validity of the quadrupolar approach. Physical Review E, 2001, 64, 031707.	2.1	16
396	Anomalous Optical Anisotropy Induced by Liquid Crystallinity of Poly(2,5-dialkoxy-p-phenylenebutadiynylene) Using a Conventional Rubbing Process. Advanced Materials, 2000, 12, 587-589.	21.0	15

#	Article	IF	Citations
397	An electroluminescent diode using liquid-crystalline conducting polymer. Thin Solid Films, 2000, 363, 9-12.	1.8	6
398	Electromechanical Vibration Study in Freely Suspended Smectic Liquid Crystal. Molecular Crystals and Liquid Crystals, 2000, 347, 111-120.	0.3	0
399	Electrical, Optical, Electro-Optical and Electro-Mechanical Properties of Liquid Crystals in Freely Suspended Films and in Periodic Three-Dimensional Array of Nano-Scale Voids in Synthetic Opals. Molecular Crystals and Liquid Crystals, 2000, 347, 95-109.	0.3	1
400	Photoinduced Surface Relief Grating on Composite Film of Conducting Polymer and Polyacrylate Containing Azo-Substituent. Japanese Journal of Applied Physics, 2000, 39, L614-L616.	1.5	9
401	Time-resolved study of luminescence in highly luminescent disubstituted polyacetylene and its blend with poorly luminescent monosubstituted polyacetylene. Physical Review B, 2000, 61, 10167-10173.	3.2	50
402	Formation of Surface Relief Grating upon Light Irradiation in Conducting Polymer and Photochromic Polymer Composite System. Molecular Crystals and Liquid Crystals, 2000, 345, 269-274.	0.3	1
403	Optical properties, spectral narrowing of photoluminescence and blue electroluminescence of poly(phenylene pyridine) derivatives. Applied Physics Letters, 2000, 77, 660-662.	3.3	13
404	Surface and flexoelectric polarization in a nematic liquid crystal directly measured by a pyroelectric technique. Physical Review E, 2000, 62, 8091-8099.	2.1	32
405	Photoinduced layer alignment control in ferroelectric liquid crystal with N*â€“C* phase transition doped with photochromic dye. Applied Physics Letters, 2000, 76, 1228-1230.	3.3	19
406	Optical properties of substituted phthalocyanine rare-earth metal complexes. Journal of Applied Physics, 2000, 88, 7137-7143.	2.5	31
407	Influence of Guest Conformation (Rod- or Banana-like Photo-Isomers) on Flexoelectric Coefficients in Nematic Liquid Crystals. Japanese Journal of Applied Physics, 1999, 38, L1042-L1045.	1.5	10
408	Measurements of Carrier Mobility and Quantum Yield of Carrier Generation in Discotic Liquid Crystal Hexahexyl-Oxytriphenylene by Time-of-Flight Method. Japanese Journal of Applied Physics, 1999, 38, L1038-L1041.	1.5	18
409	Tunable Optical Stop Band Utilizing Thermochromism of Synthetic Opal Infiltrated with Conducting Polymer. Japanese Journal of Applied Physics, 1999, 38, L1475-L1477.	1.5	19
410	Mechanical Tuning of the Optical Properties of Plastic Opal as a Photonic Crystal. Japanese Journal of Applied Physics, 1999, 38, L786-L788.	1.5	53
411	Erasable Patterning in Ferroelectric Liquid Crystal with N*-SmC* Phase Sequence by Optical Heating. Molecular Crystals and Liquid Crystals, 1999, 331, 273-280.	0.3	1
412	Photoinduced luminescence quenching and insolubilization of star-like branched organosilicon compounds. Applied Physics Letters, 1999, 75, 2193-2195.	3.3	3
413	Influence of Smectic Layer Structure on Electric Field-Induced Migration of SiO₂ Particles. Molecular Crystals and Liquid Crystals, 1999, 329, 129-135.	0.3	5
414	Electromechanical effect in freely suspended liquid crystal films. Applied Physics Letters, 1999, 75, 64-66.	3.3	18

#	Article	IF	Citations
415	Amplified spontaneous emission and lasing in conducting polymers and fluorescent dyes in opals as photonic crystals. Applied Physics Letters, 1999, 74, 2590-2592.	3.3	117
416	Control of the bias tilt angles in nematic liquid crystals. Journal of Applied Physics, 1999, 85, 2556-2561.	2.5	6
