

Akihiko Fujii

List of Publications by Year in descending order

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papers

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citations

109321

35
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155660

55
g-index

270
all docs

270
docs citations

270
times ranked

3968
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle-Stabilized Cholesteric Blue Phases. Applied Physics Express, 2009, 2, 121501.	2.4	230
2	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. Carbon, 2007, 45, 1212-1218.	10.3	163
3	Fabrication and characteristics of 8-hydroxyquinoline aluminum/aromatic diamine organic multiple quantum well and its use for electroluminescent diode. Applied Physics Letters, 1993, 62, 3250-3252.	3.3	114
4	Polydiacetylene Nanofibers Created in Low-Molecular-Weight Gels by Post Modification: Control of Blue and Red Phases by the Odd-Even Effect in Alkyl Chains. Journal of the American Chemical Society, 2007, 129, 4134-4135.	13.7	114
5	Solution Processable Organic Solar Cell Based on Bulk Heterojunction Utilizing Phthalocyanine Derivative. Applied Physics Express, 2010, 3, 101602.	2.4	111
6	High Carrier Mobility up to $1.4 \text{ cm}^2/\text{V}\cdot\text{s}$ in Non-Peripheral Octahexyl Phthalocyanine. Applied Physics Express, 2011, 4, 021604.	2.4	95
7	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.	6.2	89
8	Observation of spectral narrowing and emission energy shift in organic electroluminescent diode utilizing 8-hydroxyquinoline aluminum/aromatic diamine multilayer structure. Applied Physics Letters, 1993, 63, 1871-1873.	3.3	86
9	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
10	Nanoparticle-Dispersed Liquid Crystals Fabricated by Sputter Doping. Advanced Materials, 2010, 22, 622-626.	21.0	81
11	Ultraviolet Electroluminescent Diode Utilizing Poly(methylphenylsilane). Japanese Journal of Applied Physics, 1995, 34, L1365-L1367.	1.5	80
12	Three-layered multicolor organic electroluminescent device. Applied Physics Letters, 1996, 69, 734-736.	3.3	78
13	Organogels of 8-Quinolinol/Metal(II)-Chelate Derivatives That Show Electron- and Light-Emitting Properties. Chemistry - A European Journal, 2007, 13, 4155-4162.	3.3	76
14	Perylene derivative sensitized multi-walled carbon nanotube thin film. Carbon, 2005, 43, 2501-2507.	10.3	71
15	Low-threshold and high efficiency lasing upon band-edge excitation in a cholesteric liquid crystal. Applied Physics Letters, 2007, 90, 091114.	3.3	70
16	Microlasers and Micro-LEDs from Disubstituted Polyacetylene. Advanced Materials, 1998, 10, 869-872.	21.0	67
17	Tunable Lasing from a Cholesteric Liquid Crystal Film Embedded with a Liquid Crystal Nanopore Network. Advanced Materials, 2011, 23, 5498-5501.	21.0	66
18	Effect of ZnO layer on characteristics of conducting polymer/C60 photovoltaic cell. Journal Physics D: Applied Physics, 2004, 37, 847-850.	2.8	65

