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List of Publications by Year
in descending order

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		4641	7931
212	23,301	85	149
papers	citations	h-index	g-index

217	217	217	15579
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Molecular Weight on the Organic Electrochemical Transistor Performance of Ladderâ€Type Conjugated Polymers. Advanced Materials, 2022, 34, e2106235.	11.1	86
2	Amphiphilic Peptoidâ€Directed Assembly of Oligoanilines into Highly Crystalline Conducting Nanotubes. Macromolecular Rapid Communications, 2022, 43, e2100639.	2.0	5
3	On the Origin of Seebeck Coefficient Inversion in Highly Doped Conducting Polymers. Advanced Functional Materials, 2022, 32, .	7.8	18
4	Benzodithiophene-based wide-bandgap small-molecule donors for organic photovoltaics with large open-circuit voltages. Organic Electronics, 2021, 88, 105996.	1.4	5
5	Driving Force and Optical Signatures of Bipolaron Formation in Chemically Doped Conjugated Polymers. Advanced Materials, 2021, 33, e2000228.	11.1	21
6	Comparative Study of Selenophene- and Thiophene-Containing n-Type Semiconducting Polymers for High Performance All-Polymer Solar Cells. ACS Applied Polymer Materials, 2021, 3, 49-59.	2.0	9
7	Organic Semiconductors at the University of Washington: Advancements in Materials Design and Synthesis and toward Industrial Scale Production. Advanced Materials, 2021, 33, e1904239.	11.1	25
8	A high-conductivity n-type polymeric ink for printed electronics. Nature Communications, 2021, 12, 2354.	5.8	120
9	Designing High Performance Nonfullerene Electron Acceptors with Rylene Imides for Efficient Organic Photovoltaics. Chemistry of Materials, 2020, 32, 195-204.	3.2	32
10	Elucidating the impact of molecular weight on morphology, charge transport, photophysics and performance of all-polymer solar cells. Journal of Materials Chemistry A, 2020, 8, 21070-21083.	5.2	23
11	Effects of a Fluorinated Donor Polymer on the Morphology, Photophysics, and Performance of All-Polymer Solar Cells Based on Naphthalene Diimideâ€“Arylene Copolymer Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 16490-16502.	4.0	17
12	Ground-state electron transfer in all-polymer donorâ€“acceptor heterojunctions. Nature Materials, 2020, 19, 738-744.	13.3	111
13	New Random Copolymer Acceptors Enable Additive-Free Processing of 10.1% Efficient All-Polymer Solar Cells with Near-Unity Internal Quantum Efficiency. ACS Energy Letters, 2019, 4, 1162-1170.	8.8	134
14	Effects of ladder structure on the electronic properties and field-effect transistor performance of Poly(benzobisimidazobenzophenanthroline). Organic Electronics, 2019, 69, 301-307.	1.4	25
15	Preparation and application of polystyrene-grafted alumina core-shell nanoparticles for dielectric surface passivation in solution-processed polymer thin film transistors. Organic Electronics, 2019, 65, 305-310.	1.4	13
16	Barbiturate end-capped non-fullerene acceptors for organic solar cells: tuning acceptor energetics to suppress geminate recombination losses. Chemical Communications, 2018, 54, 2966-2969.	2.2	29
17	Color-Stable White Organic Light-Emitting Diodes Utilizing a Blue-Emitting Electron-Transport Layer. ACS Omega, 2018, 3, 12549-12553.	1.6	10
18	Low-Vapor-Pressure Solvent Additives Function as Polymer Swelling Agents in Bulk Heterojunction Organic Photovoltaics. Journal of Physical Chemistry C, 2018, 122, 16574-16588.	1.5	17

