

Akihiko Fujii

List of Publications by Year in descending order

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268
papers

4,615
citations

125106

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270
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270
docs citations

270
times ranked

4560
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness control and photovoltaic properties of CH ₃ NH ₃ PbI ₃ bar-coated thin film. Japanese Journal of Applied Physics, 2022, 61, SB1032.	0.8	7
2	Orientation Control of 2D Perovskite in 2D/3D Heterostructure by Templated Growth on 3D Perovskite. , 2022, 4, 378-384.		15
3	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.	1.5	0
4	Dynamics of Preaggregation and Film Formation of Donor–Acceptor π -Conjugated Polymers. , 2022, 4, 205-211.		6
5	Molecular orientation and electrical properties in <i>tert</i> -butylated phthalocyanine thin film fabricated by uniaxial solution coating. Electronics and Communications in Japan, 2021, 104, 113-119.	0.3	1
6	The liquid crystal Click procedure for oligothiophene-tethered phthalocyanines – self-assembly, alignment and photocurrent. Journal of Materials Chemistry C, 2021, 9, 5689-5698.	2.7	11
7	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.	0.8	4
8	Effects of thermal expansion and degeneracy on ambipolar carrier mobility of non-peripherally hexyl-substituted phthalocyanine. Applied Physics Express, 2021, 14, 041001.	1.1	0
9	Direction-Selectable Ultra-Highly Oriented State of Donor–Acceptor Conjugated Polymer Induced by Slow Bar Coating Process. Advanced Electronic Materials, 2021, 7, 2100313.	2.6	10
10	Mesoporous TiO ₂ electron transport layer engineering for efficient inorganic-organic hybrid perovskite solar cells using hydrochloric acid treatment. Thin Solid Films, 2021, 732, 138768.	0.8	10
11	Coating speed dependence of main chain orientation and aggregation of PBTTC-16 in the bar-coated thin film. Japanese Journal of Applied Physics, 2020, 59, SDDA04.	0.8	6
12	Solution processed uniaxially oriented thin film of <i>tert</i> -butyl-substituted phthalocyanine. Japanese Journal of Applied Physics, 2020, 59, SDDA05.	0.8	4
13	Stereoregularity effect on hole mobility in poly(<i>N</i> -vinylcarbazole) thin film evaluated by MIS-CELIV method. Japanese Journal of Applied Physics, 2020, 59, SDDA01.	0.8	11
14	Carrier transport study on triphenylamine-thienothiophene-based hole transport material by MIS-CELIV method. Japanese Journal of Applied Physics, 2020, 59, SGGG01.	0.8	4
15	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.	1.4	4
16	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.	1.6	29
17	Highly (100)-oriented CH ₃ NH ₃ PbI ₃ thin film fabricated by bar-coating method and its additive effect of ammonium chloride. Solar Energy Materials and Solar Cells, 2020, 208, 110409.	3.0	12
18	A study on solution-processable tetrabenzomonoazaporphyrin hole transport material for perovskite solar cells. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 015007.	0.7	1