#	ARTICLE	IF	CITATIONS
19	MoO ₃ buffer layer effect on photovoltaic properties of interpenetrating heterojunction type organic solar cells. <i>Thin Solid Films</i> , 2009, 518, 522-525.	1.8	54
20	Novel Efficient Blue Fluorescent Polymers Comprising Alternating Phenylene Pyridine Repeat Units: Their Syntheses, Characterization, and Optical Properties. <i>Macromolecules</i> , 2001, 34, 6895-6903.	4.8	49
21	Effects of processing additives on nanoscale phase separation, crystallization and photovoltaic performance of solar cells based on mesogenic phthalocyanine. <i>Organic Electronics</i> , 2013, 14, 2628-2634.	2.6	47
22	Enhancement of Emission Efficiency in Electroluminescent Diode Utilizing Vapor-Deposited Poly(alkylfluorene). <i>Japanese Journal of Applied Physics</i> , 1993, 32, L1663-L1666.	1.5	46
23	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.	3.3	44
24	Polarity-Dependent Multicolor Organic Electroluminescent Device. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L397-L400.	1.5	43
25	Efficient organic photovoltaic tandem cells with novel transparent conductive oxide interlayer and poly (3-hexylthiophene): Fullerene active layers. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 376-380.	6.2	42
26	Non-peripheral octahexylphthalocyanine doping effects in bulk heterojunction polymer solar cells. <i>Organic Electronics</i> , 2012, 13, 335-340.	2.6	42
27	Two-Band Electroluminescent Emission in Organic Electroluminescent Diode with Phthalocyanine Film. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L37-L39.	1.5	41
28	Transient Properties of Organic Electroluminescent Diode Using 8-Hydroxyquinoline Aluminum Doped with Rubrene as an Electro-Optical Conversion Device for Polymeric Integrated Devices. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 2746-2748.	1.5	41
29	Optical and electrical characterizations of nanocomposite film of titania adsorbed onto oxidized multiwalled carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 4361-4368.	1.8	40
30	Electroluminescent Diodes Utilizing Polysilanes. <i>Japanese Journal of Applied Physics</i> , 1996, 35, 3914-3917.	1.5	39
31	Efficiency enhancement in perovskite solar cell utilizing solution-processable phthalocyanine hole transport layer with thermal annealing. <i>Organic Electronics</i> , 2017, 43, 156-161.	2.6	39
32	Synthesis of photoresponsive azobenzene chromophore-modified multi-walled carbon nanotubes. <i>Carbon</i> , 2007, 45, 2445-2448.	10.3	38
33	Study on degradation mechanism of perovskite solar cell and their recovering effects by introducing CH ₃ NH ₃ I layers. <i>Organic Electronics</i> , 2017, 43, 229-234.	2.6	38
34	Local liquid crystal alignment on patterned micrograting structures photofabricated by two photon excitation direct laser writing. <i>Applied Physics Letters</i> , 2008, 93, 173509.	3.3	37
35	Position sensitive, continuous wavelength tunable laser based on photopolymerizable cholesteric liquid crystals with an in-plane helix alignment. <i>Applied Physics Letters</i> , 2009, 94, 093306.	3.3	36
36	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	34

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37	Cholesteric liquid crystal laser in a dielectric mirror cavity upon band-edge excitation. <i>Optics Express</i> , 2007, 15, 616.	3.4	33
38	Improved electrical and optical properties of Poly(3,4-ethylenedioxythiophene) via ordered microstructure. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 186220.	1.8	33
39	Bulk heterojunction organic solar cells utilizing 1,4,8,11,15,18,22,25-octahexylphthalocyanine. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3087-3092.	6.2	33
40	Improvement of Characteristics of Organic Photovoltaic Devices Composed of Conducting Polymer-Fullerene Systems by Introduction of ZnO Layer. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L1475-L1477.	1.5	31
41	Bottom-Up Fabrication of Photonic Defect Structures in Cholesteric Liquid Crystals Based on Laser-Assisted Modification of the Helix. <i>Advanced Materials</i> , 2007, 19, 1187-1190.	21.0	30
42	Interpenetrating Interface in Organic Photovoltaic Cells with Heterojunction of Poly(3-hexylthiophene) and C60. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 5573-5576.	1.5	29
43	Improved Lasing Threshold of Cholesteric Liquid Crystal Lasers with In-Plane Helix Alignment. <i>Applied Physics Express</i> , 2010, 3, 102702.	2.4	29
44	Revealing the charge carrier kinetics in perovskite solar cells affected by mesoscopic structures and defect states from simple transient photovoltage measurements. <i>Scientific Reports</i> , 2020, 10, 19197.	3.3	29
45	Unique Electroluminescent Characteristics of Light-Emitting Diode Utilizing Poly(3-alkylthiophene) Containing Fluorescent Dye. <i>Japanese Journal of Applied Physics</i> , 1995, 34, L1237-L1240.	1.5	28
46	Organic Electronic Devices Based on Polymeric Material and Tunable Photonic Crystal. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5655.	1.5	28
47	Optical tuning and switching of photonic defect modes in cholesteric liquid crystals. <i>Applied Physics Letters</i> , 2007, 90, 071107.	3.3	27
48	Fabrication of oriented ZnO nanopillar self-assemblies and their application for photovoltaic devices. <i>Nanotechnology</i> , 2008, 19, 435706.	2.6	27
49	Tunable single photonic defect-mode in cholesteric liquid crystals with laser-induced local modifications of helix. <i>Applied Physics Letters</i> , 2006, 89, 231913.	3.3	26
50	Photoluminescence Quenching under Reverse Bias in Organic Multilayer Structure Utilizing 8-Hydroxyquinoline Aluminum and Aromatic Diamine. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L348-L350.	1.5	25
51	Color-Variable Electroluminescent Diode with Single Quantum Well Structure Utilizing 8-Hydroxyquinoline Aluminum and Aromatic Diamine. <i>Japanese Journal of Applied Physics</i> , 1995, 34, L499-L502.	1.5	25
52	Organic Photovoltaic Cell with Donor-Acceptor Double Heterojunctions. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L1438-L1441.	1.5	25
53	Photovoltaic Properties in Interpenetrating Heterojunction Organic Solar Cells Utilizing MoO ₃ and ZnO Charge Transport Buffer Layers. <i>Materials</i> , 2010, 3, 4915-4921.	2.9	25
54	Triphenylamine- π -Thienothiophene Organic Charge Transport Molecular Materials: Effect of Substitution Pattern on their Thermal, Photoelectrochemical, and Photovoltaic Properties. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1302-1311.	3.3	24

