

Kwanghee Lee

List of Publications by Year in descending order

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134
papers

15,731
citations

57631

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14786
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#	ARTICLE	IF	CITATIONS
1	Conjugated polyelectrolytes for stable perovskite solar cells based on methylammonium lead triiodide. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3321-3329.	5.2	1
2	Overcoming the Low Surface Energy Induced Wettability Problem of Flexible and Transparent Electrodes for Large Area Organic Photovoltaic Modules over 500 cm ² . <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	11
3	A long-term stable organic semiconductor photocathode-based photoelectrochemical module system for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13247-13253.	5.2	5
4	Synthesis and photophysical properties of <i>N</i> -alkyl dithieno[3,2- <i>b</i> :2',3'- <i>d</i>]pyrrole based donor/acceptor- π -conjugated copolymers for solar-cell application. <i>RSC Advances</i> , 2022, 12, 17682-17688.	1.7	3
5	Anion Induced Catalytic Reaction in a Solution Processed Molybdenum Oxide for Efficient Inverted Ternary Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	3
6	Efficient and Stable Perovskite Based Photocathode for Photoelectrochemical Hydrogen Production. <i>Advanced Functional Materials</i> , 2021, 31, 2008277.	7.8	36
7	An organometal halide perovskite photocathode integrated with a MoS ₂ catalyst for efficient and stable photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22291-22300.	5.2	14
8	Organic cathode interfacial materials for non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13506-13514.	5.2	21
9	Highly stable and efficient cathode-buffer-layer-free inverted perovskite solar cells. <i>Nanoscale</i> , 2021, 13, 5652-5659.	2.8	7
10	Perovskite Based Photocathodes: Efficient and Stable Perovskite Based Photocathode for Photoelectrochemical Hydrogen Production (<i>Adv. Funct. Mater.</i> 17/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170119.	7.8	2
11	Solid-State Ionic Liquid: Key to Efficient Detection and Discrimination in Organic Semiconductor Gas Sensors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2152-2163.	2.0	4
12	Direct Observation of Confinement Effects of Semiconducting Polymers in Polymer Blend Electronic Systems. <i>Advanced Science</i> , 2021, 8, 2100332.	5.6	12
13	Inner Encapsulating Approach for Moisture Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100351.	3.1	7
14	Correlating the Active Layer Structure and Composition with the Device Performance and Lifetime of Amino-Acid-Modified Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43505-43515.	4.0	17
15	New benzodithiophene fused electron acceptors for benzodithiophene-based polymer. <i>Dyes and Pigments</i> , 2021, 196, 109756.	2.0	1
16	Simultaneously Passivating Cation and Anion Defects in Metal Halide Perovskite Solar Cells Using a Zwitterionic Amino Acid Additive. <i>Small</i> , 2021, 17, e2005608.	5.2	51
17	Molecular engineering of non-fullerene acceptors based on thiophene-fused end groups for fullerene-free organic solar cells. <i>Dyes and Pigments</i> , 2021, , 109987.	2.0	2
18	Face-on oriented thermolabile Boc-isoidindigo/thiophenes small molecules: From synthesis to OFET performance. <i>Dyes and Pigments</i> , 2020, 172, 107784.	2.0	21