417	Electrical Properties of a Periodic Porous Carbon Replica of Opal. Japanese Journal of Applied Physics, 1999, 38, 4926-4929.	1.5	18
418	Optical properties of conducting polymers in nano-scale periodic structure, microcavities and photonic crystals. Microelectronic Engineering, 1999, 47, 49-53.	2.4	10
419	Flexoelectric polarization in nematic liquid crystals measured by a field on-off pyroelectric technique. JETP Letters, 1999, 69, 236-242.	1.4	14
420	Novel properties of nanoscale organicâ€“inorganic systems and photonic crystals â€” conducting polymers in nanoscale periodic structures, microcavities and photonic crystals. Superlattices and Microstructures, 1999, 25, 325-341.	3.1	10
421	Tunable Optical Stop Band and Reflection Peak in Synthetic Opal Infiltrated with Liquid Crystal and Conducting Polymer as Photonic Crystal. Japanese Journal of Applied Physics, 1999, 38, L961-L963.	1.5	67
422	Effect of fullerene doping on electrical and optical properties of poly(disilanyleneoligophenylene)s and poly(disilanyleneoligothienylene)s. Synthetic Metals, 1999, 102, 963-964.	3.9	1
423	Pl and el characteristics of mixture of polyacetylene derivatives and dynamics of excitons. Synthetic Metals, 1999, 101, 210-211.	3.9	9
424	Photoluminescence and Electroluminescence in Polyacetylene Derivatives. Synthetic Metals, 1999, 102, 1159.	3.9	10
425	Temperature tuning of the stop band in transmission spectra of liquid-crystal infiltrated synthetic opal as tunable photonic crystal. Applied Physics Letters, 1999, 75, 932-934.	3.3	340
426	Properties of Liquid Crystals in Photonic Crystal, Synthetic Opal. Molecular Crystals and Liquid Crystals, 1999, 329, 433-440.	0.3	6
427	Molecular reorientation and deformation of a freely suspended ferroelectric liquid crystal film. Applied Physics Letters, 1999, 74, 117-119.	3.3	20
428	Picosecond to millisecond photoexcitation dynamics in blends of C60 with poly(p-phenylene vinylene) polymers. Chemical Physics Letters, 1998, 286, 21-27.	2.6	27
429	Observation of inhibited spontaneous emission and stimulated emission of rhodamine 6G in polymer replica of synthetic opal. Applied Physics Letters, 1998, 73, 3506-3508.	3.3	137
430	Direct measurements by the pulse pyroelectric technique of the soft-mode relaxation times on both sides of the smectic Aâ€“C* transition. Ferroelectrics, 1998, 212, 37-44.	0.6	1
431	Spectral Narrowing of Photoluminescence in Conducting Polymer and Fluorescent Dyes Infiltrated in Photonic Crystal, Synthetic Opal. Japanese Journal of Applied Physics, 1998, 37, L1187-L1189.	1.5	21
432	Electrical and Optical Properties of a Poly(p-Phenylenevinylene) Derivative with a Mesogenic Substituent. Japanese Journal of Applied Physics, 1998, 37, L882-L885.	1.5	1

#	Article	IF	Citations
433	Photoinduced dichroism and optical anisotropy in a liquid-crystalline azobenzene side chain polymer caused by anisotropic angular distribution oftransandcisisomers. Journal of Applied Physics, 1998, 84, 3860-3866.	2.5	51
434	Optical Recording in Ferroelectric Liquid Crystal Using N*-SmC* Phase Transition. Japanese Journal of Applied Physics, 1998, 37, 5379-5381.	1.5	6
435	Photoluminescence, Electroluminescence, Lasing and Novel Characteristics in Photonic Crystal, Synthetic Opal, of Conducting Polymers, Polyacetylene Derivatives. Molecular Crystals and Liquid Crystals, 1998, 322, 253-262.	0.3	2
436	Sign inversion of spontaneous polarization in ferroelectric liquid crystal mixtures. Ferroelectrics, 1998, 214, 51-58.	0.6	3
437	Circular textures induced by alternating electric field in freely suspended ferroelectric liquid crystal films. Ferroelectrics, 1998, 214, 43-50.	0.6	0