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19	Poly(naphthalene diimide-alt-bithiophene) Prepared by Direct (Hetero)arylation Polymerization for Efficient All-Polymer Solar Cells. Chemistry of Materials, 2018, 30, 5353-5361.	3.2	49
20	All-Polymer Solar Cells with 9.4% Efficiency from Naphthalene Diimide-Biselenophene Copolymer Acceptor. Chemistry of Materials, 2018, 30, 6540-6548.	3.2	88
21	Nonfullerene Polymer Solar Cells with 8.5% Efficiency Enabled by a New Highly Twisted Electron Acceptor Dimer. Advanced Materials, 2016, 28, 124-131.	11.1	250
22	Organic nonvolatile memory devices utilizing intrinsic charge-trapping phenomena in an n-type polymer semiconductor. Organic Electronics, 2016, 31, 104-110.	1.4	34
23	Ternary blend all-polymer solar cells: enhanced performance and evidence of parallel-like bulk heterojunction mechanism. MRS Communications, 2015, 5, 229-234.	0.8	27
24	Solar Cells: Fineâ€Tuning the 3D Structure of Nonfullerene Electron Acceptors Toward Highâ€Performance Polymer Solar Cells (Adv. Mater. 21/2015). Advanced Materials, 2015, 27, 3340-3340.	11.1	2
25	7.7% Efficient Allâ€Polymer Solar Cells. Advanced Materials, 2015, 27, 4578-4584.	11.1	414
26	Sequential Processing for Organic Photovoltaics: Design Rules for Morphology Control by Tailored Semiâ€Orthogonal Solvent Blends. Advanced Energy Materials, 2015, 5, 1402020.	10.2	82
27	Polyethylenimine Interfacial Layers in Inverted Organic Photovoltaic Devices: Effects of Ethoxylation and Molecular Weight on Efficiency and Temporal Stability. ACS Applied Materials & Interfaces, 2015, 7, 26167-26175.	4.0	70
28	Bis(Naphthalene Imide)diphenylanthrazolines: A New Class of Electron Acceptors for Efficient Nonfullerene Organic Solar Cells and Applicable to Multiple Donor Polymers. Advanced Energy Materials, 2015, 5, 1402041.	10.2	48
29	Polymer/Polymer Blend Solar Cells Using Tetraazabenzodifluoranthene Diimide Conjugated Polymers as Electron Acceptors. Macromolecules, 2015, 48, 1759-1766.	2.2	39
30	n-Type Semiconducting Naphthalene Diimide-Perylene Diimide Copolymers: Controlling Crystallinity, Blend Morphology, and Compatibility Toward High-Performance All-Polymer Solar Cells. Journal of the American Chemical Society, 2015, 137, 4424-4434.	6.6	374
31	Fineâ€Tuning the 3D Structure of Nonfullerene Electron Acceptors Toward Highâ€Performance Polymer Solar Cells. Advanced Materials, 2015, 27, 3266-3272.	11.1	158
32	Annealing temperature dependence of the efficiency and vertical phase segregation of polymer/polymer bulk heterojunction photovoltaic cells. Applied Physics Letters, 2014, 104, .	1.5	22
33	The effects of Ta₂O₅â€“ZnO films as cathodic buffer layers in inverted polymer solar cells. Journal of Materials Chemistry A, 2014, 2, 9361-9370.	5.2	33
34	New sulfone-based electron-transport materials with high triplet energy for highly efficient blue phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 10129-10137.	2.7	31
35	Naphthobisthiazole diimide-based n-type polymer semiconductors: synthesis, Ï€-stacking, field-effect charge transport, and all-polymer solar cells. Polymer Chemistry, 2014, 5, 5707.	1.9	25
36	Beyond Fullerenes: Design of Nonfullerene Acceptors for Efficient Organic Photovoltaics. Journal of the American Chemical Society, 2014, 136, 14589-14597.	6.6	213