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19	Controlling the Chromaticity of White Organic Light-Emitting Diodes Using a Microcavity Architecture. <i>Advanced Optical Materials</i> , 2020, 8, 1901365.	3.6	10
20	Reversible Polymorphic Transition and Hysteresis-Driven Phase Selectivity in Single-Crystalline C8-BTBT Rods. <i>Small</i> , 2020, 16, e1906109.	5.2	16
21	Origin of Open-Circuit Voltage Enhancements in Planar Perovskite Solar Cells Induced by Addition of Bulky Organic Cations. <i>Advanced Functional Materials</i> , 2020, 30, 1906763.	7.8	47
22	Retarding Ion Exchange between Conducting Polymers and Ionic Liquids for Printable Top Electrodes in Semitransparent Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2276-2284.	4.0	35
23	Tuning the Mechanical and Electrical Properties of Stretchable PEDOT:PSS/Ionic Liquid Conductors. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000291.	1.1	17
24	Molecular-level electrochemical doping for fine discrimination of volatile organic compounds in organic chemiresistors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16884-16891.	5.2	8
25	Energy-Harvesting Blue Color Filters for Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 2000873.	3.6	0
26	Large-Area Nonfullerene Organic Solar Cell Modules Fabricated by a Temperature-Independent Printing Method. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41877-41885.	4.0	30
27	Molecular understanding of a π -conjugated polymer/solid-state ionic liquid complex as a highly sensitive and selective gas sensor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15268-15276.	2.7	25
28	Interface Engineering for Fabricating Semitransparent and Flexible Window-Film-Type Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26232-26238.	4.0	13
29	Direct observation of continuous networks of "sol-gel" processed metal oxide thin film for organic and perovskite photovoltaic modules with long-term stability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18659-18667.	5.2	6
30	Alkylthio-substitution on wide bandgap conjugated polymers for non-fullerene acceptor-based organic solar cells. <i>Dyes and Pigments</i> , 2020, 182, 108601.	2.0	1
31	Solution-Processed and Transparent Graphene Oxide/TiO _x Gas Barrier via an Interfacial Photocatalytic Reduction. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901318.	1.9	1
32	Efficient and photostable ternary organic solar cells with a narrow band gap non-fullerene acceptor and fullerene additive. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6682-6691.	5.2	37
33	Toward Visibly Transparent Organic Photovoltaic Cells Based on a Near-Infrared Harvesting Bulk Heterojunction Blend. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32764-32770.	4.0	40
34	Synthesis and characterization of π -bridged [A(DA ⁺ ND ⁻) ₂] based small molecules with potential optoelectronic application. <i>Synthetic Metals</i> , 2020, 261, 116307.	2.1	3
35	Highly stable inverted methylammonium lead tri-iodide perovskite solar cells achieved by surface re-crystallization. <i>Energy and Environmental Science</i> , 2020, 13, 840-847.	15.6	44
36	Organic Semiconductors: Reversible Polymorphic Transition and Hysteresis-Driven Phase Selectivity in Single-Crystalline C8-BTBT Rods (Small 3/2020). <i>Small</i> , 2020, 16, 2070017.	5.2	0

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37	Towards Efficient Integrated Perovskite/Organic Bulk Heterojunction Solar Cells: Interfacial Energetic Requirement to Reduce Charge Carrier Recombination Losses. <i>Advanced Functional Materials</i> , 2020, 30, 2001482.	7.8	43
38	Spirobifluorene-based non-fullerene acceptors for the environmentally benign process. <i>Dyes and Pigments</i> , 2020, 180, 108369.	2.0	4
39	Efficient Charge Carrier Injection and Balance Achieved by Low Electrochemical Doping in Solution-Processed Polymer Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2019, 29, 1904092.	7.8	18
40	p-Doping of organic hole transport layers in perovskite solar cells: correlating open-circuit voltage and photoluminescence quenching. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18971-18979.	5.2	55
41	Achieving Thickness-Insensitive Morphology of the Photoactive Layer for Printable Organic Photovoltaic Cells via Side Chain Engineering in Nonfullerene Acceptors. <i>Advanced Energy Materials</i> , 2019, 9, 1900044.	10.2	39
42	Origin of Open-Circuit Voltage Losses in Perovskite Solar Cells Investigated by Surface Photovoltage Measurement. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46808-46817.	4.0	66
43	A newly designed isoindigo/thiophene medium-sized molecule containing a D bridge with unexpected organic photovoltaic performance. <i>New Journal of Chemistry</i> , 2019, 43, 18126-18133.	1.4	9
44	Enhanced p-Type Work Function Tunability Induced by Electrostatic Molecular Alignment and Surface Coverage in Conjugated Small-Molecule Electrolyte. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2566-2573.	2.0	2
45	Synthesis and application of amine-containing conjugated small molecules for the automatic formation of an electron transporting layer via spontaneous phase separation from the bulk-heterojunction layer. <i>RSC Advances</i> , 2019, 9, 31867-31876.	1.7	2
46	Reinforcing the Built-in Field for Efficient Charge Collection in Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1705079.	7.8	23
47	Introducing paired electric dipole layers for efficient and reproducible perovskite solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 1742-1751.	15.6	76
48	High-performance, polymer-based direct cellular interfaces for electrical stimulation and recording. <i>NPG Asia Materials</i> , 2018, 10, 255-265.	3.8	65
49	Influence of PEDOT:PSS crystallinity and composition on electrochemical transistor performance and long-term stability. <i>Nature Communications</i> , 2018, 9, 3858.	5.8	276
50	Solution-processed ZnO/SnO ₂ bilayer ultraviolet phototransistor with high responsivity and fast photoresponse. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6014-6022.	2.7	28
51	High-efficiency large-area perovskite photovoltaic modules achieved via electrochemically assembled metal-filamentary nanoelectrodes. <i>Science Advances</i> , 2018, 4, eaat3604.	4.7	48
52	BODIPY-Based Conjugated Polymers for Use as Dopant-Free Hole Transporting Materials for Durable Perovskite Solar Cells: Selective Tuning of HOMO/LUMO Levels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23254-23262.	4.0	49
53	Highly Deformable and See-through Polymer Light-Emitting Diodes with All-Conducting Polymer Electrodes. <i>Advanced Materials</i> , 2018, 30, 1703437.	11.1	69
54	Achieving Large-Area Planar Perovskite Solar Cells by Introducing an Interfacial Compatibilizer. <i>Advanced Materials</i> , 2017, 29, 1606363.	11.1	153

