Masanori Ozaki

List of Publications by Year
in descending order

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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	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
2	Cooperative Emission inÏ€-Conjugated Polymer Thin Films. Physical Review Letters, 1997, 78, 729-732.	7.8	293
3	Planar optics with patterned chiral liquid crystals. Nature Photonics, 2016, 10, 389-392.	31.4	252
4	Nanoparticle-Stabilized Cholesteric Blue Phases. Applied Physics Express, 2009, 2, 121501.	2.4	230
5	Mirrorless Lasing in a Dye-Doped Ferroelectric Liquid Crystal. Advanced Materials, 2002, 14, 306-309.	21.0	190
6	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
7	Electroabsorption spectroscopy of luminescent and nonluminescent Ï€-conjugated polymers. Physical Review B, 1997, 56, 15712-15724.	3.2	178
8	Electric Field Tuning of the Stop Band in a Liquid-Crystal-Infiltrated Polymer Inverse Opal. Advanced Materials, 2002, 14, 514-518.	21.0	165
9	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. Carbon, 2007, 45, 1212-1218.	10.3	163
10	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
11	Flexible mirrorless laser based on a free-standing film of photopolymerized cholesteric liquid crystal. Applied Physics Letters, 2002, 81, 3741-3743.	3.3	150
12	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
13	Discontinuous Shift of Lasing Wavelength with Temperature in Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, L1523-L1525.	1.5	125
14	Mirrorless Lasing in Conducting Polymer poly(2,5-dioctyloxy- p-phenylenevinylene) Films. Japanese Journal of Applied Physics, 1996, 35, L1371-L1373.	1.5	124
15	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
16	Exciton Dynamics in soluble Poly(p-phenylene-vinylene): Towards an Ultrafast Excitonic Switch. Physical Review Letters, 1997, 78, 4285-4288.	7.8	114
17	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
18	Electro-Tunable Liquid-Crystal Laser. Advanced Materials, 2003, 15, 974-977.	21.0	113

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19	Solution Processable Organic Solar Cell Based on Bulk Heterojunction Utilizing Phthalocyanine Derivative. Applied Physics Express, 2010, 3, 101602.	2.4	111
20	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
21	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
22	Three-dimensional positioning and control of colloidal objects utilizing engineered liquid crystalline defect networks. Nature Communications, 2015, 6, 7180.	12.8	84
23	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
24	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
25	Nanoparticleâ€Dispersed Liquid Crystals Fabricated by Sputter Doping. Advanced Materials, 2010, 22, 622-626.	21.0	81
26	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
27	Tunable photonic defect modes in a cholesteric liquid crystal induced by optical deformation of helix. Physical Review E, 2004, 69, 061715.	2.1	77
28	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
29	The Optical Properties of Porous Opal Crystals Infiltrated with Organic Molecules. Japanese Journal of Applied Physics, 1997, 36, L714-L717.	1.5	73
30	Two-photon absorption spectra of luminescent conducting polymers. Synthetic Metals, 1997, 84, 549-550.	3.9	73
31	Twist-Defect-Mode Lasing in Photopolymerized Cholesteric Liquid Crystal. Japanese Journal of Applied Physics, 2003, 42, L472-L475.	1.5	72
32	Perylene derivative sensitized multi-walled carbon nanotube thin film. Carbon, 2005, 43, 2501-2507.	10.3	71
33	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
34	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. Applied Physics Letters, 2007, 90, 091114.	3.3	70
35	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
36	Electrically tunable waveguide laser based on ferroelectric liquid crystal. Applied Physics Letters, 2003, 82, 4026-4028.	3.3	66

