

# Takeshi Yasuda

## List of Publications by Year in descending order

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139  
papers

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citations

172457

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140  
docs citations

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5585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-bonded dimers of mono-alkylated diketopyrrolopyrroles and their physical properties. <i>Synthetic Metals</i> , 2022, 284, 117007.	3.9	1
2	Facile Synthesis of 1,7-Phenanthroline Derivatives and Evaluation of Their Properties as Hole-Blocking Materials in Organic Light-Emitting Diodes. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 458-465.	3.2	2
3	Origin of the material dependence of temperature coefficient of redox potential in conjugated polymers. <i>Applied Physics Express</i> , 2021, 14, 037001.	2.4	0
4	One-Pot Synthesis of Triazatriphenylene Using the Povarov Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 7920-7927.	3.2	14
5	Synthesis of Pyrrole-Based Poly(arylenevinylene)s via Co-Catalyzed Hydroarylation of Alkynes. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100283.	3.9	6
6	Synthesis of Azine-Based Conjugated Polymers by Metal-Free Dehydration Polycondensation and Characterization of Their Physical Properties. <i>Macromolecules</i> , 2021, 54, 11281-11288.	4.8	7
7	Operational Stability Enhancement of Polymeric Organic Field-Effect Transistors by Amorphous Perfluoropolymers Chemically Anchored to Gate Dielectric Surfaces. <i>Advanced Electronic Materials</i> , 2020, 6, 2000161.	5.1	17
8	Photovoltaic properties of planar organic solar cells using perylenetetracarboxylic diimide with phenylethyl derivatives. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDD01.	1.5	2
9	Synthesis and electrochromic behavior of a multi-electron redox-active N-heteroheptacenequinone. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7884-7890.	2.8	2
10	Polymer-Based Organic Field-Effect Transistors with Active Layers Aligned by Highly Hydrophobic Nanogrooved Surfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1905365.	14.9	16
11	Vibrational entropy as an indicator of temperature coefficient of redox potential in conjugated polymers. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 097004.	1.5	2
12	Synthesis of conjugated polymer consisting of three-component aromatic units via two-step cross-dehydrogenative-coupling reactions. <i>Synthetic Metals</i> , 2019, 254, 180-183.	3.9	8
13	Rapid discharge process of polythiophene cast film as cathode material. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 210-213.	3.8	2
14	Synthesis of conjugated polymers via direct C-H/C-Cl coupling reactions using a Pd/Cu binary catalytic system. <i>Polymer Chemistry</i> , 2019, 10, 2298-2304.	3.9	9
15	Synthesis of bithiazole-based semiconducting polymers via Cu-catalyzed aerobic oxidative coupling. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1306-1309.	5.9	22
16	Multi-molecular emission of a cationic Pt(II) complex through hydrogen bonding interactions. <i>Dalton Transactions</i> , 2018, 47, 4087-4092.	3.3	4
17	Perovskite Solar Cells Prepared by Advanced Three-Step Method Using Additional HC(NH <sub>2</sub> ) <sub>2</sub> Spin-Coating: Efficiency Improvement with Multiple Bandgap Structure. <i>ACS Applied Energy Materials</i> , 2018, 1, 1389-1394.	5.1	7
18	Synthesis of Conjugated Polymers Containing Octafluorobiphenylene Unit via Pd-Catalyzed Cross-Dehydrogenative-Coupling Reaction. <i>ACS Macro Letters</i> , 2018, 7, 90-94.	4.8	42