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55	Enhancement of Electroluminescence Intensity from Dye-Doped Poly(3-Alkylthiophene) Light Emitting Diode with Different Alkyl-Side-Chain Length. Japanese Journal of Applied Physics, 1996, 35, 4105-4109.	1.5	23
56	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
57	Polarization-independent refractive index tuning using gold nanoparticle-stabilized blue phase liquid crystals. Optics Letters, 2011, 36, 3578.	3.3	23
58	Tilt orientationally disordered hexagonal columnar phase of phthalocyanine discotic liquid crystals. Physical Review E, 2014, 89, 062505.	2.1	23
59	Efficiency enhancement in solution processed small-molecule based organic solar cells utilizing various phthalocyanine-tetrazabenzoporphyrin hybrid macrocycles. Organic Electronics, 2015, 23, 44-52.	2.6	23
60	Pentacene:Fullerene Multilayer-Heterojunction Organic Photovoltaic Cells Fabricated by Alternating Evaporation Method. Japanese Journal of Applied Physics, 2010, 49, 032301.	1.5	22
61	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
62	Octahexyltetrazabenzoporphyrin: A Discotic Liquid Crystalline Donor for High-performance Small-molecule Solar Cells. Chemistry Letters, 2014, 43, 1761-1763.	1.3	22
63	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
64	Nonlinear Emission from 8-Hydroxyquinoline Aluminum and Diamine Derivative Superlattice Structures Excited by Third-Harmonic-Generation from Nd:YAG Laser Light. Japanese Journal of Applied Physics, 1997, 36, L421-L424.	1.5	20
65	Fabrication of organic photovoltaic cells with double-layer ZnO structure. Solar Energy Materials and Solar Cells, 2009, 93, 1562-1567.	6.2	20
66	Carrier mobility of a columnar mesophase formed by a perfluoroalkylated triphenylene. Synthetic Metals, 2009, 159, 875-879.	3.9	20
67	Single crystal growth and X-ray structure analysis of non-peripheral octahexyl phthalocyanine. Journal of Crystal Growth, 2016, 445, 9-14.	1.5	20
68	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
69	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
70	Dual ring laser emission of conducting polymers in microcapillary structures. Applied Physics Letters, 2005, 86, 141903.	3.3	19
71	A 1,3-diacylglycerol-rich oil induces less atherosclerosis and lowers plasma cholesterol in diabetic apoE-deficient mice. Atherosclerosis, 2007, 193, 55-61.	0.8	19
72	Polymer Electroluminescent Diodes with Ring Microcavity Structure. Japanese Journal of Applied Physics, 1998, 37, L740-L742.	1.5	18

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73	Preparation, Optical Properties and Yellow Electroluminescence of Water-Soluble Poly(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overl	1.5	18
74	Organic electroluminescent diodes as a light source for polymeric waveguides " toward organic integrated optical devices. Thin Solid Films, 2001, 393, 267-272.	1.8	18
75	Alkyl Substituent Length Dependence of Octaalkylphthalocyanine Bulk Heterojunction Solar Cells. Applied Physics Express, 2013, 6, 122301.	2.4	18
76	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
77	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
78	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
79	Optical Properties and EL Characteristics of Poly[(disilanylene)oligophenylenes]. Japanese Journal of Applied Physics, 1997, 36, L368-L371.	1.5	16
80	Electronic Properties and Electroluminescence of Monosubstituted Polyacetylenes and Their Mixtures with Disubstituted Polyacetylene. Japanese Journal of Applied Physics, 1999, 38, 931-935.	1.5	16
81	Unidirectional Laser Emission from Spiral Microcavity Utilizing Conducting Polymer. Japanese Journal of Applied Physics, 2005, 44, L1091-L1093.	1.5	16
82	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
83	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
84	Polarization Anisotropy of Organic Electroluminescent Diode with Periodic Multilayer Structure Utilizing 8-Hydroxyquinoline Aluminum and Aromatic Diamine. Japanese Journal of Applied Physics, 1995, 34, L621-L624.	1.5	15
85	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
86	Enhancement of Photoresponse by Enlarging the Effective Interface between Conducting Polymer and Titanium Oxide in Photovoltaic Device. Japanese Journal of Applied Physics, 2004, 43, 3473-3478.	1.5	15
87	Fabrication of Interpenetrating Semilayered Structure of Conducting Polymer and Fullerene by Solvent Corrosion Method and Its Photovoltaic Properties. Japanese Journal of Applied Physics, 2005, 44, 4155-4160.	1.5	15
88	Anisotropic Properties of Aligned π -Conjugated Polymer Films Fabricated by Capillary Action and Their Post-Annealing Effects. Applied Physics Express, 2011, 4, 091602.	2.4	15
89	Origin of the High Carrier Mobilities of Nonperipheral Octahexyl Substituted Phthalocyanine. Journal of Physical Chemistry C, 2015, 119, 23852-23858.	3.1	15
90	Orientation Control of 2D Perovskite in 2D/3D Heterostructure by Templated Growth on 3D Perovskite. , 2022, 4, 378-384.		15