438	Dynamics of smectic layer alignment in ferroelectric and antiferroelectric liquid crystals. Ferroelectrics, 1998, 212, 195-202.	0.6	5
439	Uniform rotation of smectic layers of a ferroelectric liquid crystal in an asymmetric electric field. JETP Letters, 1998, 67, 978.	1.4	2
440	Emission Characteristics of Poly[(tetraalkyldisilanylene)-p-oligophenylene]s. Japanese Journal of Applied Physics, 1997, 36, L1548-L1551.	1.5	6
441	The Optical Properties of Porous Opal Crystals Infiltrated with Organic Molecules. Japanese Journal of Applied Physics, 1997, 36, L714-L717.	1.5	73
442	Electrical Properties of Discotic Liquid Crystal Hexahexyloxytriphenylene. Japanese Journal of Applied Physics, 1997, 36, 5183-5186.	1.5	18
443	Electric Field-Induced Migration of SiO 2 Particles in Smectic Liquid Crystal. Japanese Journal of Applied Physics, 1997, 36, L1520-L1522.	1.5	14
444	Mechanical vibration of freely suspended ferroelectric liquid-crystal film excited by sound and electric field. Journal of Applied Physics, 1997, 82, 2791-2794.	2.5	23
445	Control of Layer Arrangement by Electric Field in Ferroelectric. Japanese Journal of Applied Physics, 1997, 36, 6122-6124.	1.5	6
446	Optical Response in a Unique Circular Texture of Freely Suspended Ferroelectric Liquid Crystal Films. Japanese Journal of Applied Physics, 1997, 36, 6125-6128.	1.5	3
447	Dispersion of Resonant Raman Scattering inÏ€-Conjugated Polymers: Role of the Even Parity Excitons. Physical Review Letters, 1997, 79, 1762-1765.	7.8	43
448	Exciton Dynamics in soluble Poly(p-phenylene-vinylene): Towards an Ultrafast Excitonic Switch. Physical Review Letters, 1997, 78, 4285-4288.	7.8	114
449	Smectic layer rotation by dc field in ferroelectric liquid crystal. Applied Physics Letters, 1997, 70, 2117-2119.	3.3	16
450	Guest-host electro-optic switching in spin-coated polymer ferroelectric liquid crystal film. Applied Physics Letters, 1997, 71, 3373-3375.	3.3	7

#	Article	IF	Citations
451	Electrooptic Characteristics of Free-Standing Chiral Smectic Ultra-Thin Film. Molecular Crystals and Liquid Crystals, 1997, 304, 377-381.	0.3	2
452	Novel ferroelectric properties of ferroelectric liquid crystal - conducting polymer system. Ferroelectrics, 1997, 196, 289-296.	0.6	0
453	Nonlinear optical properties of ferroelectric liquid crystal. Ferroelectrics, 1997, 196, 297-303.	0.6	1
454	Optical properties of poly(disilanylene oligophenylenes). , 1997, 3145, 192.		1
455	Ultrafast femtosecond relaxation processes in luminescent and nonluminescent conducting polymers. , 1997, 3145, 495.		1
456	Laser action in conducting polymers. , 1997, 3145, 2.		1
457	Electromodulated photoinduced absorption: a new spectroscopy in Ï€-conjugated polymer/C 60 blends. , 1997, 3142, 150.		0
458	Near-infrared ps transient photoinduced absorption in conjugated systems. , 1997, , .		0
459	Static and dynamic properties of ferroelectric liquid crystal and their novel applications. Ferroelectrics, 1997, 197, 1-9.	0.6	7
460	Smectic Layer Rotation by Electric Field in Ferro- and Antiferroelectric Liquid Crystals. Molecular Crystals and Liquid Crystals, 1997, 304, 339-343.	0.3	2
461	Cooperative Emission inÏ€-Conjugated Polymer Thin Films. Physical Review Letters, 1997, 78, 729-732.	7.8	293
462	Electroabsorption spectroscopy of luminescent and nonluminescent Ï€-conjugated polymers. Physical Review B, 1997, 56, 15712-15724.	3.2	178
463	Optical properties of substituted poly(paraphenylene). Synthetic Metals, 1997, 84, 641-642.	3.9	11
464	Novel properties of molecularly doped conducting polymers and junction devices. Synthetic Metals, 1997, 84, 477-482.	3.9	11
465	Observation of Superradiance in DOO-PPV films;towards ultrafast lasers.. Synthetic Metals, 1997, 84, 471-472.	3.9	16