#	ARTICLE	IF	CITATIONS
19	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.	0.8	7
20	Molecular Orientation and Electrical Properties in <i>tert</i> -Butylated Phthalocyanine Thin Film Fabricated by Uniaxial Solution Coating. IEEE Transactions on Electronics, Information and Systems, 2020, 140, 1182-1188.	0.1	0
21	Highly efficient perovskite solar cell utilizing a solution-processable tetrabenzoporphyrin hole transport material with p-type dopants. Applied Physics Express, 2019, 12, 112009.	1.1	2
22	Uniaxial orientation of poly(3-hexylthiophene) thin films fabricated by the bar-coating method. Japanese Journal of Applied Physics, 2019, 58, SBBG04.	0.8	11
23	Homo/hetero-epitaxial growth in tetrabenzotriazaporphyrin derivative thin film fabricated by contact freezing method with seed crystal. Applied Physics Express, 2019, 12, 051011.	1.1	1
24	Triphenylamine- π -Thienothiophene Organic Charge Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. Chemistry - an Asian Journal, 2018, 13, 1302-1311.	1.7	24
25	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.	0.8	11
26	Sandwich-cell-type bulk-heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 03EJ03.	0.8	7
27	Ambipolar carrier transport properties and molecular packing structure of octahexyl-substituted copper phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 04FL01.	0.8	4
28	Polymer blend effect on molecular alignment induced by contact freezing of mesogenic phthalocyanine. Japanese Journal of Applied Physics, 2018, 57, 04FL09.	0.8	3
29	Homeotropic alignment of non-peripheral octahexyl phthalocyanine in thin film and its photovoltaic properties. Japanese Journal of Applied Physics, 2018, 57, 08RE02.	0.8	4
30	Carrier transport and device applications of the organic semiconductor based on liquid crystalline non-peripheral octaalkyl phthalocyanine. Liquid Crystals, 2018, 45, 2376-2389.	0.9	20
31	Single-crystalline thin-film growth via solution-mediated polymorphic transformation of octahexyl-substituted phthalocyanine and its optical anisotropy. Organic Electronics, 2018, 60, 16-21.	1.4	6
32	Selective crystal growth in bar-coating process of polymorphic pentyl-substituted phthalocyanine thin film. Organic Electronics, 2018, 62, 241-247.	1.4	6
33	Evaluation of ambipolar carrier mobility in alkyl-substituted phthalocyanine thin film. Journal of Photonics for Energy, 2018, 8, 1.	0.8	5
34	Three-dimensional X-ray Crystal Structure Analysis of Solution-processed Oriented Thin Film utilizing Liquid-crystalline Phthalocyanine. , 2018, , .		1
35	Efficiency enhancement in perovskite solar cell utilizing solution-processable phthalocyanine hole transport layer with thermal annealing. Organic Electronics, 2017, 43, 156-161.	1.4	39
36	Study on degradation mechanism of perovskite solar cell and their recovering effects by introducing CH ₃ NH ₃ I layers. Organic Electronics, 2017, 43, 229-234.	1.4	38

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37	Miscibility and carrier transport properties in binary blend system of non-peripherally octa-hexyl-substituted phthalocyanine analogues. <i>Organic Electronics</i> , 2017, 44, 67-73.	1.4	10
38	Glass-sandwich-type organic solar cells utilizing liquid crystalline phthalocyanine. <i>Applied Physics Express</i> , 2017, 10, 021602.	1.1	8
39	Liquid crystalline composites toward organic photovoltaic application (Conference Presentation). , 2017, , .		0
40	Single crystal preparation and x-ray structure analysis of non-peripherally alkyl-substituted phthalocyanine blends. <i>Journal of Crystal Growth</i> , 2017, 468, 810-815.	0.7	5
41	Selective crystal growth of polymorphs and crystal-to-crystal thermal phase transition of non-peripherally alkyl-substituted phthalocyanine and tetrabenzotriazaporphyrin. <i>Journal of Crystal Growth</i> , 2017, 468, 804-809.	0.7	13
42	Characterization of crystal polymorphs of the organic semiconductor non-peripheral octa-hexyl phthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 081601.	0.8	8
43	Improved synthesis of non-peripherally alkyl-substituted tetrabenzotriazaporphyrins. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 22-26.	0.4	9
44	Bulk-Heterojunction Thin-Film Solar Cells Utilizing Miscible Binary Donor Materials of Liquid Crystalline Phthalocyanine and its Analogue. <i>Journal of Physics: Conference Series</i> , 2017, 924, 012003.	0.3	1
45	Uniaxial crystal growth in thin film by utilizing supercooled state of mesogenic phthalocyanine. <i>Applied Physics Express</i> , 2016, 9, 061601.	1.1	6
46	Ambipolar Carrier Mobility in Binary Blend Thin Film of Non-Peripheral Alkylphthalocyanines. <i>Journal of Physics: Conference Series</i> , 2016, 704, 012006.	0.3	9
47	Fabrication of tandem solar cells with all-solution processed multilayer structure using non-peripherally substituted octahexyl tetrabenzotriazaporphyrins. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DB01.	0.8	7
48	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. <i>Journal of Crystal Growth</i> , 2016, 445, 9-14.	0.7	20
49	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. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	13
50	Molecular Packing Structure of Mesogenic Octa-Hexyl Substituted Phthalocyanine Thin Film by X-ray Diffraction Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3318-3321.	0.9	16
51	Single crystal growth in spin-coated films of polymorphic phthalocyanine derivative under solvent vapor. <i>APL Materials</i> , 2015, 3, .	2.2	9
52	Polymer blend effects on fundamental properties of mesogenic phthalocyanine films fabricated by heated spin-coating method. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DK08.	0.8	1
53	Effects of thermal-annealing and processing-additive treatment on crystallization-induced phase separation in organic solar cells utilizing octapentyl tetrabenzotriazaporphyrins. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 385103.	1.3	2
54	Macroscopically aligned molecular stacking structures in mesogenic phthalocyanine derivative films fabricated by heated spin-coating method. <i>Thin Solid Films</i> , 2015, 594, 1-4.	0.8	8