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19	Organic Light-Emitting Diodes Using Octafluorobiphenyl-Based Polymer Synthesized by Direct C <sup>1</sup> / <sub>4</sub> H/C <sup>1</sup> / <sub>4</sub> H Cross Coupling Reaction. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 323-327.	0.3	0
20	Influence of the alkyl chain lengths in perylenetetracarboxylic diimide (PTCDI) derivatives on the photovoltaic properties of planar organic solar cells. <i>Organic Electronics</i> , 2018, 62, 429-433.	2.6	8
21	Synthesis of Polyfluoro Arylene-Based Poly(arylenevinylene)s via Pd-Catalyzed Dehydrogenative Direct Alkenylation. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800414.	3.9	14
22	Facile Synthesis of Thienopyrroledione-Based $\pi$ -Conjugated Polymers via Direct Arylation Polycondensation under Aerobic Conditions. <i>Macromolecules</i> , 2018, 51, 6782-6788.	4.8	28
23	Spatially Uniform Thin-Film Formation of Polymeric Organic Semiconductors on Lyophobic Gate Insulator Surfaces by Self-Assisted Flow-Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6237-6245.	8.0	13
24	Facile one-pot access to $\pi$ -conjugated polymers via sequential bromination/direct arylation polycondensation. <i>Polymer Chemistry</i> , 2017, 8, 3006-3012.	3.9	13
25	Dual substitution at 4,9-positions of carbazole in donor- $\pi$ -acceptor copolymer enhances performance of bulk-heterojunction organic solar cells. <i>Polymer</i> , 2017, 108, 305-312.	3.8	5
26	Control over differentiation of a metastable supramolecular assembly in one and two dimensions. <i>Nature Chemistry</i> , 2017, 9, 493-499.	13.6	408
27	Homogeneous dewetting on large-scale microdroplet arrays for solution-processed electronics. <i>NPG Asia Materials</i> , 2017, 9, e409-e409.	7.9	31
28	Effects of neat C60 doping on the performance of bulk-heterojunction solar cells based on P3HT:PCBM. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 125-130.	0.9	3
29	Modulation of the Emission Mode of a Pt(II) Complex via Intermolecular Interactions. <i>Inorganic Chemistry</i> , 2017, 56, 8726-8729.	4.0	30
30	Direct arylation polycondensation for the synthesis of bithiazole-based conjugated polymers and their physical properties. <i>Polymer Journal</i> , 2017, 49, 123-131.	2.7	16
31	Organic Photovoltaics Based on Poly(3,4-phenylenedioxy-2,5-thienylenevinylene)s. <i>Electrochemistry</i> , 2017, 85, 241-244.	1.4	2
32	Carrier Formation Dynamics in Prototypical Organic Solar Cells as Investigated by Transient Absorption Spectroscopy. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-17.	2.5	6
33	Photovoltaic Properties of Bithiazole-Based Polymers Synthesized by Direct C-H Arylation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016, 29, 347-352.	0.3	4
34	Synthesis of n-type semiconducting polymer consisting of benzodipyrrolidone and thieno-[3,4c]-pyrrole-4,6-dione via C-H direct arylation. <i>Synthetic Metals</i> , 2016, 222, 383-387.	3.9	10
35	Field-effect transistors with vacuum-deposited organic-inorganic perovskite films as semiconductor channels. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	12
36	Suppression of Homocoupling Side Reactions in Direct Arylation Polycondensation for Producing High Performance OPV Materials. <i>Macromolecules</i> , 2016, 49, 9388-9395.	4.8	39