466	Spectral narrowing in DOO-PPV films: Superradiance or Amplified Spontaneous Emission?. Synthetic Metals, 1997, 84, 473-474.	3.9	11
467	Picosecond photophysics of luminescent conducting polymers from excitons to polaron pairs. Synthetic Metals, 1997, 84, 493-496.	3.9	27
468	Optical studies of electronic states and coupled vibrations in substituted polyacetylene. Synthetic Metals, 1997, 84, 511-512.	3.9	7

#	Article	IF	Citations
469	Two-photon absorption spectra of luminescent conducting polymers. Synthetic Metals, 1997, 84, 549-550.	3.9	73
470	Formation of Piled Circular Texture Induced by Alternating Electric Field in Freely Suspended Ferroelectric Liquid Crystal Films. Japanese Journal of Applied Physics, 1997, 36, L1198-L1200.	1.5	10
471	Two-photon absorption spectra of luminescent conducting polymers measured over wide spectral range. , 1997, , .		6
472	Optical properties of disubstituted acetylene polymers. , 1997, , .		14
473	Reversible smectic layer rotation by electric field in antiferroelectric liquid crystals. Ferroelectrics, 1996, 178, 277-285.	0.6	24
474	Electro-optic switching in spin-coated ferroelectric mesomorphic polymer films and its analysis. Journal of Applied Physics, 1996, 79, 4444.	2.5	4
475	Dynamic response of electroâ€optic effect in freeâ€standing ferroelectric liquid crystal film. Applied Physics Letters, 1996, 69, 1503-1505.	3.3	16
476	PROPERTY AND ELECTRO-OPTIC EFFECTS IN SPIN-COATED POLYMERIC FERROELECTRIC LIQUID CRYSTALS. Ferroelectrics, 1996, 181, 297-306.	0.6	4
477	Second-harmonic generation induced by flexoelectric effect in cholesteric liquid crystal. Ferroelectrics, 1996, 179, 241-247.	0.6	1
478	LIGHT SCATTERING IN POLYMERIC FERROELECTRIC LIQUID CRYSTAL. Ferroelectrics, 1996, 181, 307-318.	0.6	1
479	Electrooptic Behavior of Free-Standing Ferroelectric Liquid Crystal Film. Japanese Journal of Applied Physics, 1996, 35, L158-L160.	1.5	10
480	Mirrorless Lasing in Conducting Polymer poly(2,5-dioctyloxy- p-phenylenevinylene) Films. Japanese Journal of Applied Physics, 1996, 35, L1371-L1373.	1.5	124
481	Smectic Layer Rotation in the Smectic A Phase of Ferroelectric and Antiferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1996, 35, 6200-6201.	1.5	29
482	Second-Harmonic Generation in Smectic A Phase of Ferroelectric Liquid Crystal Induced by Electroclinic Effect. Japanese Journal of Applied Physics, 1996, 35, L104-L107.	1.5	5
483	Effect ofTrans-Cis Isomerization of a Chiral Azo-Dye on Dye-Induced Ferroelectricity in an Achiral Liquid Crystal. Japanese Journal of Applied Physics, 1996, 35, 5405-5410.	1.5	26
484	Characteristics of Ultrathin Ferroelectric Liquid Crystal Film and Optical Switching. Japanese Journal of Applied Physics, 1996, 35, 5050-5053.	1.5	16
485	Liquid Crystalline Behaviors of Conducting Polyacetylene Derivative with Mesogenic Substituent and Its Mixture with Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1996, 35, 3964-3970.	1.5	18
486	Photonics of fullerene-conducting polymer composites and multilayered structures: new results and prospects. , 1995, , .		0

#	Article	IF	Citations
487	Novel Characteristics of Poly(1,6-Heptadiyne) Derivatives with Long Side Chains in Liquid Crystalline Phase. Molecular Crystals and Liquid Crystals, 1995, 265, 121-134.	0.3	0
488	Unique Liquid Crystalline Behavior of Conducting Polyacetylene Derivatives. Molecular Crystals and Liquid Crystals, 1995, 261, 637-647.	0.3	4
489	Polarization Reversal Process and Transient Light Scattering in Polymeric Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1995, 34, 5429-5432.	1.5	2
490	Electrooptical and Nonlinear Optical Effects in Free-Surface Films of Polymeric Ferroelectric Liquid Crystals Prepared by Spin-Coating Method. Japanese Journal of Applied Physics, 1995, 34, 5433-5437.	1.5	8