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55	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.	0.8	1
56	Efficiency enhancement in solution processed small-molecule based organic solar cells utilizing various phthalocyanine-tetrabenzoporphyrin hybrid macrocycles. Organic Electronics, 2015, 23, 44-52.	1.4	23
57	Liquid crystalline and charge transport properties of novel non-peripherally octasubstituted perfluoroalkylated phthalocyanines. Journal of Materials Chemistry C, 2015, 3, 1757-1765.	2.7	18
58	Origin of the High Carrier Mobilities of Nonperipheral Octahexyl Substituted Phthalocyanine. Journal of Physical Chemistry C, 2015, 119, 23852-23858.	1.5	15
59	Thermal annealing effects on non-peripheral octahexylphthalocyanine doped polymer bulk heterojunction solar cells. Japanese Journal of Applied Physics, 2014, 53, 05FZ06.	0.8	0
60	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. Physical Review E, 2014, 89, 062505.	0.8	23
61	Blend ratio dependence of photovoltaic properties in octahexylphthalocyanine-based small molecule solar cell. Japanese Journal of Applied Physics, 2014, 53, 05FZ05.	0.8	4
62	Annealing effect in bulk heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. Japanese Journal of Applied Physics, 2014, 53, 05FZ02.	0.8	7
63	Miscibility in binary blends of non-peripheral alkylphthalocyanines and their application for bulk-heterojunction solar cells. Organic Electronics, 2014, 15, 1189-1196.	1.4	17
64	Active layer analysis of interpenetrating heterojunction organic thin-film solar cells by X-ray photoelectron spectroscopy. Thin Solid Films, 2014, 554, 222-225.	0.8	4
65	Monodomain planar alignment of 1,4,8,11,15,18,22,25-octahexylphthalocyanine by melt growth method. Thin Solid Films, 2014, 554, 99-101.	0.8	0
66	Octahexyltetrabenzotriazaporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. Chemistry Letters, 2014, 43, 1761-1763.	0.7	22
67	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.	1.4	47
68	Influences of dopant concentration in sol-gel derived AZO layer on the performance of P3HT:PCBM based inverted solar cell. Solar Energy Materials and Solar Cells, 2013, 111, 181-188.	3.0	89
69	Threshold improvement in uniformly lying helix cholesteric liquid crystal laser using auxiliary π -conjugated polymer active layer. Journal of Applied Physics, 2013, 113, .	1.1	6
70	Mechanism of Degradation and Improvement of Stability on Mesogenic-Phthalocyanine-Based Bulk Heterojunction Solar Cell. Japanese Journal of Applied Physics, 2013, 52, 012301.	0.8	12
71	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.	0.8	11
72	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. Applied Physics Express, 2013, 6, 122301.	1.1	18