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37	Synthesis of pyrrole-based poly(arylenevinylene)s via Rh-catalyzed dehydrogenative direct alkenylation. <i>Polymer Chemistry</i> , 2016, 7, 2775-2779.	3.9	19
38	Synthesis and photovoltaic properties of donor-acceptor type narrow bandgap copolymers based on benzo[def]carbazole. <i>Synthetic Metals</i> , 2016, 220, 440-447.	3.9	5
39	Supramolecular Assemblies of Ferrocene-Hinged Naphthalenediimides: Multiple Conformational Changes in Film States. <i>Journal of the American Chemical Society</i> , 2016, 138, 11245-11253.	13.7	30
40	High-Resolution Electronics: Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet (Adv. Mater. 31/2016). <i>Advanced Materials</i> , 2016, 28, 6768-6768.	21.0	5
41	Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet. <i>Advanced Materials</i> , 2016, 28, 6568-6573.	21.0	60
42	PbBr-Based Layered Perovskite Organic-Inorganic Superlattice Having Carbazole Chromophore; Hole-Mobility and Quantum Mechanical Calculation. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3159-3167.	0.9	9
43	Synthesis of conjugated polymers possessing diketopyrrolopyrrole units bearing phenyl, pyridyl, and thiazolyl groups by direct arylation polycondensation: Effects of aromatic groups in DPP on physical properties. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2337-2345.	2.3	20
44	Synthesis of Poly(3-substituted thiophene)s of Remarkably High Solubility in Hydrocarbon via Nickel-Catalyzed Deprotonative Cross-Coupling Polycondensation. <i>Macromolecules</i> , 2016, 49, 1259-1269.	4.8	34
45	Effects of the Terminal Structure, Purity, and Molecular Weight of an Amorphous Conjugated Polymer on Its Photovoltaic Characteristics. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1752-1758.	8.0	65
46	Bulk Heterojunction Photovoltaic Cells with Triphenylamine-Based Amorphous Polymer and Non-Halogenated Solvent Processing Provide Reproducible Performance. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2015, 28, 373-376.	0.3	2
47	Manganese powder promoted highly efficient and selective synthesis of fullerene mono- and biscycloadducts at room temperature. <i>Scientific Reports</i> , 2015, 5, 13920.	3.3	7
48	Carrier density effect on recombination in PTB7-based solar cell. <i>Scientific Reports</i> , 2015, 5, 13648.	3.3	6
49	Temperature effects on carrier formation dynamics in organic heterojunction solar cell. <i>Applied Physics Letters</i> , 2015, 107, 133903.	3.3	2
50	Morphology of F8T2/PC71BM Blend Film as Investigated by Scanning Transmission X-ray Microscope (STXM). <i>Molecular Crystals and Liquid Crystals</i> , 2015, 620, 32-37.	0.9	0
51	Emission from Charge-Transfer States in Bulk Heterojunction Organic Photovoltaic Cells Based on Ethylenedioxythiophene-Fluorene Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 620, 107-111.	0.9	4
52	Spectroscopic Determination of Charge Formation Efficiency of Organic Photovoltaic Cells. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 620, 26-31.	0.9	0
53	Microwave-assisted polycondensation of 4-octylaniline with dibromoarylene. <i>Journal of Polymer Science Part A</i> , 2015, 53, 536-542.	2.3	3
54	Synthesis and photovoltaic properties of naphthobisthiadiazole-triphenylamine-based donor-acceptor $\pi$ -conjugated polymer. <i>Polymer</i> , 2015, 58, 139-145.	3.8	16

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55	Coassembly-Directed Fabrication of an Exfoliated Form of Alternating Multilayers Composed of a Self-assembled Organoplatinum(II) Complex-Fullerene Dyad. <i>Inorganic Chemistry</i> , 2015, 54, 11581-11583.	4.0	12
56	Improved power conversion efficiency of bulk-heterojunction organic photovoltaic cells using neat C70 as an effective acceptor for an amorphous $\pi$ -conjugated polymer. <i>Organic Electronics</i> , 2015, 25, 99-104.	2.6	12
57	Monosubstitution at the 4-position of 2,7-carbazoylene expands the structural design and fundamental properties of D-A copolymers for organic photovoltaic cells. <i>Polymer Chemistry</i> , 2015, 6, 5921-5930.	3.9	10
58	Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. <i>Scientific Reports</i> , 2015, 5, 9483.	3.3	29
59	Temperature-independent carrier formation dynamics in bulk heterojunction. <i>Applied Physics Express</i> , 2015, 8, 112301.	2.4	2
60	Carrier injection dynamics in heterojunction solar cells with bipolar molecule. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	3
61	Dramatic enhancement of fullerene anion formation in polymer solar cells by thermal annealing: Direct observation by electron spin resonance. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	28
62	Molecular mixing in donor and acceptor domains as investigated by scanning transmission X-ray microscopy. <i>Applied Physics Express</i> , 2014, 7, 052302.	2.4	11
63	Triphenylamine-based amorphous polymers for bulk-heterojunction photovoltaic cells. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 54, 012015.	0.6	3
64	Direct Arylation Polycondensation: A Promising Method for the Synthesis of Highly Pure, High-Molecular-Weight Conjugated Polymers Needed for Improving the Performance of Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2014, 24, 3226-3233.	14.9	126
65	Two-Step direct arylation for synthesis of naphthalenediimide-based conjugated polymer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1401-1407.	2.3	40
66	Room-Temperature Printing of Organic Thin-Film Transistors with Junction Gold Nanoparticles. <i>Advanced Functional Materials</i> , 2014, 24, 4886-4892.	14.9	118
67	Syntheses and Photovoltaic Properties of Narrow Band Gap Donor-Acceptor Copolymers with Carboxylate-Substituted Benzodithiophene as Electron Acceptor Unit. <i>Macromolecules</i> , 2014, 47, 4987-4993.	4.8	17
68	A dopant-free hole-transporting material for efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 2963-2967.	30.8	668
69	Effect of temperature on carrier formation efficiency in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	9
70	Synthesis and Properties of Regioregular Poly(3-substituted thiophene) Bearing Disiloxane Moiety in the Substituent. Remarkably High Solubility in Hexane. <i>Chemistry Letters</i> , 2014, 43, 640-642.	1.3	24
71	A Directly Linked Ferrocene-Naphthalenediimide Conjugate: Precise Control of Stacking Structures of $\pi$ -Systems by Redox Stimuli. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9167-9171.	13.8	87
72	Deuterium Isotope Effect on Bulk Heterojunction Solar Cells. Enhancement of Organic Photovoltaic Performances Using Monobenzyl Substituted Deuteriofullerene Acceptors. <i>Organic Letters</i> , 2013, 15, 5674-5677.	4.6	12

