

Takeshi Yasuda

List of Publications by Year in descending order

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139
papers

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140
times ranked

5585
citing authors

#	ARTICLE	IF	CITATIONS
1	A dopant-free hole-transporting material for efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 2963-2967.	15.6	668
2	Control over differentiation of a metastable supramolecular assembly in one and two dimensions. <i>Nature Chemistry</i> , 2017, 9, 493-499.	6.6	408
3	Ambipolar pentacene field-effect transistors with calcium source-drain electrodes. <i>Applied Physics Letters</i> , 2004, 85, 2098-2100.	1.5	222
4	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.	6.6	129
5	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.	7.8	126
6	Room-Temperature Printing of Organic Thin-Film Transistors with Junction Gold Nanoparticles. <i>Advanced Functional Materials</i> , 2014, 24, 4886-4892.	7.8	118
7	Carrier Mobilities in Organic Electron Transport Materials Determined from Space Charge Limited Current. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5626-5629.	0.8	111
8	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.	1.2	111
9	Carrier Transport Properties of Monodisperse Glassy-Nematic Oligofluorenes in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2005, 17, 264-268.	3.2	111
10	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.	0.8	88
11	A Directly Linked Ferrocene-Naphthalenediimide Conjugate: Precise Control of Stacking Structures of Systems by Redox Stimuli. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9167-9171.	7.2	87
12	Effects of the Terminal Structure, Purity, and Molecular Weight of an Amorphous Conjugated Polymer on Its Photovoltaic Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1752-1758.	4.0	65
13	Soluble porphyrin donors for small molecule bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 19258.	6.7	61
14	Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet. <i>Advanced Materials</i> , 2016, 28, 6568-6573.	11.1	60
15	n-Channel Organic Field-Effect Transistors Based on Boron-Subphthalocyanine. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 462, 3-9.	0.4	52
16	Electrochemical Generation and Spectroscopic Characterization of Charge Carriers within Isolated Planar Polythiophene. <i>Macromolecules</i> , 2012, 45, 3759-3771.	2.2	47
17	Synthesis of Conjugated Polymers Containing Octafluorobiphenylene Unit via Pd-Catalyzed Cross-Dehydrogenative-Coupling Reaction. <i>ACS Macro Letters</i> , 2018, 7, 90-94.	2.3	42
18	Two-Step direct arylation for synthesis of naphthalenediimide-based conjugated polymer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1401-1407.	2.5	40

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19	Suppression of Homocoupling Side Reactions in Direct Arylation Polycondensation for Producing High Performance OPV Materials. <i>Macromolecules</i> , 2016, 49, 9388-9395.	2.2	39
20	Spirobifluorene derivatives for ultraviolet organic light-emitting diodes. <i>Synthetic Metals</i> , 2006, 156, 1090-1096.	2.1	38
21	Unique Device Operations by Combining Optical-Memory Effect and Electrical-Gate Modulation in a Photochromism-Based Dual-Gate Transistor. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9726-9731.	4.0	35
22	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.	2.2	34
23	Tandem-type organic solar cells by stacking different heterojunction materials. <i>Thin Solid Films</i> , 2005, 477, 198-202.	0.8	33
24	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.	1.5	33
25	Fast Carrier Formation from Acceptor Exciton in Low-Gap Organic Photovoltaic. <i>Applied Physics Express</i> , 2012, 5, 042302.	1.1	32
26	Homogeneous dewetting on large-scale microdroplet arrays for solution-processed electronics. <i>NPG Asia Materials</i> , 2017, 9, e409-e409.	3.8	31
27	Improved power conversion efficiency of bulk-heterojunction organic solar cells using a benzothiadiazole-triphenylamine polymer. <i>Journal of Materials Chemistry</i> , 2012, 22, 2539-2544.	6.7	30
28	Supramolecular Assemblies of Ferrocene-Hinged Naphthalenediimides: Multiple Conformational Changes in Film States. <i>Journal of the American Chemical Society</i> , 2016, 138, 11245-11253.	6.6	30
29	Modulation of the Emission Mode of a Pt(II) Complex via Intermolecular Interactions. <i>Inorganic Chemistry</i> , 2017, 56, 8726-8729.	1.9	30
30	Anisotropic field-effect hole mobility of liquid crystalline conjugated polymer layers formed on photoaligned polyimide films. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	29
31	Fullerene mixing effect on carrier formation in bulk-hetero organic solar cell. <i>Scientific Reports</i> , 2015, 5, 9483.	1.6	29
32	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.	0.8	28
33	Ambipolar Carrier Transport in Polycrystalline Pentacene Thin-Film Transistors. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 219-224.	0.4	28
34	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, .	1.5	28
35	Facile Synthesis of Thienopyrroledione-Based π -Conjugated Polymers via Direct Arylation Polycondensation under Aerobic Conditions. <i>Macromolecules</i> , 2018, 51, 6782-6788.	2.2	28
36	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.	0.4	27