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73	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.	0.8	7
74	High-Quality Planar Alignment of Discotic Liquid Crystals Using Oscillating Shear. Applied Physics Express, 2013, 6, 061702.	1.1	7
75	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
76	Uniaxial Alignment of π -Conjugated Polymer Films by Reciprocating Shearing Method. Transactions of the Materials Research Society of Japan, 2013, 38, 503-506.	0.2	0
77	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based π -Conjugated Polymer Films Fabricated by Capillary Action. Japanese Journal of Applied Physics, 2012, 51, 02BK11.	0.8	3
78	Influences of aluminum concentration to the characteristics of ZnO electron transport layer and its hybrid polymer solar cell. , 2012, , .		0
79	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. Applied Physics Letters, 2012, 101, .	1.5	34
80	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.	0.8	6
81	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.	1.1	4
82	Fast and Continuous Tunable Lasing from a Nano-Pore Embedded Cholesteric Liquid Crystal Film. Molecular Crystals and Liquid Crystals, 2012, 560, 101-107.	0.4	4
83	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.	0.4	8
84	Distributed feedback grating fabricated from hybrid polymer precursor gel by employing short-pulse laser interference for photopumped polymer laser applications. Polymers for Advanced Technologies, 2012, 23, 1264-1270.	1.6	5
85	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. Organic Electronics, 2012, 13, 335-340.	1.4	42
86	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
87	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.	0.8	8
88	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.	0.1	1
89	Thermal Annealing Effects on Optical Anisotropy of Aligned Thiophene-Based π -Conjugated Polymer Films Fabricated by Capillary Action. Japanese Journal of Applied Physics, 2012, 51, 02BK11.	0.8	0
90	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.	0.4	11

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91	Slope Efficiency Improvement in Mode-Hop Driven Tunable Single-Mode Cholesteric Liquid Crystal Laser. Japanese Journal of Applied Physics, 2011, 50, 072702.	0.8	1
92	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. Optics Letters, 2011, 36, 3578.	1.7	23
93	Slope efficiency characteristics of mode-hop driven tunable single-mode cholesteric liquid crystal laser., 2011, , .		0
94	Bulk heterojunction organic solar cells utilizing 1,4,8,11,15,18,22,25-octaethylphthalocyanine. Solar Energy Materials and Solar Cells, 2011, 95, 3087-3092.	3.0	33
95	Tunable Lasing from a Cholesteric Liquid Crystal Film Embedded with a Liquid Crystal Nanopore Network. Advanced Materials, 2011, 23, 5498-5501.	11.1	66
96	Solution Flow Assisted Fabrication Method of Oriented π -Conjugated Polymer Films by Using Geometrically-Asymmetric Sandwich Structures. Japanese Journal of Applied Physics, 2011, 50, 020205.	0.8	8
97	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].	0.4	2
98	High Carrier Mobility up to $1.4 \text{ cm}^2/\text{V}\cdot\text{s}$ in Non-Peripheral Octaethyl Phthalocyanine. Applied Physics Express, 2011, 4, 021604.	1.1	95
99	Anisotropic Properties of Aligned π -Conjugated Polymer Films Fabricated by Capillary Action and Their Post-Annealing Effects. Applied Physics Express, 2011, 4, 091602.	1.1	15
100	Solution Flow Assisted Fabrication Method of Oriented π -Conjugated Polymer Films by Using Geometrically-Asymmetric Sandwich Structures. Japanese Journal of Applied Physics, 2011, 50, 020205.	0.8	5
101	Slope Efficiency Improvement in Mode-Hop Driven Tunable Single-Mode Cholesteric Liquid Crystal Laser. Japanese Journal of Applied Physics, 2011, 50, 072702.	0.8	2
102	Dispersion of Nanoparticles in Liquid Crystals by Sputtering and Its Effect on the Electrooptic Properties. IEICE Transactions on Electronics, 2010, E93-C, 1595-1601.	0.3	1
103	Nanoparticle-Dispersed Liquid Crystals Fabricated by Sputter Doping. Advanced Materials, 2010, 22, 622-626.	11.1	81
104	Spectral modulation of microcapillary laser based on emissive π -conjugated polymers by poor solvent injection. Thin Solid Films, 2010, 519, 995-997.	0.8	2
105	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.	3.0	42
106	SURFACE PLASMON ENHANCED PHOTOLUMINESCENCE ON BIHARMONIC GRATING STRUCTURE. Journal of Nonlinear Optical Physics and Materials, 2010, 19, 571-581.	1.1	2
107	Charged Carrier Mobility Study in Colh Mesophase of Perfluoroalkylated Triphenylene Derivatives. Molecular Crystals and Liquid Crystals, 2010, 516, 246-252.	0.4	1
108	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.	0.4	2