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73	Exciton-to-Carrier Conversion Processes in a Low-Band-Gap Organic Photovoltaic. Japanese Journal of Applied Physics, 2013, 52, 062405.	1.5	22
74	Unique Device Operations by Combining Optical-Memory Effect and Electrical-Gate Modulation in a Photochromism-Based Dual-Gate Transistor. ACS Applied Materials & Interfaces, 2013, 5, 9726-9731.	8.0	35
75	Functional 2-benzyl-1,2-dihydro[60]fullerenes as acceptors for organic photovoltaics: facile synthesis and high photovoltaic performances. Tetrahedron, 2013, 69, 1302-1306.	1.9	12
76	Synthesis and photovoltaic properties of amorphous polymers based on dithienylbenzothiadiazole-triphenylamine with hexyl side chains on different positions of thienyl groups. Journal of Polymer Science Part A, 2013, 51, 2536-2544.	2.3	16
77	Diffraction-unlimited optical imaging of unstained living cells in liquid by electron beam scanning of luminescent environmental cells. Optics Express, 2013, 21, 28198.	3.4	3
78	Carrier formation dynamics of a small-molecular organic photovoltaic. Applied Physics Letters, 2013, 102, .	3.3	11
79	Robust carrier formation process in low-band gap organic photovoltaics. Applied Physics Letters, 2013, 103, 173901.	3.3	9
80	Bulk-heterojunction organic photovoltaic cells fabricated using a high-viscosity solution of poly(3-hexylthiophene) with extremely high molecular weight. Polymer Journal, 2013, 45, 129-132.	2.7	7
81	Prominent Charge-Transfer State at $\text{I}^{\pm}\text{-Sexithiophene/C}_{60}$ Interface. Journal of the Physical Society of Japan, 2013, 82, 063709.	1.6	3
82	Light exposure dependence of field-effect mobility of pentacene thin films deposited on very thin polyimide photo-alignment layers. Journal of Applied Physics, 2012, 111, 123702.	2.5	2
83	Photovoltaic Properties and Charge Dynamics in Nanophase-Separated F8T2/PCBM Blend Films. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 271-276.	0.3	15
84	Fast Carrier Formation from Acceptor Exciton in Low-Gap Organic Photovoltaic. Applied Physics Express, 2012, 5, 042302.	2.4	32
85	Improved power conversion efficiency of bulk-heterojunction organic solar cells using a benzothiadiazole-triphenylamine polymer. Journal of Materials Chemistry, 2012, 22, 2539-2544.	6.7	30
86	Use of benzothiadiazole-triphenylamine amorphous polymer for reproducible performance of polymer-fullerene bulk-heterojunction solar cells. Organic Electronics, 2012, 13, 1802-1808.	2.6	18
87	Effect of branched alkyl chains attached at sp <sup>3</sup> silicon of donor-acceptor copolymers on their morphology and photovoltaic properties. Journal of Polymer Science Part A, 2012, 50, 4829-4839.	2.3	11
88	Soluble porphyrin donors for small molecule bulk heterojunction solar cells. Journal of Materials Chemistry, 2012, 22, 19258.	6.7	61
89	Carrier Formation Dynamics of Organic Photovoltaics as Investigated by Time-Resolved Spectroscopy. Advances in Optical Technologies, 2012, 2012, 1-10.	0.8	10
90	Electrochemical Generation and Spectroscopic Characterization of Charge Carriers within Isolated Planar Polythiophene. Macromolecules, 2012, 45, 3759-3771.	4.8	47