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37	Tunable Lasing from a Cholesteric Liquid Crystal Film Embedded with a Liquid Crystal Nanopore Network. Advanced Materials, 2011, 23, 5498-5501.	21.0	66
38	Ferroelectric Liquid Crystal with Extremely Large Spontaneous Polarization. Japanese Journal of Applied Physics, 1984, 23, L175-L177.	1.5	64
39	Polychromatic Optical Vortex Generation from Patterned Cholesteric Liquid Crystals. Physical Review Letters, 2016, 116, 253903.	7.8	64
40	Synthesis of new ferroelectric liquid crystals and their novel ferroelectricity. Journal of the Chemical Society Chemical Communications, 1986, , 978.	2.0	60
41	Novel Ferroelectricity in Fluorinated Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1987, 26, L77-L78.	1.5	59
42	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
43	Double-twist cylinders in liquid crystalline cholesteric blue phases observed by transmission electron microscopy. Scientific Reports, 2015, 5, 16180.	3.3	59
44	MoO3 buffer layer effect on photovoltaic properties of interpenetrating heterojunction type organic solar cells. Thin Solid Films, 2009, 518, 522-525.	1.8	54
45	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
46	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
47	Dielectric properties of new stable ferroelectric liquid crystals with large spontaneous polarization. Journal of Chemical Physics, 1987, 86, 3648-3654.	3.0	51
48	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
49	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
50	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
51	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
52	Optical properties of disubstituted polyacetylene thin films. Synthetic Metals, 2001, 116, 95-99.	3.9	44
53	Enhancement of third-order optical nonlinearities by conjugated polymer-bonded carbon nanotubes. Journal of Applied Physics, 2005, 98, 034301.	2.5	44
54	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

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55	Dispersion of Resonant Raman Scattering inÏ€-Conjugated Polymers: Role of the Even Parity Excitons. Physical Review Letters, 1997, 79, 1762-1765.	7.8	43
56	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
57	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
58	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. Organic Electronics, 2012, 13, 335-340.	2.6	42
59	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
60	Synthesis and ferroelectric properties of new series of ferroelectric liquid crystals. Ferroelectrics, 1984, 58, 21-32.	0.6	40
61	Dielectric properties in antiferroelectric liquid crystals and their DC bias effects. Ferroelectrics, 1993, 147, 53-66.	0.6	40
62	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
63	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
64	Deformationâ€Free, Microsecond Electroâ€Optic Tuning of Liquid Crystals. Advanced Optical Materials, 2013, 1, 256-263.	7.3	40
65	Smectic Layer Rotation in Antiferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1994, 33, L1620-L1623.	1.5	39
66	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
67	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. Carbon, 2007, 45, 2445-2448.	10.3	38
68	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
69	Surface and flexoelectric polarization in a nematic liquid crystal 5CB. European Physical Journal E, 2001, 4, 183-192.	1.6	37
70	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
71	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
72	Exciton dynamics in disubstituted polyacetylenes. Synthetic Metals, 2001, 119, 597-598.	3.9	36

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73	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
74	Anomalous Dielectric Behaviour in Biphenyl Ester Series of Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1986, 25, L833-L835.	1.5	35
75	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
76	Smectic Layer Rotation in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1995, 34, L1599-L1602.	1.5	35
77	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. Applied Physics Letters, 2012, 101, .	3.3	34
78	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
79	Magnitude and direction of the spontaneous polarization of ferroelectric liquid crystals with several bond moments. Liquid Crystals, 1989, 5, 1203-1211.	2.2	33
80	Ferroelectric liquid crystals with large spontaneous polarization and high speed display devices. Ferroelectrics, 1989, 91, 267-276.	0.6	33
81	Cholesteric liquid crystal laser in a dielectric mirror cavity upon band-edge excitation. Optics Express, 2007, 15, 616.	3.4	33
82	Improved electrical and optical properties of Poly(3,4-ethylenedioxythiophene) via ordered microstructure. Journal of Physics Condensed Matter, 2007, 19, 186220.	1.8	33
83	Photonic crystals based on chiral liquid crystal. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3777-3789.	1.8	33
84	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
85	Static and dynamic properties of optical second harmonic generation in ferroelectric liquid crystal. Ferroelectrics, 1991, 121, 259-274.	0.6	32
86	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
87	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
88	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
89	Tunable Liquid Crystal Laser Using Distributed Feedback Cavity Fabricated by Nanoimprint Lithography. Applied Physics Express, 2008, 1, 012003.	2.4	32
90	Physicochemical Properties of Tri-n-butylalkylphosphonium Cation-Based Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2013, 117, 15051-15059.	2.6	32