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37	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.	1.5	26
38	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.	0.8	24
39	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.	0.7	24
40	Exciton-to-Carrier Conversion Processes in a Low-Band-Gap Organic Photovoltaic. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 062405.	0.8	22
41	Synthesis of bithiazole-based semiconducting polymers via Cu-catalysed aerobic oxidative coupling. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1306-1309.	3.2	22
42	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.	2.5	20
43	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.	0.8	19
44	Synthesis of pyrrole-based poly(arylenevinylene)s via Rh-catalyzed dehydrogenative direct alkenylation. <i>Polymer Chemistry</i> , 2016, 7, 2775-2779.	1.9	19
45	Charge carrier mobility in blue-green emitting fluorenyl-substituted poly(p-phenylene vinylene)s. <i>Journal of Applied Physics</i> , 2004, 95, 3825-3827.	1.1	18
46	Use of benzothiadiazole-triphenylamine amorphous polymer for reproducible performance of polymer-fullerene bulk-heterojunction solar cells. <i>Organic Electronics</i> , 2012, 13, 1802-1808.	1.4	18
47	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.	0.8	17
48	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.	0.1	17
49	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.	2.2	17
50	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.	2.6	17
51	Organic field-effect transistors based on naphthyl end-capped divinylbenzene: Performance, stability and molecular packing. <i>Organic Electronics</i> , 2010, 11, 658-663.	1.4	16
52	Synthesis and photovoltaic properties of amorphous polymers based on dithienylbenzothiadiazole-triphenylamine with hexyl side chains on different positions of thienyl groups. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2536-2544.	2.5	16
53	Synthesis and photovoltaic properties of naphthobisthiadiazole-triphenylamine-based donor-acceptor π -conjugated polymer. <i>Polymer</i> , 2015, 58, 139-145.	1.8	16
54	Direct arylation polycondensation for the synthesis of bithiazole-based conjugated polymers and their physical properties. <i>Polymer Journal</i> , 2017, 49, 123-131.	1.3	16

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55	Polymer-Based Organic Field-Effect Transistors with Active Layers Aligned by Highly Hydrophobic Nanogrooved Surfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1905365.	7.8	16
56	Electron and Hole Mobility in Vacuum Deposited Organic Thin Films of Bis[2-(2-hydroxyphenyl)benzoxazole]zinc and Its Derivatives. <i>Chemistry Letters</i> , 2003, 32, 644-645.	0.7	15
57	Organic Field-Effect Transistors Based on Oligo-p-Phenylenevinylene Derivatives. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L313-L315.	0.8	15
58	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.	1.2	15
59	Synthesis and Carrier Transport Properties of Triarylamine-based Amorphous Polymers for Organic Field-effect Transistors. <i>Chemistry Letters</i> , 2009, 38, 1040-1041.	0.7	15
60	Photovoltaic Properties and Charge Dynamics in Nanophase-Separated F8T2/PCBM Blend Films. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2012, 25, 271-276.	0.1	15
61	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.	3.0	14
62	Synthesis of Polyfluoro Arylene-Based Poly(arylenevinylene)s via Pd-Catalyzed Dehydrogenative Direct Alkenylation. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800414.	2.0	14
63	One-Pot Synthesis of Triazatriphenylene Using the Povarov Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 7920-7927.	1.7	14
64	High efficiency polarization-sensitive organic photovoltaic devices. <i>Applied Physics Letters</i> , 2006, 88, 253506.	1.5	13
65	Charge-Transfer State and Charge Dynamics in Poly(9,9'-dioctylfluorene-co-bithiophene) and [6,6]-Phenyl C ₇₀ -butyric Acid Methyl Ester Blend Film. <i>Applied Physics Express</i> , 2011, 4, 122601.	1.1	13
66	Spatially Uniform Thin-Film Formation of Polymeric Organic Semiconductors on Lyophobic Gate Insulator Surfaces by Self-Assisted Flow-Coating. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6237-6245.	4.0	13
67	Facile one-pot access to π -conjugated polymers via sequential bromination/direct arylation polycondensation. <i>Polymer Chemistry</i> , 2017, 8, 3006-3012.	1.9	13
68	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.	1.3	12
69	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.	2.4	12
70	Functional 2-benzyl-1,2-dihydro[60]fullerenes as acceptors for organic photovoltaics: facile synthesis and high photovoltaic performances. <i>Tetrahedron</i> , 2013, 69, 1302-1306.	1.0	12
71	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.	1.9	12
72	Improved power conversion efficiency of bulk-heterojunction organic photovoltaic cells using neat C70 as an effective acceptor for an amorphous π -conjugated polymer. <i>Organic Electronics</i> , 2015, 25, 99-104.	1.4	12