491	New Bistable Electrooptic Effect in Side-Chain Ferroelectric Liquid Crystalline Polymer. Japanese Journal of Applied Physics, 1995, 34, L560-L562.	1.5	10
492	Field-Induced Second-Harmonic Generation in Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 1995, 34, L628-L630.	1.5	5
493	Static and Dynamic Characteristics of Field Induced Antiferroelectric-Ferroelectric Phase Transition. Molecular Crystals and Liquid Crystals, 1995, 263, 13-26.	0.3	19
494	Photophysical properties of fullerene-conducting polymer system. Synthetic Metals, 1995, 70, 1317-1320.	3.9	10
495	Novel properties of conducting polymer-liquid crystal system and their doping effect. Synthetic Metals, 1995, 69, 597-598.	3.9	2
496	Unique electrical and optical properties of polyacetylene derivatives in liquid crystal phase. Synthetic Metals, 1995, 69, 49-50.	3.9	10
497	Unique electrical, electrochemical and optical characteristics of polyheptadiyne derivatives with long side chains. Synthetic Metals, 1995, 69, 399-400.	3.9	1
498	Electrical properties of polymer composties: conducting polymer-polyacene quinone radical polymer. Synthetic Metals, 1995, 69, 357-358.	3.9	2
499	Smectic Layer Rotation in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1995, 34, L1599-L1602.	1.5	35
500	Anomalous Behavior of Spontaneous Polarization in Ferroelectric Liquid Crystal Mixture. Japanese Journal of Applied Physics, 1994, 33, 5488-5490.	1.5	4
501	Anomalous Phase Sequence in Binary Mixture of 3MC2PCPOPB and TFMHPOBC. Japanese Journal of Applied Physics, 1994, 33, 5503-5505.	1.5	2
502	Smectic Layer Rotation in Antiferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1994, 33, L1620-L1623.	1.5	39
503	Unidirectional Layer Alignment in Ferroelectric Liquid Crystal withN*-C*Phase Sequence. Japanese Journal of Applied Physics, 1994, 33, 5491-5493.	1.5	28
504	Optical second-harmonic generation in ferroelectric chiral smectic polysiloxane. Applied Physics B: Lasers and Optics, 1994, 59, 601-606.	2.2	15

#	Article	IF	Citations
505	Optical and dielectric properties of antiferroelectric liquid crystals and their surface effects. Liquid Crystals, 1993, 14, 1283-1293.	2.2	25
506	Leaky mode operation in FLC/waveguide modulator. Ferroelectrics, 1993, 149, 217-228.	0.6	6
507	Dielectric properties in antiferroelectric liquid crystals and their DC bias effects. Ferroelectrics, 1993, 147, 53-66.	0.6	40
508	Second harmonic generation in ferroelectric liquid crystals and guest-host effect. Ferroelectrics, 1993, 148, 337-347.	0.6	6
509	Linear optical switching in a FLC/waveguide composite device. Liquid Crystals, 1993, 14, 381-387.	2.2	8
510	Transient Light Scattering in Antiferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1993, 32, L1549-L1552.	1.5	4
511	DC-Bias-Field-Induced Dielectric Relaxation in Antiferroelectric Phase of TFMHPOBC. Japanese Journal of Applied Physics, 1993, 32, L1432-L1435.	1.5	21
512	Second-Harmonic Generation in Ferroelectric Liquid Crystalline Polymer. Japanese Journal of Applied Physics, 1993, 32, L852-L855.	1.5	14
513	Dielectric Properties in Ferroelectric and Antiferroelectric Liquid Crystals with Isotropic-Chiral Smectic C Phase Sequence. Japanese Journal of Applied Physics, 1993, 32, 4335-4338.	1.5	13
514	Electrical and Optical Properties of Conducting Polymer-Ferroelectric Liquid Crystal Composite. Japanese Journal of Applied Physics, 1993, 32, 4348-4351.	1.5	5
515	Unique Electrical and Optical Properties of Conducting Polymeric Liquid Crystal. Japanese Journal of Applied Physics, 1993, 32, L1673-L1676.	1.5	21
516	Second harmonic generation in ferroelectric liquid crystals and their mixtures. Liquid Crystals, 1993, 14, 1021-1032.	2.2	16