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55	A Printable Organic Electron Transport Layer for Low-Temperature-Processed, Hysteresis-Free, and Stable Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700226.	10.2	46
56	Role of Polymeric Metal Nucleation Inducers in Fabricating Large-Area, Flexible, and Transparent Electrodes for Printable Electronics. <i>Advanced Functional Materials</i> , 2017, 27, 1606842.	7.8	45
57	Synthesis and organic field effect transistor properties of isoindigo/DPP-based polymers containing a thermolabile group. <i>RSC Advances</i> , 2017, 7, 16302-16310.	1.7	27
58	Highly Stretchable and Highly Conductive PEDOT:PSS/Ionic Liquid Composite Transparent Electrodes for Solution-Processed Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 819-826.	4.0	195
59	Effect of Processing Additives on Organic Photovoltaics: Recent Progress and Future Prospects. <i>Advanced Energy Materials</i> , 2017, 7, 1601496.	10.2	71
60	Bulk-Heterojunction Organic Solar Cells: Five Core Technologies for Their Commercialization. <i>Advanced Materials</i> , 2016, 28, 7821-7861.	11.1	404
61	Printable Photovoltaics: A Versatile Self-Organization Printing Method for Simplified Tandem Organic Photovoltaics (<i>Adv. Funct. Mater.</i> 21/2016). <i>Advanced Functional Materials</i> , 2016, 26, 3748-3748.	7.8	0
62	High-Performance Integrated Perovskite and Organic Solar Cells with Enhanced Fill Factors and Near-Infrared Harvesting. <i>Advanced Materials</i> , 2016, 28, 3159-3165.	11.1	84
63	Modification of a PEDOT:PSS hole transport layer for printed polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 153, 117-123.	3.0	31
64	Controlling Molecular Ordering in Aqueous Conducting Polymers Using Ionic Liquids. <i>Advanced Materials</i> , 2016, 28, 8625-8631.	11.1	149
65	Air-Stable Organic Solar Cells Using an Iodine-Free Solvent Additive. <i>Advanced Energy Materials</i> , 2016, 6, 1600970.	10.2	39
66	Optically transparent semiconducting polymer nanonetwork for flexible and transparent electronics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14261-14266.	3.3	67
67	A Versatile Self-Organization Printing Method for Simplified Tandem Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2016, 26, 3563-3569.	7.8	24
68	Achieving long-term stable perovskite solar cells via ion neutralization. <i>Energy and Environmental Science</i> , 2016, 9, 1258-1263.	15.6	279
69	Long-Term Stable Recombination Layer for Tandem Polymer Solar Cells Using Self-Doped Conducting Polymers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6144-6151.	4.0	34
70	A series connection architecture for large-area organic photovoltaic modules with a 7.5% module efficiency. <i>Nature Communications</i> , 2016, 7, 10279.	5.8	98
71	Radical Cation-Anion Coupling-Induced Work Function Tunability in Anionic Conjugated Polyelectrolytes. <i>Advanced Energy Materials</i> , 2015, 5, 1501292.	10.2	39
72	Organic Single-Crystal Semiconductor Films on a Millimeter Domain Scale. <i>Advanced Materials</i> , 2015, 27, 6870-6877.	11.1	59