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73	Field-effect transistors with vacuum-deposited organic-inorganic perovskite films as semiconductor channels. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	12
74	Effect of branched alkyl chains attached at sp ³ silicon of donor-acceptor copolymers on their morphology and photovoltaic properties. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4829-4839.	2.5	11
75	Carrier formation dynamics of a small-molecular organic photovoltaic. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
76	Molecular mixing in donor and acceptor domains as investigated by scanning transmission X-ray microscopy. <i>Applied Physics Express</i> , 2014, 7, 052302.	1.1	11
77	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.	0.8	10
78	Low-Operating-Voltage Organic Field-Effect Transistors with Poly-p-Xylylene/High-kPolymer Bilayer Gate Dielectric. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L770-L772.	0.8	10
79	Fluorine-containing Diethynyl Aryl Derivatives for n-Channel Organic Field-effect Transistors. <i>Chemistry Letters</i> , 2007, 36, 1194-1195.	0.7	10
80	Carrier Formation Dynamics of Organic Photovoltaics as Investigated by Time-Resolved Spectroscopy. <i>Advances in Optical Technologies</i> , 2012, 2012, 1-10.	0.8	10
81	Monosubstitution at the 4-position of 2,7-carbazolylene expands the structural design and fundamental properties of D-A copolymers for organic photovoltaic cells. <i>Polymer Chemistry</i> , 2015, 6, 5921-5930.	1.9	10
82	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.	2.1	10
83	Robust carrier formation process in low-band gap organic photovoltaics. <i>Applied Physics Letters</i> , 2013, 103, 173901.	1.5	9
84	Effect of temperature on carrier formation efficiency in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	9
85	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
86	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.	1.9	9
87	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.	1.4	8
88	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.	2.1	8
89	Bulk-heterojunction organic photovoltaic cells fabricated using a high-viscosity solution of poly(3-hexylthiophene) with extremely high molecular weight. <i>Polymer Journal</i> , 2013, 45, 129-132.	1.3	7
90	Manganese powder promoted highly efficient and selective synthesis of fullerene mono- and biscycloadducts at room temperature. <i>Scientific Reports</i> , 2015, 5, 13920.	1.6	7