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37	Side chain engineering of n-type conjugated polymer enhances photocurrent and efficiency of all-polymer solar cells. Chemical Communications, 2014, 50, 10801.	2.2	62
38	Allâ€Polymer Bulk Heterojuction Solar Cells with 4.8% Efficiency Achieved by Solution Processing from a Coâ€Solvent. Advanced Materials, 2014, 26, 6080-6085.	11.1	161
39	Thiazolothiazole Donorâ€“Acceptor Conjugated Polymer Semiconductors for Photovoltaic Applications. Macromolecules, 2014, 47, 4199-4209.	2.2	35
40	Photoinduced Hole Transfer Becomes Suppressed with Diminished Driving Force in Polymerâ€Fullerene Solar Cells While Electron Transfer Remains Active. Advanced Functional Materials, 2013, 23, 1238-1249.	7.8	101
41	Charge Photogeneration for a Series of Thiazoloâ€Thiazole Donor Polymers Blended with the Fullerene Electron Acceptors PCBM and ICBA. Advanced Functional Materials, 2013, 23, 3286-3298.	7.8	155
42	New n-type polymer semiconductors based on naphthalene diimide and selenophene derivatives for organic field-effect transistors. Polymer Chemistry, 2013, 4, 3187.	1.9	73
43	Conjugated polymers. Polymer Chemistry, 2013, 4, 5142.	1.9	16
44	Highâ€Performance nâ€Channel Thinâ€Film Fieldâ€Effect Transistors Based on a Nanowireâ€Forming Polymer. Advanced Functional Materials, 2013, 23, 2060-2071.	7.8	44
45	All-Polymer Solar Cells with 3.3% Efficiency Based on Naphthalene Diimide-Selenophene Copolymer Acceptor. Journal of the American Chemical Society, 2013, 135, 14960-14963.	6.6	363
46	High-Mobility n-Type Conjugated Polymers Based on Electron-Deficient Tetraazabenzodifluoranthene Diimide for Organic Electronics. Journal of the American Chemical Society, 2013, 135, 14920-14923.	6.6	140
47	Hole Transfer from Low Band Gap Quantum Dots to Conjugated Polymers in Organic/Inorganic Hybrid Photovoltaics. Journal of Physical Chemistry Letters, 2013, 4, 280-284.	2.1	38
48	Charge generation and energy transfer in hybrid polymer/infrared quantum dot solar cells. Energy and Environmental Science, 2013, 6, 769.	15.6	51
49	Tetraazabenzodifluoranthene Diimides: Building Blocks for Solutionâ€Processable nâ€Type Organic Semiconductors. Angewandte Chemie - International Edition, 2013, 52, 5513-5517.	7.2	154
50	Modification of PCBM Crystallization via Incorporation of C₆₀ in Polymer/Fullerene Solar Cells. Advanced Functional Materials, 2013, 23, 514-522.	7.8	68
51	Improved electron injection and transport by use of baking soda as a low-cost, air-stable, n-dopant for solution-processed phosphorescent organic light-emitting diodes. Applied Physics Letters, 2013, 102, 233305.	1.5	12
52	Nanowires of oligothiophene-functionalized naphthalene diimides: self assembly, morphology, and all-nanowire bulk heterojunction solar cells. Journal of Materials Chemistry, 2012, 22, 24373.	6.7	47
53	n-Type Naphthalene Diimideâ€“Biselenophene Copolymer for All-Polymer Bulk Heterojunction Solar Cells. Macromolecules, 2012, 45, 9056-9062.	2.2	123
54	Charge Transport in Poly(3-butylthiophene) Nanowires and Their Nanocomposites with an Insulating Polymer. Macromolecules, 2012, 45, 7514-7519.	2.2	44

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55	High Mobility Thiazoleâ€“Diketopyrrolopyrrole Copolymer Semiconductors for High Performance Field-Effect Transistors and Photovoltaic Devices. Macromolecules, 2012, 45, 9029-9037.	2.2	70