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91	Solvent Dependence of Interpenetrating Interface Formation in Organic Photovoltaic Cells with Heterojunction of Conducting Polymer and C60. Japanese Journal of Applied Physics, 2004, 43, 8312-8315.	1.5	14
92	Photoinduced anisotropic response of azobenzene chromophore functionalized multiwalled carbon nanotubes. Journal of Applied Physics, 2007, 102, 053102.	2.5	14
93	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
94	Electric Field Tuning of Plasmonic Absorption of Metallic Grating with Twisted Nematic Liquid Crystal. Applied Physics Express, 0, 2, 086001.	2.4	14
95	Organic electroluminescent device with R-G-B emission. Thin Solid Films, 1998, 331, 89-95.	1.8	13
96	Optical properties, spectral narrowing of photoluminescence and blue electroluminescence of poly(phenylene pyridine) derivatives. Applied Physics Letters, 2000, 77, 660-662.	3.3	13
97	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
98	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
99	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
100	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
101	Influences of Interchain Interaction on Exciton Dynamics in Poly(3-alkylthiophene). Japanese Journal of Applied Physics, 2001, 40, 7103-7109.	1.5	12
102	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
103	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
104	Control of Organic Interfaces with a Thin Film of Silicon Monoxide between 8-Hydroxyquinoline Aluminum and Diamine Layers in an Organic EL Diode. Japanese Journal of Applied Physics, 1997, 36, L1022-L1024.	1.5	11
105	Novel properties of molecularly doped conducting polymers and junction devices. Synthetic Metals, 1997, 84, 477-482.	3.9	11
106	Ultraviolet light responses in photovoltaic properties of TiO2 ⁺ -conducting polymer heterostructure devices. Applied Physics Letters, 2004, 85, 3139-3141.	3.3	11
107	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
108	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

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109	Optical manipulation of photonic defect-modes in cholesteric liquid crystals induced by direct laser-lithography. <i>Thin Solid Films</i> , 2008, 516, 2358-2362.	1.8	11
110	Effect of solvent vapor treatment on photovoltaic properties of conducting polymer/C60 interpenetrating heterojunction structured organic solar cell. <i>Thin Solid Films</i> , 2009, 518, 518-521.	1.8	11
111	A Possibility of 2-Dimensional Transport of Charged Carriers in Columnar Phases of Liquid Crystalline Semiconductors. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 549, 127-132.	0.9	11
112	Solvent Effects on Solution-Processable Bulk Heterojunction Organic Solar Cells Utilizing 1,4,8,11,15,18,22,25-Octahexylphthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DB02.	1.5	11
113	Fabrication of field-effect transistor utilizing oriented thin film of octahexyl-substituted phthalocyanine and its electrical anisotropy based on columnar structure. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EH10.	1.5	11
114	Uniaxial orientation of poly(3-hexylthiophene) thin films fabricated by the bar-coating method. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SBBG04.	1.5	11
115	Stereoregularity effect on hole mobility in poly(<i>N</i> -vinylcarbazole) thin film evaluated by MIS-CELIV method. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDA01.	1.5	11
116	The liquid crystal Click procedure for oligothiophene-tethered phthalocyanines – self-assembly, alignment and photocurrent. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5689-5698.	5.5	11
117	Photophysical properties of fullerene-conducting polymer system. <i>Synthetic Metals</i> , 1995, 70, 1317-1320.	3.9	10
118	Enhancement of electroluminescence efficiency in poly(3-alkylthiophene) by doping of dye molecules. <i>Synthetic Metals</i> , 1997, 85, 1241-1242.	3.9	10
119	Optical properties of conducting polymers in nano-scale periodic structure, microcavities and photonic crystals. <i>Microelectronic Engineering</i> , 1999, 47, 49-53.	2.4	10
120	Time-resolved optical and electrical study of second-order processes responsible for the formation of free polarons in conjugated polymers. <i>Physical Review B</i> , 2002, 66, .	3.2	10
121	Lasing of Poly(3-alkylthiophene) in Microcapillary Geometry. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L1056-L1058.	1.5	10
122	Fabrication and Unidirectional Laser Emission Properties of Asymmetric Microdisks Based on Poly(p-phenylenevinylene) Derivative. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L833-L836.	1.5	10
123	Lowering lasing threshold in ferroelectric liquid crystal sandwiched between dielectric multilayers. <i>Applied Physics Letters</i> , 2006, 89, 201112.	3.3	10
124	In-plane pitch control of cholesteric liquid crystals by formation of artificial domains via patterned photopolymerization. <i>Optics Express</i> , 2008, 16, 19034.	3.4	10
125	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.	2.6	10
126	Directional Selectable Ultra-Highly Oriented State of Donor-Acceptor Conjugated Polymer Induced by Slow Bar Coating Process. <i>Advanced Electronic Materials</i> , 2021, 7, 2100313.	5.1	10