517	Antiferroelectric Properties and Their Surface Effect in Ferroelectric Liquid Crystal 3MC2PCPOPB. Japanese Journal of Applied Physics, 1992, 31, 3193-3195.	1.5	8
518	Electrooptic Modulation in the Optical Waveguide Using Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1992, 31, 3189-3192.	1.5	3
519	Nonlinear Optical Properties of Carbohydrazono-Pyrazole Derivatives with Excellent Transparency. Japanese Journal of Applied Physics, 1992, 31, L1068-L1070.	1.5	5
520	Hybrid optical bistability in ferroelectric liquid crystal and its dynamic characteristics. Electronics and Communications in Japan, 1992, 75, 33-42.	0.2	2
521	Electrooptic Effect in Homeotropically Aligned Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, 2366-2368.	1.5	20
522	Hybrid Optical Bistability Using Antiferroelectric Behavior in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, 2377-2379.	1.5	6

#	Article	IF	Citations
523	Phase-Matched Second-Harmonic Generation in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, L1569-L1572.	1.5	8
524	Optical Logic Element Using Ferroelectric Liquid Crystal with Electrical Feedback. Japanese Journal of Applied Physics, 1991, 30, 2373-2376.	1.5	0
525	Dynamic Characteristics of Optical Bistability and Limiting in Polymer Dispersed Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, 301-306.	1.5	6
526	Electrically Controlled Second-Harmonic Generation in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, 2369-2372.	1.5	7
527	Nonlinear Optical Response in Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 1991, 199, 213-221.	0.7	3
528	Electro-Optic Switching in Polymer Waveguide Using Surface Stabilized Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 1991, 202, 163-169.	0.7	10
529	Optical bistable and limiting behaviors in ferroelectric liquid crystal and optical processing. Ferroelectrics, 1991, 122, 113-125.	0.6	0
530	Static and dynamic properties of optical second harmonic generation in ferroelectric liquid crystal. Ferroelectrics, 1991, 121, 259-274.	0.6	32
531	Fast Optical Switching in Polymer Waveguide Using Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1990, 29, L843-L845.	1.5	26
532	Hybrid Optical Bistability and Limiting in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1990, 29, L625-L627.	1.5	5
533	Rotational viscosity in ferroelectric liquid crystals estimated from transient light scattering and dielectric properties. Journal of Applied Physics, 1989, 65, 3602-3605.	2.5	0
534	Magnitude and direction of the spontaneous polarization of ferroelectric liquid crystals with several bond moments. Liquid Crystals, 1989, 5, 1203-1211.	2.2	33
535	The characteristic dielectric behaviour in ferroelectric liquid crystals at a phase transition and the contribution of the soft mode. Liquid Crystals, 1989, 5, 1219-1226.	2.2	19
536	Effect of Hydroxyl Substituent on Ferroelectricity in Ester Type Ferroelectric Liquid Crystals. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 167, 191-197.	0.3	3
537	Anomalous temperature dependence of the dielectric and optical properties in ferroelectric liquid crystals. Liquid Crystals, 1989, 5, 1213-1218.	2.2	11
538	Dynamic Response of Second Harmonic Generation in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1989, 28, L1830-L1832.	1.5	22
539	Ferroelectric liquid crystals with large spontaneous polarization and high speed display devices. Ferroelectrics, 1989, 91, 267-276.	0.6	33
540	Dynamics and Pressure Effect of the Helix in Ferroelectric Liquid Crystal with Small Pitch. Japanese Journal of Applied Physics, 1989, 28, 130.	1.5	1

#	Article	IF	Citations
541	Angular Dependence of Transient Light Scattering in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1989, 28, 133.	1.5	5