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73	Localized surface plasmon-enhanced green quantum dot light-emitting diodes using gold nanoparticles. <i>RSC Advances</i> , 2015, 5, 19624-19629.	1.7	54
74	Highly Conductive All-Plastic Electrodes Fabricated Using a Novel Chemically Controlled Transfer-Printing Method. <i>Advanced Materials</i> , 2015, 27, 2317-2323.	11.1	239
75	Polymer Solar Cells: Simplified Tandem Polymer Solar Cells with an Ideal Self-Organized Recombination Layer (<i>Adv. Mater.</i> 8/2015). <i>Advanced Materials</i> , 2015, 27, 1468-1468.	11.1	1
76	A facile method to synthesize [A ² (D ² AD) ₂]-based push-pull small molecules for organic photovoltaics. <i>RSC Advances</i> , 2015, 5, 66005-66012.	1.7	21
77	Direct C-H arylation synthesis of (DD ² AD ² DA ²)-constituted alternating polymers with low bandgaps and their photovoltaic performance. <i>New Journal of Chemistry</i> , 2015, 39, 4957-4964.	1.4	15
78	Polymer-metal hybrid transparent electrodes for flexible electronics. <i>Nature Communications</i> , 2015, 6, 6503.	5.8	343
79	In situ studies of the molecular packing dynamics of bulk-heterojunction solar cells induced by the processing additive 1-chloronaphthalene. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7719-7726.	5.2	24
80	Simplified Tandem Polymer Solar Cells with an Ideal Self-Organized Recombination Layer. <i>Advanced Materials</i> , 2015, 27, 1408-1413.	11.1	111
81	Broad Work-Function Tunability of p-Type Conjugated Polyelectrolytes for Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401653.	10.2	59
82	Overcoming the Light-Soaking Problem in Inverted Polymer Solar Cells by Introducing a Heavily Doped Titanium Suboxide Functional Layer. <i>Advanced Energy Materials</i> , 2015, 5, 1401298.	10.2	49
83	Solar Cells: A Depletion-Free, Ionic, Self-Assembled Recombination Layer for Tandem Polymer Solar Cells (<i>Adv. Energy Mater.</i> 5/2014). <i>Advanced Energy Materials</i> , 2014, 4, .	10.2	1
84	A Depletion-Free, Ionic, Self-Assembled Recombination Layer for Tandem Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1301226.	10.2	28
85	Organic Solar Cells: Top-Down Approach for Nanophase Reconstruction in Bulk Heterojunction Solar Cells (<i>Adv. Mater.</i> 36/2014). <i>Advanced Materials</i> , 2014, 26, 6274-6274.	11.1	1
86	Photovoltaic Devices: A New Architecture for Printable Photovoltaics Overcoming Conventional Module Limits (<i>Adv. Mater.</i> 10/2014). <i>Advanced Materials</i> , 2014, 26, 1631-1631.	11.1	2
87	Organic Electronics: Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices (<i>Adv. Funct. Mater.</i> 13/2014). <i>Advanced Functional Materials</i> , 2014, 24, 1960-1960.	7.8	1
88	Efficient Charge Extraction in Thick Bulk Heterojunction Solar Cells through Infiltrated Diffusion Doping. <i>Advanced Energy Materials</i> , 2014, 4, 1301502.	10.2	17
89	Graphene-Conducting Polymer Hybrid Transparent Electrodes for Efficient Organic Optoelectronic Devices. <i>Advanced Functional Materials</i> , 2014, 24, 1847-1856.	7.8	76
90	Synthesis and characterization of isoindigo-based polymers using CH-arylation polycondensation reactions for organic photovoltaics. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2926-2933.	2.5	21