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91	Perovskite Solar Cells Prepared by Advanced Three-Step Method Using Additional HC(NH ₂) ₂ Spin-Coating: Efficiency Improvement with Multiple Bandgap Structure. ACS Applied Energy Materials, 2018, 1, 1389-1394.	2.5	7
92	Synthesis of Azine-Based Conjugated Polymers by Metal-Free Dehydration Polycondensation and Characterization of Their Physical Properties. Macromolecules, 2021, 54, 11281-11288.	2.2	7
93	Benefits of Flat Polymer Dielectric Surface Loading Organic Semiconductors in Field-Effect Transistors Prepared by Electrode-Peeling Transfer. Japanese Journal of Applied Physics, 2003, 42, L967-L969.	0.8	6
94	Improvement of Heterojunction Donor/Acceptor Organic Photovoltaic Devices by Employing Additional Active Layer. Japanese Journal of Applied Physics, 2005, 44, 1974-1977.	0.8	6
95	Carrier density effect on recombination in PTB7-based solar cell. Scientific Reports, 2015, 5, 13648.	1.6	6
96	Carrier Formation Dynamics in Prototypical Organic Solar Cells as Investigated by Transient Absorption Spectroscopy. International Journal of Photoenergy, 2016, 2016, 1-17.	1.4	6
97	Synthesis of Pyrrole-Based Poly(arylenevinylene)s via Co-Catalyzed Hydroarylation of Alkynes. Macromolecular Rapid Communications, 2021, 42, e2100283.	2.0	6
98	Improvement of Hole Mobility in Organic Field-Effect Transistors Based on Octyl-substituted Oligo-p-phenylenevinylene by Thermal Treatment at Smectic Liquid Crystalline Phase. Applied Physics Express, 2008, 1, 021802.	1.1	5
99	Preparation, Spectral Properties, and Electron Affinity of Bis(thiadiazolo)quinoxaline and Bis(thiadiazolo)phenanthroquinoxaline as n-Type Semiconductors. Chemistry Letters, 2011, 40, 1252-1253.	0.7	5
100	Synthesis and photovoltaic properties of donor-acceptor type narrow bandgap copolymers based on benzo[def]carbazole. Synthetic Metals, 2016, 220, 440-447.	2.1	5
101	High-Resolution Electronics: Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet (Adv. Mater. 31/2016). Advanced Materials, 2016, 28, 6768-6768.	11.1	5
102	Dual substitution at 4,9-positions of carbazole in donor-acceptor copolymer enhances performance of bulk-heterojunction organic solar cells. Polymer, 2017, 108, 305-312.	1.8	5
103	Organic thin-film diodes with internal charge separation zone. Current Applied Physics, 2005, 5, 341-344.	1.1	4
104	Polarization-Sensitive Photodiodes Composed of Organic Multilayer Thin Films. Japanese Journal of Applied Physics, 2005, 44, 8676-8678.	0.8	4
105	Anisotropic carrier transport properties of highly aligned oligophenylenevinylenes in organic field-effect transistors. Applied Physics A: Materials Science and Processing, 2009, 95, 179-183.	1.1	4
106	Benzothiadiazole-Triphenylamine Derivatives as Donor Materials for Bulk-Heterojunction Organic Solar Cells. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 307-312.	0.1	4
107	Emission from Charge-Transfer States in Bulk Heterojunction Organic Photovoltaic Cells Based on Ethylenedioxythiophene-Fluorene Polymers. Molecular Crystals and Liquid Crystals, 2015, 620, 107-111.	0.4	4
108	Photovoltaic Properties of Bithiazole-Based Polymers Synthesized by Direct C-H Arylation. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 347-352.	0.1	4