56	Enhanced Open Circuit Voltage and Efficiency of Donorâ€“Acceptor Copolymer Solar Cells by Using Indene-C60 Bisadduct. Chemistry of Materials, 2012, 24, 1995-2001.	3.2	100
57	New Thienothiadiazole-Based Conjugated Copolymers for Electronics and Optoelectronics. Macromolecules, 2012, 45, 3732-3739.	2.2	41
58	High-performance multilayered phosphorescent OLEDs by solution-processed commercial electron-transport materials. Journal of Materials Chemistry, 2012, 22, 4660.	6.7	79
59	Solutionâ€Processed, Alkali Metalâ€Saltâ€Doped, Electronâ€Transport Layers for Highâ€Performance Phosphorescent Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2012, 22, 5126-5136.	7.8	89
60	Efficient Phthalimide Copolymerâ€Based Bulk Heterojunction Solar Cells: How the Processing Additive Influences Nanoscale Morphology and Photovoltaic Properties. Advanced Energy Materials, 2012, 2, 575-582.	10.2	60
61	Naphthalene Diimide-Based Polymer Semiconductors: Synthesis, Structureâ€“Property Correlations, and n-Channel and Ambipolar Field-Effect Transistors. Chemistry of Materials, 2012, 24, 1434-1442.	3.2	237
62	Synthesis of Oligoquinoline Dendronized Fullerenes for Potential Use in Organic Photovoltaic Devices. Bulletin of the Korean Chemical Society, 2012, 33, 2703-2706.	1.0	1
63	Design of New Electron Acceptor Materials for Organic Photovoltaics: Synthesis, Electron Transport, Photophysics, and Photovoltaic Properties of Oligothiophene-Functionalized Naphthalene Diimides. Chemistry of Materials, 2011, 23, 4563-4577.	3.2	171
64	Solar Cells Based on Block Copolymer Semiconductor Nanowires: Effects of Nanowire Aspect Ratio. ACS Nano, 2011, 5, 376-384.	7.3	121
65	Overcoming excitonic bottleneck in organic solar cells: electronic structure and spectra of novel semiconducting donorâ€“acceptor block copolymers. Physical Chemistry Chemical Physics, 2011, 13, 7630.	1.3	14
66	Dithienopyrroleâ€“quinoxaline/pyridopyrazine donorâ€“acceptor polymers: synthesis and electrochemical, optical, charge-transport, and photovoltaic properties. Journal of Materials Chemistry, 2011, 21, 4971.	6.7	54
67	Photoinduced Charge Transfer and Polaron Dynamics in Polymer and Hybrid Photovoltaic Thin Films: Organic vs Inorganic Acceptors. Journal of Physical Chemistry C, 2011, 115, 24403-24410.	1.5	74
68	New Poly(arylene vinylene)s Based on Diketopyrrolopyrrole for Ambipolar Transistors. Chemistry of Materials, 2011, 23, 4618-4624.	3.2	70
69	New Thiazolothiazole Copolymer Semiconductors for Highly Efficient Solar Cells. Macromolecules, 2011, 44, 6245-6248.	2.2	72
70	n-Channel polymer thin film transistors with long-term air-stability and durability and their use in complementary inverters. Journal of Materials Chemistry, 2011, 21, 16461.	6.7	59
71	Mesoscale Morphology and Charge Transport in Colloidal Networks of Poly(3-hexylthiophene). Macromolecules, 2011, 44, 3801-3809.	2.2	81
72	Benzobisthiazole-Based Donorâ€“Acceptor Copolymer Semiconductors for Photovoltaic Cells and Highly Stable Field-Effect Transistors. Macromolecules, 2011, 44, 7207-7219.	2.2	101

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73	Thieno[3,4-c]pyrrole-4,6-dione-Based Donorâ^'Acceptor Conjugated Polymers for Solar Cells. Macromolecules, 2011, 44, 269-277.	2.2	127
74	One-Dimensional Nanostructures of Ï€-Conjugated Molecular Systems: Assembly, Properties, and Applications from Photovoltaics, Sensors, and Nanophotonics to Nanoelectronics. Chemistry of Materials, 2011, 23, 682-732.	3.2	617