542	Novel dielectric behavior of ferroelectric liquid crystals and high-field effects. IEEE Transactions on Electrical Insulation, 1988, 23, 639-644.	0.8	0
543	Soft Mode Contribution around Sm A-Sm C*Phase Transition Temperature under DC Bias Field in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1988, 27, L1996-L1998.	1.5	23
544	Characteristics of Ferroelectric Liquid Crystal Sandwiched between Drawn and Poled Polyvinylidene Fluoride Thin Films. Japanese Journal of Applied Physics, 1988, 27, L129-L131.	1.5	4
545	Effect of Molecular Structure of Core on Ferroelectricity in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1988, 27, 452-455.	1.5	9
546	Dependence of spontaneous polarization on orientation and position of several bond moments near chiral parts in ferroelectric liquid crystals. Ferroelectrics, 1988, 77, 137-144.	0.6	59
547	New Ferroelectric Liquid Crystals with Spontaneous Polarization Exceeding 10^{â^'7}C/cm² and Their Electrical and Optical Properties. Molecular Crystals and Liquid Crystals, 1987, 144, 87-103.	0.8	49
548	Effect of the Molecular Structure of the Chiral Part on Spontaneous Polarization and Dielectric Properties of Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1987, 26, L1558-L1560.	1.5	27
549	Novel Ferroelectricity in Fluorinated Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1987, 26, L77-L78.	1.5	59
550	Characteristics of Optical Switching and Memory Effects Utilizing Deformation of Helicoidal Structure of Ferroelectric Liquid Crystals with Large Spontaneous Polarization. Japanese Journal of Applied Physics, 1987, 26, 513-516.	1.5	52
551	Pressure Studies on Anomalous Dielectric Behavior in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1987, 26, L1927-L1929.	1.5	18
552	Dielectric properties of new stable ferroelectric liquid crystals with large spontaneous polarization. Journal of Chemical Physics, 1987, 86, 3648-3654.	3.0	51
553	Characteristic of Dielectric Behaviour of Ferroelectric Liquid Crystal at Smectic-A and Chiral Smectic-C Phase Transition. Journal of the Physical Society of Japan, 1987, 56, 4150-4156.	1.6	23
554	Hysteresis of Optical Transmission in Ferroelectric Liquid Crystal by Winding and Unwinding Motions of Helical Structure. Molecular Crystals and Liquid Crystals, 1987, 144, 43-56.	0.8	15
555	Characteristics of Transient Light Scattering in Ferroelectric Liquid Crystals. Molecular Crystals and Liquid Crystals, 1987, 146, 251-264.	0.8	11
556	Reversal of Spontaneous Polarization Direction in Ferroelectric Liquid Crystal with Temperature. Japanese Journal of Applied Physics, 1987, 26, 104.	1.5	9
557	Electrical and Optical Properties of Fluorinated Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1987, 26, 101.	1.5	6
558	Bistability of Electro-Optic Effects in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1987, 26, 110.	1.5	8

#	Article	IF	Citations
559	Influence of Electric Field and Cell Thickness on Dielectric Behaviour of Ferroelectric Liquid Crystal at Phase Transition. Japanese Journal of Applied Physics, 1987, 26, 97.	1.5	3
560	Synthesis of new ferroelectric liquid crystals and their novel ferroelectricity. Journal of the Chemical Society Chemical Communications, 1986, , 978.	2.0	60
561	Low Threshold Field of Electro-Optic Effect in Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. Japanese Journal of Applied Physics, 1986, 25, L416-L418.	1.5	33
562	New series of ferroelectric liquid crystals with large spontaneous polarization and dielectric constant. Journal of Chemical Physics, 1986, 85, 585-590.	3.0	19
563	Anomalous Dielectric Behaviour in Biphenyl Ester Series of Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1986, 25, L833-L835.	1.5	35