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109	Multi-molecular emission of a cationic Pt(λ -irradiation) complex through hydrogen bonding interactions. Dalton Transactions, 2018, 47, 4087-4092.	1.6	4
110	Fabrication of p- and n-Type Field-Effect Transistors Using Poly(p-phenylenevinylene) via Water-Soluble Precursor under High-Gravity Condition. Japanese Journal of Applied Physics, 2007, 46, L177-L179.	0.8	3
111	Diffraction-unlimited optical imaging of unstained living cells in liquid by electron beam scanning of luminescent environmental cells. Optics Express, 2013, 21, 28198.	1.7	3
112	Prominent Charge-Transfer State at λ -Sexithiophene/C ₆₀ Interface. Journal of the Physical Society of Japan, 2013, 82, 063709.	0.7	3
113	Triphenylamine-based amorphous polymers for bulk-heterojunction photovoltaic cells. IOP Conference Series: Materials Science and Engineering, 2014, 54, 012015.	0.3	3
114	Microwave-assisted polycondensation of 4-octylaniline with dibromoarylene. Journal of Polymer Science Part A, 2015, 53, 536-542.	2.5	3
115	Carrier injection dynamics in heterojunction solar cells with bipolar molecule. Applied Physics Letters, 2015, 106, .	1.5	3
116	Effects of neat C60 doping on the performance of bulk-heterojunction solar cells based on P3HT:PCBM. Molecular Crystals and Liquid Crystals, 2017, 653, 125-130.	0.4	3
117	Poly-p-xylylene derivatives as non-solution processible gate dielectric materials for organic field effect transistor. , 2003, 5217, 202.		2
118	Poly(p-phenylenevinylene)-based field-effect transistors with platinum source-drain electrodes. Journal Physics D: Applied Physics, 2007, 40, 1646-1648.	1.3	2
119	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.	1.1	2
120	Bulk Heterojunction Photovoltaic Cells with Triphenylamine-Based Amorphous Polymer and Non-Halogenated Solvent Processing Provide Reproducible Performance. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 373-376.	0.1	2
121	Temperature effects on carrier formation dynamics in organic heterojunction solar cell. Applied Physics Letters, 2015, 107, 133903.	1.5	2
122	Temperature-independent carrier formation dynamics in bulk heterojunction. Applied Physics Express, 2015, 8, 112301.	1.1	2
123	Organic Photovoltaics Based on Poly(3,4-phenylenedioxy-2,5-thienylenevinylene)s. Electrochemistry, 2017, 85, 241-244.	0.6	2
124	Synthesis and electrochromic behavior of a multi-electron redox-active N-heteroheptacenequinone. Organic and Biomolecular Chemistry, 2019, 17, 7884-7890.	1.5	2
125	Vibrational entropy as an indicator of temperature coefficient of redox potential in conjugated polymers. Japanese Journal of Applied Physics, 2019, 58, 097004.	0.8	2
126	Rapid discharge process of polythiophene cast film as cathode material. Journal of Electroanalytical Chemistry, 2019, 839, 210-213.	1.9	2

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127	Photovoltaic properties of planar organic solar cells using perylenetetracarboxylic diimide with phenylethyl derivatives. Japanese Journal of Applied Physics, 2020, 59, SDDD01.	0.8	2
128	Facile Synthesis of 1,7-Phenanthroline Derivatives and Evaluation of Their Properties as Hole-Blocking Materials in Organic Light-Emitting Diodes. Bulletin of the Chemical Society of Japan, 2022, 95, 458-465.	2.0	2
129	High efficiency polarization-sensitive photovoltaic devices using oriented organic thin film. , 2005, , .		1
130	Highly-Oriented Organic Thin Films and Application for Photovoltaic Device. Molecular Crystals and Liquid Crystals, 2006, 462, 67-73.	0.4	1
131	Parylene-C and High- <i>k</i> Polymer Bilayer Gate Dielectric for Low-Operating Voltage Organic Field-Effect Transistors. Molecular Crystals and Liquid Crystals, 2007, 471, 221-227.	0.4	1
132	Hydrogen-bonded dimers of mono-alkylated diketopyrrolopyrroles and their physical properties. Synthetic Metals, 2022, 284, 117007.	2.1	1
133	Flexible organic field-effect transistors fabricated by the electrode-peeling transfer. Materials Research Society Symposia Proceedings, 2003, 769, 391.	0.1	0
134	p- and n-Type Charge Transport in Field-Effect Transistors of Pristine Poly(p-Phenylenevinylene). Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
135	Diethynyl Aryl Derivatives for P-Channel and N-Channel Organic Field-Effect Transistors. Materials Research Society Symposia Proceedings, 2008, 1091, 1.	0.1	0
136	Morphology of F8T2/PC71BM Blend Film as Investigated by Scanning Transmission X-ray Microscope (STXM). Molecular Crystals and Liquid Crystals, 2015, 620, 32-37.	0.4	0
137	Spectroscopic Determination of Charge Formation Efficiency of Organic Photovoltaic Cells. Molecular Crystals and Liquid Crystals, 2015, 620, 26-31.	0.4	0
138	Organic Light-Emitting Diodes Using Octafluorobiphenyl-Based Polymer Synthesized by Direct C ¹⁴ H/C ¹⁴ H Cross Coupling Reaction. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 323-327.	0.1	0
139	Origin of the material dependence of temperature coefficient of redox potential in conjugated polymers. Applied Physics Express, 2021, 14, 037001.	1.1	0