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109	Photovoltaic Properties in Interpenetrating Heterojunction Organic Solar Cells Utilizing MoO ₃ and ZnO Charge Transport Buffer Layers. <i>Materials</i> , 2010, 3, 4915-4921.	1.3	25
110	Solvent Vapor Treatment Effects on Poly(3-hexylthiophene) Thin Films and its Application for Interpenetrating Heterojunction Organic Solar Cells. <i>Materials</i> , 2010, 3, 4939-4949.	1.3	7
111	Pentacene:Fullerene Multilayer-Heterojunction Organic Photovoltaic Cells Fabricated by Alternating Evaporation Method. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 032301.	0.8	22
112	Fabrication of ZnO Nanopillars and Their Application to Organic Photovoltaic Cells Based on Conducting Polymer and Fullerene. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 128003.	0.8	2
113	Finite-Difference Time-Domain Analysis of Polarization-Dependent Transmission in Cholesteric Blue Phase II. <i>Applied Physics Express</i> , 2010, 3, 032001.	1.1	9
114	Improved Lasing Threshold of Cholesteric Liquid Crystal Lasers with In-Plane Helix Alignment. <i>Applied Physics Express</i> , 2010, 3, 102702.	1.1	29
115	Electric Field Dependence of Lasing Wavelength in Cholesteric Liquid Crystal with an In-Plane Helix Alignment. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 182-189.	0.4	22
116	Laser Emission from a Photopolymerized Cholesteric Blue Phase II. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 197-201.	0.4	7
117	Fluorescence Enhancement of Conducting Polymer Coated on Biharmonic Metallic Grating. <i>Applied Physics Express</i> , 2010, 3, 041601.	1.1	3
118	Radial and Azimuthal Polarizer Using a One-Dimensional Photonic Crystal with a Patterned Liquid Crystal Defect Layer. <i>Applied Physics Express</i> , 2010, 3, 062002.	1.1	5
119	Carrier Mobility Behavior of Triphenylene Mesogen with a Hydrogen Bonding Amide Group. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 525, 97-103.	0.4	3
120	Alignment-to-polarization projection in dye-doped nematic liquid crystal microlasers. <i>Optics Express</i> , 2010, 18, 12562.	1.7	6
121	Organic Thin-Film Solar Cells Based on Donor-Acceptor Interpenetrating Nano-Interface. , 2010, , .		0
122	Anchoring Strength Characteristics of Micro-Grating Structures Fabricated by Direct Laser Writing. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 516, 26-31.	0.4	2
123	Solution Processable Organic Solar Cell Based on Bulk Heterojunction Utilizing Phthalocyanine Derivative. <i>Applied Physics Express</i> , 2010, 3, 101602.	1.1	111
124	Efficient organic photovoltaic tandem cells with poly (3-hexylthiophene): Fullerene active layers and transparent conductive oxide interlayer. , 2009, , .		0
125	Organic solar cells using few-walled carbon nanotubes electrode controlled by the balance between sheet resistance and the transparency. <i>Applied Physics Letters</i> , 2009, 94, 123302.	1.5	44
126	Heat treatment effect of field emission from carbon inverse opals. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 115414.	1.3	0