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91	Charge-Transfer State and Charge Dynamics in Poly(9,9'-dioctylfluorene-co-bithiophene) and [6,6]-Phenyl C <sub>70</sub> -butyric Acid Methyl Ester Blend Film. <i>Applied Physics Express</i> , 2011, 4, 122601.	2.4	13
92	Preparation, Spectral Properties, and Electron Affinity of Bis(thiadiazolo)quinoxaline and Bis(thiadiazolo)phenanthroquinoxaline as n-Type Semiconductors. <i>Chemistry Letters</i> , 2011, 40, 1252-1253.	1.3	5
93	Air-stable triarylamine-based amorphous polymer as donor material for bulk-heterojunction organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3509-3515.	6.2	14
94	Anisotropic field-effect hole mobility of liquid crystalline conjugated polymer layers formed on photoaligned polyimide films. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	29
95	Benzothiadiazole-Triphenylamine Derivatives as Donor Materials for Bulk-Heterojunction Organic Solar Cells. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2010, 23, 307-312.	0.3	4
96	Organic field-effect transistors based on naphthyl end-capped divinylbenzene: Performance, stability and molecular packing. <i>Organic Electronics</i> , 2010, 11, 658-663.	2.6	16
97	A Self-Threading Polythiophene: Defect-Free Insulated Molecular Wires Endowed with Long Effective Conjugation Length. <i>Journal of the American Chemical Society</i> , 2010, 132, 14754-14756.	13.7	129
98	Anisotropic carrier transport properties of highly aligned oligophenylenevinylenes in organic field-effect transistors. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 179-183.	2.3	4
99	Fabrication of Stretch-Oriented Regioregular Poly(3-Hexylthiophene) film and Its Application to Organic Field-Effect Transistors. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2009, 22, 713-717.	0.3	17
100	Synthesis and Carrier Transport Properties of Triarylamine-based Amorphous Polymers for Organic Field-effect Transistors. <i>Chemistry Letters</i> , 2009, 38, 1040-1041.	1.3	15
101	Conjugation-length dependency of unsubstituted oligo-p-phenylenevinylenes on the performance of organic field-effect transistors. <i>Chemical Physics Letters</i> , 2008, 452, 110-114.	2.6	15
102	Diethynyl Aryl Derivatives for P-Channel and N-Channel Organic Field-Effect Transistors. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1091, 1.	0.1	0
103	Air Stability of p-Channel Organic Field-Effect Transistors Based on Oligo-p-phenylenevinylene Derivatives. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1760-1762.	1.5	17
104	Improvement of Hole Mobility in Organic Field-Effect Transistors Based on Octyl-substituted Oligo-p-phenylenevinylene by Thermal Treatment at Smectic Liquid Crystalline Phase. <i>Applied Physics Express</i> , 2008, 1, 021802.	2.4	5
105	Poly(p-phenylenevinylene)-based field-effect transistors with platinum source-drain electrodes. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 1646-1648.	2.8	2
106	Fabrication of p- and n-Type Field-Effect Transistors Using Poly(p-phenylenevinylene) via Water-Soluble Precursor under High-Gravity Condition. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L177-L179.	1.5	3
107	Design of Multilayer Structure for UV Organic Light-Emitting Diodes Based on 2-(2-Naphthyl)-9,9'-spirobifluorene. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5071.	1.5	19
108	Diethynyl naphthalene derivatives with high ionization potentials for p-channel and n-channel organic field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 4471-4475.	2.8	12