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91	Optical properties of substituted phthalocyanine rare-earth metal complexes. Journal of Applied Physics, 2000, 88, 7137-7143.	2.5	31
92	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
93	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
94	Novel properties of conducting polymers containing azobenzene moieties in side chain. Synthetic Metals, 2001, 119, 599-600.	3.9	29
95	Defect Mode in Cholesteric Liquid Crystal Consisting of Two Helicoidal Periodicities. Japanese Journal of Applied Physics, 2006, 45, 493-496.	1.5	29
96	Improved Lasing Threshold of Cholesteric Liquid Crystal Lasers with In-Plane Helix Alignment. Applied Physics Express, 2010, 3, 102702.	2.4	29
97	Circularly-polarized, large-angle reflective deflectors based on periodically patterned cholesteric liquid crystals. Optical Data Processing and Storage, 2017, 3, .	3.3	29
98	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
99	Unidirectional Layer Alignment in Ferroelectric Liquid Crystal withN*-C*Phase Sequence. Japanese Journal of Applied Physics, 1994, 33, 5491-5493.	1.5	28
100	Organic Electronic Devices Based on Polymeric Material and Tunable Photonic Crystal. Japanese Journal of Applied Physics, 2007, 46, 5655.	1.5	28
101	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
102	Picosecond photophysics of luminescent conducting polymers from excitons to polaron pairs. Synthetic Metals, 1997, 84, 493-496.	3.9	27
103	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
104	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
105	Optical tuning and switching of photonic defect modes in cholestericliquid crystals. Applied Physics Letters, 2007, 90, 071107.	3.3	27
106	Fabrication of oriented ZnO nanopillar self-assemblies and their application for photovoltaic devices. Nanotechnology, 2008, 19, 435706.	2.6	27
107	Highly Fluorescent Liquid Crystals from Excitedâ€State Intramolecular Proton Transfer Molecules. Advanced Optical Materials, 2019, 7, 1801349.	7.3	27
108	Fast Optical Switching in Polymer Waveguide Using Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1990, 29, L843-L845.	1.5	26

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109	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
110	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
111	Optical and dielectric properties of antiferroelectric liquid crystals and their surface effects. Liquid Crystals, 1993, 14, 1283-1293.	2.2	25
112	Photovoltaic Properties in Interpenetrating Heterojunction Organic Solar Cells Utilizing MoO3 and ZnO Charge Transport Buffer Layers. Materials, 2010, 3, 4915-4921.	2.9	25
113	Reversible smectic layer rotation by electric field in antiferroelectric liquid crystals. Ferroelectrics, 1996, 178, 277-285.	0.6	24
114	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
115	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
116	Orientation control of ideal blue phase photonic crystals. Scientific Reports, 2020, 10, 10148.	3.3	24
117	Electrical Transport and Breakdown of Poly-p-Phenylenesulfide. Japanese Journal of Applied Physics, 1983, 22, 1510-1514.	1.5	23
118	Thickness and temperature dependences of dielectric property and electro-optic effect in ferroelectric liquid crystal. Ferroelectrics, 1984, 58, 283-304.	0.6	23
119	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
120	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
121	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
122	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
123	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. Optics Letters, 2011, 36, 3578.	3.3	23
124	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. Physical Review E, 2014, 89, 062505.	2.1	23
125	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
126	Orientation of liquid crystalline blue phases on unidirectionally orienting surfaces. Journal Physics D: Applied Physics, 2018, 51, 104003.	2.8	23