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91	Efficient planar-heterojunction perovskite solar cells achieved via interfacial modification of a sol-gel ZnO electron collection layer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17291-17296.	5.2	274
92	Template-mediated nano-crystallite networks in semiconducting polymers. <i>Nature Communications</i> , 2014, 5, 4183.	5.8	31
93	Multi-Charged Conjugated Polyelectrolytes as a Versatile Work Function Modifier for Organic Electronic Devices. <i>Advanced Functional Materials</i> , 2014, 24, 1100-1108.	7.8	170
94	Highly Conductive PEDOT:PSS Nanofibrils Induced by Solution-Processed Crystallization. <i>Advanced Materials</i> , 2014, 26, 2268-2272.	11.1	856
95	Role of the Side Chain in the Phase Segregation of Polymer:Fullerene Bulk Heterojunction Composites. <i>Advanced Energy Materials</i> , 2013, 3, 1575-1580.	10.2	25
96	Self-assembly of interfacial and photoactive layers via one-step solution processing for efficient inverted organic solar cells. <i>Nanoscale</i> , 2013, 5, 11587.	2.8	48
97	Thermally cross-linkable hole transporting polymer synthesized by living anionic polymerization for effective electron blocking and reduction of exciton quenching in multilayer polymer light emitting diodes. <i>Polymer Chemistry</i> , 2013, 4, 969-977.	1.9	33
98	Synthesis and properties of the conjugated polymers with indenoindene and benzimidazole units for organic photovoltaics. <i>Journal of Polymer Science Part A</i> , 2013, 51, 241-249.	2.5	14
99	Characteristics of light-induced electron transport from P3HT to ZnO-nanowire field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, 223305.	1.5	9
100	Biased internal potential distributions in a bulk-heterojunction organic solar cell incorporated with a TiO _x interlayer. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	26
101	Highly transparent polymer light-emitting diode using modified aluminum-doped zinc oxide top electrode. <i>Applied Physics Letters</i> , 2012, 100, 133306.	1.5	9
102	In-Depth Study on the Effect of Active-Area Scale-Down of Solution-Processed TiO_x . <i>IEEE Electron Device Letters</i> , 2012, 33, 869-871.	2.2	4
103	Role of Interchain Coupling in the Metallic State of Conducting Polymers. <i>Physical Review Letters</i> , 2012, 109, 106405.	2.9	201
104	Synergistic Effect of Processing Additives and Optical Spacers in Bulk-Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 1420-1424.	10.2	27
105	Homogeneous bulk heterojunction networks via surface energy matching at polymer/fullerene interfaces. <i>Applied Physics Letters</i> , 2012, 101, 083304.	1.5	10
106	Synthesis and characterization of polycyclopentaphenanthrene with carbazole or oxidiazole pendant units. <i>Polymer Journal</i> , 2012, 44, 347-352.	1.3	5
107	High-performance polymer tandem devices combining solar cell and light-emitting diode. <i>Solar Energy Materials and Solar Cells</i> , 2012, 107, 148-153.	3.0	10
108	Light-soaking issue in polymer solar cells: Photoinduced energy level alignment at the sol-gel processed metal oxide and indium tin oxide interface. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	112