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109	Fluorine-containing Diethynyl Aryl Derivatives for n-Channel Organic Field-effect Transistors. <i>Chemistry Letters</i> , 2007, 36, 1194-1195.	1.3	10
110	Parylene-C and High-k Polymer Bilayer Gate Dielectric for Low-Operating Voltage Organic Field-Effect Transistors. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 471, 221-227.	0.9	1
111	High efficiency polarization-sensitive organic photovoltaic devices. <i>Applied Physics Letters</i> , 2006, 88, 253506.	3.3	13
112	Spirobifluorene derivatives for ultraviolet organic light-emitting diodes. <i>Synthetic Metals</i> , 2006, 156, 1090-1096.	3.9	38
113	Organic Field-Effect Transistors Based on Oligo-p-Phenylenevinylene Derivatives. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L313-L315.	1.5	15
114	Low-Operating-Voltage Organic Field-Effect Transistors with Poly-p-Xylylene/High-k Polymer Bilayer Gate Dielectric. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L770-L772.	1.5	10
115	Ambipolar Charge Transport in Organic Field-Effect Transistors Based on Lead Phthalocyanine with Low Band Gap Energy. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L595-L597.	1.5	24
116	n-Channel Organic Field-Effect Transistors Based on Boron-Subphthalocyanine. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 462, 3-9.	0.9	52
117	Highly-Oriented Organic Thin Films and Application for Photovoltaic Device. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 462, 67-73.	0.9	1
118	p- and n-Type Charge Transport in Field-Effect Transistors of Pristine Poly(p-Phenylenevinylene). <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
119	Control of p- and n-type carriers by end-group substitution in oligo-p-phenylenevinylene-based organic field-effect transistors. <i>Applied Physics Letters</i> , 2006, 89, 182108.	3.3	33
120	Ambipolar Carrier Transport in Polycrystalline Pentacene Thin-Film Transistors. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 219-224.	0.9	28
121	High efficiency polarization-sensitive photovoltaic devices using oriented organic thin film. , 2005, , .		1
122	Tandem-type organic solar cells by stacking different heterojunction materials. <i>Thin Solid Films</i> , 2005, 477, 198-202.	1.8	33
123	Organic thin-film diodes with internal charge separation zone. <i>Current Applied Physics</i> , 2005, 5, 341-344.	2.4	4
124	Organic field-effect transistors based on high electron and ambipolar carrier transport properties of copper phthalocyanine. <i>Chemical Physics Letters</i> , 2005, 402, 395-398.	2.6	111
125	Improvement of Heterojunction Donor/Acceptor Organic Photovoltaic Devices by Employing Additional Active Layer. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1974-1977.	1.5	6
126	Polarization-Sensitive Photodiodes Composed of Organic Multilayer Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8676-8678.	1.5	4



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127	Carrier Transport Properties of Monodisperse Glassy-Nematic Oligofluorenes in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2005, 17, 264-268.	6.7	111
128	Emergence of n-Type Characteristic of Conjugated Polymer Field-Effect Transistors with Calcium Source-Drain Electrodes. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 7731-7732.	1.5	10
129	Charge carrier mobility in blue-green emitting fluorenyl-substituted poly(p-phenylene vinylene)s. <i>Journal of Applied Physics</i> , 2004, 95, 3825-3827.	2.5	18
130	Ambipolar pentacene field-effect transistors with calcium source-drain electrodes. <i>Applied Physics Letters</i> , 2004, 85, 2098-2100.	3.3	222
131	Effects of Different Materials Used for Internal Floating Electrode on the Photovoltaic Properties of Tandem Type Organic Solar Cell. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 2352-2356.	1.5	28
132	CHARGE CARRIER MOBILITY IN VACUUM-SUBLIMED DYE FILMS FOR LIGHT-EMITTING DIODES STUDIED BY THE TIME-OF-FLIGHT TECHNIQUE. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 405, 67-73.	0.9	27
133	Flexible organic field-effect transistors fabricated by the electrode-peeling transfer with an assist of self-assembled monolayer. <i>Applied Physics Letters</i> , 2003, 82, 4373-4375.	3.3	26
134	Organic Field-Effect Transistors with Gate Dielectric Films of Poly-p-Xylylene Derivatives Prepared by Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 6614-6618.	1.5	88
135	Poly-p-xylylene derivatives as non-solution processible gate dielectric materials for organic field effect transistor. , 2003, 5217, 202.		2
136	Benefits of Flat Polymer Dielectric Surface Loading Organic Semiconductors in Field-Effect Transistors Prepared by Electrode-Peeling Transfer. <i>Japanese Journal of Applied Physics</i> , 2003, 42, L967-L969.	1.5	6
137	Electron and Hole Mobility in Vacuum Deposited Organic Thin Films of Bis[2-(2-hydroxyphenyl)benzoxazolate]zinc and Its Derivatives. <i>Chemistry Letters</i> , 2003, 32, 644-645.	1.3	15
138	Flexible organic field-effect transistors fabricated by the electrode-peeling transfer. <i>Materials Research Society Symposia Proceedings</i> , 2003, 769, 391.	0.1	0
139	Carrier Mobilities in Organic Electron Transport Materials Determined from Space Charge Limited Current. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5626-5629.	1.5	111