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127	Dynamic Response of Second Harmonic Generation in Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1989, 28, L1830-L1832.	1.5	22
128	Pentacene:Fullerene Multilayer-Heterojunction Organic Photovoltaic Cells Fabricated by Alternating Evaporation Method. Japanese Journal of Applied Physics, 2010, 49, 032301.	1.5	22
129	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
130	Octahexyltetrabenzotriazaporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. Chemistry Letters, 2014, 43, 1761-1763.	1.3	22
131	Circularly-polarized, semitransparent and double-sided holograms based on helical photonic structures. Scientific Reports, 2017, 7, 16470.	3.3	22
132	DC-Bias-Field-Induced Dielectric Relaxation in Antiferroelectric Phase of TFMHPOBC. Japanese Journal of Applied Physics, 1993, 32, L1432-L1435.	1.5	21
133	Unique Electrical and Optical Properties of Conducting Polymeric Liquid Crystal. Japanese Journal of Applied Physics, 1993, 32, L1673-L1676.	1.5	21
134	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
135	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
136	Electrooptic Effect in Homeotropically Aligned Ferroelectric Liquid Crystal. Japanese Journal of Applied Physics, 1991, 30, 2366-2368.	1.5	20
137	Molecular reorientation and deformation of a freely suspended ferroelectric liquid crystal film. Applied Physics Letters, 1999, 74, 117-119.	3.3	20
138	Fabrication of organic photovoltaic cells with double-layer ZnO structure. Solar Energy Materials and Solar Cells, 2009, 93, 1562-1567.	6.2	20
139	Carrier mobility of a columnar mesophase formed by a perfluoroalkylated triphenylene. Synthetic Metals, 2009, 159, 875-879.	3.9	20
140	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. Journal of Crystal Growth, 2016, 445, 9-14.	1.5	20
141	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
142	Electrically Switchable Amplified Spontaneous Emission from Liquid Crystalline Phase of an AIEEâ€Active ESIPT Molecule. Advanced Optical Materials, 2020, 8, 1902158.	7.3	20
143	New series of ferroelectric liquid crystals with large spontaneous polarization and dielectric constant. Journal of Chemical Physics, 1986, 85, 585-590.	3.0	19
144	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

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145	Static and Dynamic Characteristics of Field Induced Antiferroelectric-Ferroelectric Phase Transition. Molecular Crystals and Liquid Crystals, 1995, 263, 13-26.	0.3	19
146	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
147	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
148	Dual ring laser emission of conducting polymers in microcapillary structures. Applied Physics Letters, 2005, 86, 141903.	3.3	19
149	Broadband optical vortex generation from patterned cholesteric liquid crystals. Molecular Crystals and Liquid Crystals, 2017, 646, 116-124.	0.9	19
150	Directed self-assembly of soft 3D photonic crystals for holograms with omnidirectional circular-polarization selectivity. Communications Materials, 2021, 2, .	6.9	19
151	Emission Directionâ€Tunable Liquid Crystal Laser. Advanced Optical Materials, 2020, 8, 2000375.	7.3	19
152	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
153	Pressure Studies on Anomalous Dielectric Behavior in Ferroelectric Liquid Crystals. Japanese Journal of Applied Physics, 1987, 26, L1927-L1929.	1.5	18
154	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
155	Electrical Properties of Discotic Liquid Crystal Hexahexyloxytriphenylene. Japanese Journal of Applied Physics, 1997, 36, 5183-5186.	1.5	18
156	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
157	Electromechanical effect in freely suspended liquid crystal films. Applied Physics Letters, 1999, 75, 64-66.	3.3	18
158	Electrical Properties of a Periodic Porous Carbon Replica of Opal. Japanese Journal of Applied Physics, 1999, 38, 4926-4929.	1.5	18
159	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
160	Effect of introducing multiple chiral defects on the optical properties of cholesteric liquid crystals. Thin Solid Films, 2006, 509, 197-201.	1.8	18
161	Phase-dependence of gold nanoparticle dispersibility in blue phase and chiral nematic liquid crystals. Optical Materials Express, 2013, 3, 842.	3.0	18
162	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. Applied Physics Express, 2013, 6, 122301.	2.4	18

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163	Nematic liquid crystal nanocomposite with scattering-free, microsecond electro-optic response. Optical Materials Express, 2014, 4, 916.	3.0	18
164	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
165	Bragg reflection band width and optical rotatory dispersion of cubic blue-phase liquid crystals. Physical Review E, 2016, 94, 042703.	2.1	18
166	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
167	Optical properties of selective diffraction from Bragg-Berry cholesteric liquid crystal deflectors. OSA Continuum, 2019, 2, 3554.	1.8	18
168	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
169	Secondary electro-optic effect in liquid crystalline cholesteric blue phases. Optical Materials Express, 2014, 4, 960.	3.0	17
170	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
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