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127	Mesoporous TiO ₂ electron transport layer engineering for efficient inorganic-organic hybrid perovskite solar cells using hydrochloric acid treatment. <i>Thin Solid Films</i> , 2021, 732, 138768.	1.8	10
128	Efficient Energy Transfer in Organic Multilayer Structure Utilizing 8-Hydroxyquinoline Aluminum and Aromatic Diamine. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L1236-L1238.	1.5	9
129	Novel tunable optical properties of liquid crystals, conjugated molecules and polymers in nanoscale periodic structures as photonic crystals. <i>Macromolecular Symposia</i> , 2004, 212, 179-190.	0.7	9
130	Fabrication of Organic Photovoltaic Cells with Interpenetrating Heterojunction of Conducting Polymer and C ₆₀ by Spray Method. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2792-2793.	1.5	9
131	Finite-Difference Time-Domain Analysis of Polarization-Dependent Transmission in Cholesteric Blue Phase II. <i>Applied Physics Express</i> , 2010, 3, 032001.	2.4	9
132	Single crystal growth in spin-coated films of polymorphic phthalocyanine derivative under solvent vapor. <i>APL Materials</i> , 2015, 3, .	5.1	9
133	Ambipolar Carrier Mobility in Binary Blend Thin Film of Non-Peripheral Alkylphthalocyanines. <i>Journal of Physics: Conference Series</i> , 2016, 704, 012006.	0.4	9
134	Improved synthesis of non-peripherally alkyl-substituted tetrabenzotriazaporphyrins. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 22-26.	0.9	9
135	Photopumped multimode blue laser emission from cylindrical microcavities of conducting polymers with heteroatoms in main chains. <i>Synthetic Metals</i> , 2005, 152, 209-212.	3.9	8
136	Highly efficient photovoltaic cells composed of interpenetrating conducting polymer/C ₆₀ heterojunction. <i>Synthetic Metals</i> , 2005, 152, 121-124.	3.9	8
137	Laser emission from spiral-shaped microdisc with waveguide of conducting polymer. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1669-1672.	2.8	8
138	Pinning Effect of Mixed Cellulose Ester Membrane on Appearance of Cholesteric Blue Phases. <i>Applied Physics Express</i> , 0, 2, 021502.	2.4	8
139	Optical and electrical anisotropies of polydiacetylene derivative film aligned by shear stress. <i>Synthetic Metals</i> , 2009, 159, 871-874.	3.9	8
140	Solution Flow Assisted Fabrication Method of Oriented π -Conjugated Polymer Films by Using Geometrically-Asymmetric Sandwich Structures. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 020205.	1.5	8
141	Tunable Terahertz Filter Using an Etalon with a Nematic Liquid Crystal Layer and its Response Speed. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 561, 82-88.	0.9	8
142	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.	1.8	8
143	Glass-sandwich-type organic solar cells utilizing liquid crystalline phthalocyanine. <i>Applied Physics Express</i> , 2017, 10, 021602.	2.4	8
144	Characterization of crystal polymorphs of the organic semiconductor non-peripheral octa-hexyl phthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 081601.	1.5	8

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145	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
146	Novel Characteristics of Electroluminescent Diode with Organic Multiple-Quantum-Well Structure. Japanese Journal of Applied Physics, 1995, 34, 3790-3793.	1.5	7
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