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109	Electrostatically Self-Assembled Nonconjugated Polyelectrolytes as an Ideal Interfacial Layer for Inverted Polymer Solar Cells. <i>Advanced Materials</i> , 2012, 24, 3005-3009.	11.1	274
110	Organic Electronics: Electrostatically Self-Assembled Nonconjugated Polyelectrolytes as an Ideal Interfacial Layer for Inverted Polymer Solar Cells (<i>Adv. Mater.</i> 22/2012). <i>Advanced Materials</i> , 2012, 24, 2938-2938.	11.1	1
111	Large-Area, Transparent And Conductive Graphene Electrode For Bulk-Heterojunction Photovoltaic Devices. , 2011, , .		0
112	Color stability of conjugated polymer with difluoro groups in vinylene units. <i>Macromolecular Research</i> , 2011, 19, 753-756.	1.0	1
113	Synthesis and characterization of fluorene and cyclopentadithiophene-based copolymers exhibiting broad absorption for photovoltaic devices. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1248-1255.	2.5	9
114	Novel Film-Casting Method for High-Performance Flexible Polymer Electrodes. <i>Advanced Functional Materials</i> , 2011, 21, 487-493.	7.8	88
115	Flexible resistive random access memory using solution-processed TiO _x with Al top electrode on Ag layer-inserted indium-zinc-tin-oxide-coated polyethersulfone substrate. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	17
116	Introduction to the Issue on Next-Generation Organic and Hybrid Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1512-1513.	1.9	3
117	Synthesis and characterization of low-bandgap copolymers based on dihexylbenzimidazole and cyclopentadithiophene. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4567-4573.	2.5	23
118	Increased open-circuit voltage in bulk-heterojunction solar cells using a C60 derivative. <i>Applied Physics Letters</i> , 2010, 97, 193309.	1.5	18
119	A low-bandgap alternating copolymer containing the dimethylbenzimidazole moiety. <i>Journal of Materials Chemistry</i> , 2010, 20, 6517.	6.7	68
120	Synthesis and characterization of indeno[1,2-b]fluorene-based low bandgap copolymers for photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 1577.	6.7	45
121	Enhanced Performance of Fullerene Channel Field-Effect Transistors with Titanium Suboxide Injection Layer. <i>Advanced Functional Materials</i> , 2009, 19, 1459-1464.	7.8	85
122	Extended Lifetime of Organic Field-Effect Transistors Encapsulated with Titanium Suboxide as an Active™ Passivation/Barrier Layer. <i>Advanced Materials</i> , 2009, 21, 1941-1944.	11.1	92
123	Synthesis and characterization of indeno[1,2-b]fluorene-based white light-emitting copolymer. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3467-3479.	2.5	34
124	Synthesis of novel conjugated polymer based on cyclopenta[phenanthrene and vinylene with strong interchain interaction. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5068-5077.	2.5	1
125	Synthesis and characterization of polyfluorenevinylene with cyano group and carbazole unit. <i>Journal of Polymer Science Part A</i> , 2009, 47, 6540-6551.	2.5	19
126	Bulk heterojunction solar cells with internal quantum efficiency approaching 100%. <i>Nature Photonics</i> , 2009, 3, 297-302.	15.6	3,903

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127	Synthesis and Characterization of Novel Conjugated Polymer with 4H-Cyclopenta[def]phenanthrene and the Sulfanyl Group. <i>Polymer Journal</i> , 2009, 41, 138-145.	1.3	3
128	Syntheses and Characterization of the Alternating Polymers Based on Cyclopenta[def]phenanthrene Backbone with Spiro Group. <i>Polymer Journal</i> , 2009, 41, 1105-1110.	1.3	1
129	Improved properties of polyfluorenevinylenes by introduction of carbazole units. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4407-4419.	2.5	10
130	Processing Additives for Improved Efficiency from Bulk Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2008, 130, 3619-3623.	6.6	1,511
131	Effect of substituted side chain on donor-acceptor conjugated copolymers. <i>Applied Physics Letters</i> , 2008, 93, 263301.	1.5	64
132	Improved electron injection in polymer light-emitting diodes using anionic conjugated polyelectrolyte. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	34
133	Efficacy of TiO _x optical spacer in bulk-heterojunction solar cells processed with 1,8-octanedithiol. <i>Applied Physics Letters</i> , 2008, 92, 243308.	1.5	61
134	Efficient Tandem Polymer Solar Cells Fabricated by All-Solution Processing. <i>Science</i> , 2007, 317, 222-225.	6.0	3,142