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127	Time-Resolved Photoluminescence Study and Microcapillary Laser of Blue-Emissive π -Conjugated Polymers Based on 9,10-Dihydrophenanthrene Unit. Japanese Journal of Applied Physics, 2009, 48, 082404.	0.8	2
128	Rapid Energy Transfer and Improved Performance of Organic Light-Emitting Diodes Using Composite Film Based on π -Conjugated Polymers. Japanese Journal of Applied Physics, 2009, 48, 101502.	0.8	1
129	Planar Alignment of Columnar Liquid Crystals in Microgroove Structures. Molecular Crystals and Liquid Crystals, 2009, 510, 126/[1260]-133/[1267].	0.4	7
130	Fabrication of organic photovoltaic cells with double-layer ZnO structure. Solar Energy Materials and Solar Cells, 2009, 93, 1562-1567.	3.0	20
131	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.	0.8	11
132	MoO ₃ buffer layer effect on photovoltaic properties of interpenetrating heterojunction type organic solar cells. Thin Solid Films, 2009, 518, 522-525.	0.8	54
133	Study on the bulk junction type organic solar cells with double zinc oxide layer. Thin Solid Films, 2009, 518, 786-790.	0.8	3
134	Carrier mobility of a columnar mesophase formed by a perfluoroalkylated triphenylene. Synthetic Metals, 2009, 159, 875-879.	2.1	20
135	Optical and electrical anisotropies of polydiacetylene derivative film aligned by shear stress. Synthetic Metals, 2009, 159, 871-874.	2.1	8
136	Optical and electrical properties and photoexcited laser oscillation of composite film based on π -conjugated polymers. Synthetic Metals, 2009, 159, 935-938.	2.1	6
137	Effect of Mixed Cellulose Ester Membrane Structure on Appearance of Cholesteric Blue Phases. Molecular Crystals and Liquid Crystals, 2009, 512, 136/[1982]-142/[1988].	0.4	3
138	Position sensitive, continuous wavelength tunable laser based on photopolymerizable cholesteric liquid crystals with an in-plane helix alignment. Applied Physics Letters, 2009, 94, 093306.	1.5	36
139	Nanoparticle-Stabilized Cholesteric Blue Phases. Applied Physics Express, 2009, 2, 121501.	1.1	230
140	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
141	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
142	Optical manipulation of photonic defect-modes in cholesteric liquid crystals induced by direct laser-lithography. Thin Solid Films, 2008, 516, 2358-2362.	0.8	11
143	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.	0.8	2
144	Photonic Band-Gap Modeling of Cholesteric Liquid Crystals with Periodic Pitch Modulations. Molecular Crystals and Liquid Crystals, 2008, 480, 231-240.	0.4	4

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145	In-plane pitch control of cholesteric liquid crystals by formation of artificial domains via patterned photopolymerization. <i>Optics Express</i> , 2008, 16, 19034.	1.7	10
146	Optical Properties of Cholesteric Liquid Crystals with Functional Structural Defects. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 489, 73/[399]-83/[409].	0.4	2
147	Lasing Characteristics of Ferroelectric Liquid Crystal in Dielectric Mirror Cavity. <i>Ferroelectrics</i> , 2008, 364, 60-65.	0.3	0
148	Fabrication of oriented ZnO nanopillar self-assemblies and their application for photovoltaic devices. <i>Nanotechnology</i> , 2008, 19, 435706.	1.3	27
149	Efficiency Enhancement in Organic Photovoltaic Cell with Interpenetrating Conducting Polymer/C60Heterojunction Structure by Substrate-Heating Treatment. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1094-1097.	0.8	14
150	Optical Properties and Microcapillary Laser of Blue-Emissive π -Conjugated Polymers Based on 9,10-Dihydrophenanthrene Unit. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 4724-4727.	0.8	2
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