564	New Bistable Optical Switching Eletnent Utilizing Wound and Unwound States of Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1986, 25, L976-L978.	1.5	3
565	Characteristics of a high speed optical switching element utilizing transient light scattering in ferroelectric liquid crystals and its material dependent.. IEEJ Transactions on Fundamentals and Materials, 1986, 106, 399-406.	0.2	0
566	Characteristics of Transient Light Scattering in Ferroelectric Liquid Crystals as Functions of Molecular Structure, Cell Thickness and Temperature and Their Applications. Japanese Journal of Applied Physics, 1985, 24, 130.	1.5	4
567	Solid State Optical Switching and Memory Element with Conducting Polymer Controllable by Both Electric Field and Light Irradiation. Japanese Journal of Applied Physics, 1985, 24, L373-L374.	1.5	18
568	Characteristics of Electro-Optic Effect of Ferroelectric Liquid Crystals in Infrared Range. Japanese Journal of Applied Physics, 1985, 24, 45.	1.5	5
569	Dependence of Switching and Memory Times of Optical Switching Element Utilizing Ferroelectric Liquid Crystals on Thickness of Cell and Material. Japanese Journal of Applied Physics, 1985, 24, 59.	1.5	10
570	High Speed Colour Switching Element Utilizing Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1985, 24, 63.	1.5	1
571	New Electro-Optic Effect of Microsecond Response Utilizing Transient Light Scattering in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1984, 23, L385-L387.	1.5	80
572	Carrier Mobility in Poly-p-Phenylenesulfide. Japanese Journal of Applied Physics, 1984, 23, L55-L56.	1.5	6
573	Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. Japanese Journal of Applied Physics, 1984, 23, L175-L177.	1.5	64
574	Transient light scattering by domain switching in ferroelectric liquid crystal and its application as fast opto-electronics device. Ferroelectrics, 1984, 59, 145-160.	0.6	36
575	Synthesis and ferroelectric properties of new series of ferroelectric liquid crystals. Ferroelectrics, 1984, 58, 21-32.	0.6	40
576	Thickness and temperature dependences of dielectric property and electro-optic effect in ferroelectric liquid crystal. Ferroelectrics, 1984, 58, 283-304.	0.6	23

#	Article	IF	Citations
577	High Speed Electro-Optical Switching Element of TSM Type by Ferroelectric Liquid Crystal. The Review of Laser Engineering, 1984, 12, 141-145.	0.0	0
578	Electrical Transport and Breakdown of Poly-p-Phenylenesulfide. Japanese Journal of Applied Physics, 1983, 22, 1510-1514.	1.5	23
579	Effect of Double Doping on Electrical Conductivity of Poly-p-Phenylenesulfide. Japanese Journal of Applied Physics, 1983, 22, L289-L290.	1.5	6
580	Electrical Conductivity and Photoconductivity in Polymethylpentene. Japanese Journal of Applied Physics, 1983, 22, 1810-1814.	1.5	7
581	Optical property of photonic crystals infiltrated with various liquids and liquid crystals. , 0, , .		0
582	Electrical and optical properties of discotic liquid crystals with various core structures. , 0, , .		0
583	Electrical and optical properties of conducting polymer in liquids. , 0, , .		0
584	Pinning Effect of Mixed Cellulose Ester Membrane on Appearance of Cholesteric Blue Phases. Applied Physics Express, 0, 2, 021502.	2.4	8
585	Electric Field Tuning of Plasmonic Absorption of Metallic Grating with Twisted Nematic Liquid Crystal. Applied Physics Express, 0, 2, 086001.	2.4	14
586	Generation of coaxial vortex beams with doubled topological charges using a stacked liquid crystal structure. Japanese Journal of Applied Physics, 0, , .	1.5	3
587	Evaluation of hole mobility in non-peripherally alkyl-substituted tetrabenzotriazaporphyrin thin films by MIS-CELIV method. Molecular Crystals and Liquid Crystals, 0, , 1-10.	0.9	2