75	New Solutionâ€Processable Electron Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. Advanced Functional Materials, 2011, 21, 3889-3899.	7.8	98
76	Effects of Side Chains on Thiazolothiazoleâ€Based Copolymer Semiconductors for High Performance Solar Cells. Advanced Energy Materials, 2011, 1, 854-860.	10.2	183
77	Nonâ€Fullerene Acceptorâ€Based Bulk Heterojunction Polymer Solar Cells: Engineering the Nanomorphology via Processing Additives. Advanced Energy Materials, 2011, 1, 946-953.	10.2	161
78	Enhanced carrier mobility and electrical stability of n-channel polymer thin film transistors by use of low-k dielectric buffer layer. Applied Physics Letters, 2011, 99, .	1.5	30
79	The effect of quantum dot ligand treatements on polaron lifetime and photovoltaic device performance. , 2011, , .		0
80	Highâ€mobility Ambipolar Transistors and Highâ€gain Inverters from a Donorâ€"Acceptor Copolymer Semiconductor. Advanced Materials, 2010, 22, 478-482.	11.1	284
81	Solutionâ€Processed Highly Efficient Blue Phosphorescent Polymer Lightâ€Emitting Diodes Enabled by a New Electron Transport Material. Advanced Materials, 2010, 22, 4744-4748.	11.1	110
82	Poly(3â€hexylthiophene)â€bâ€poly(3â€cyclohexylthiophene): Synthesis, microphase separation, thin film transistors, and photovoltaic applications. Journal of Polymer Science Part A, 2010, 48, 614-626.	2.5	60
83	Regioregular poly(3â€alkanoylthiophene): Synthesis and electrochemical, photophysical, charge transport, and photovoltaic properties. Journal of Polymer Science Part A, 2010, 48, 4681-4690.	2.5	21
84	Nanostructure determines the intensity-dependence of open-circuit voltage in plastic solar cells. Journal of Applied Physics, 2010, 108, 084320.	1.1	19
85	Air-Stable Ambipolar Field-Effect Transistors and Complementary Logic Circuits from Solution-Processed n/p Polymer Heterojunctions. ACS Applied Materials & Interfaces, 2010, 2, 2974-2977.	4.0	46
86	Novel n-Type Conjugated Ladder Heteroarenes: Synthesis, Self-Assembly of Nanowires, Electron Transport, and Electroluminescence of Bisindenoanthrazolines. Chemistry of Materials, 2010, 22, 5786-5796.	3.2	40
87	Polymer Nanowire/Fullerene Bulk Heterojunction Solar Cells: How Nanostructure Determines Photovoltaic Properties. ACS Nano, 2010, 4, 1861-1872.	7.3	170
88	Enhanced Performance of Bulk Heterojunction Solar Cells Using Block Copoly(3-alkylthiophene)s. Chemistry of Materials, 2010, 22, 2020-2026.	3.2	97
89	Crystalline Random Conjugated Copolymers with Multiple Side Chains: Tunable Intermolecular Interactions and Enhanced Charge Transport and Photovoltaic Properties. Macromolecules, 2010, 43, 3306-3313.	2.2	81
90	Organometallic Donorâ^'Acceptor Conjugated Polymer Semiconductors: Tunable Optical, Electrochemical, Charge Transport, and Photovoltaic Properties. Macromolecules, 2009, 42, 671-681.	2.2	135

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91	The Role of Mesoscopic PCBM Crystallites in Solvent Vapor Annealed Copolymer Solar Cells. ACS Nano, 2009, 3, 627-636.	7.3	140
92	Phthalimide-Based Polymers for High Performance Organic Thin-Film Transistors. Journal of the American Chemical Society, 2009, 131, 7206-7207.	6.6	243
93	Highly Efficient Phosphorescent Light-Emitting Diodes by Using an Electron-Transport Material with High Electron Affinity. Journal of Physical Chemistry C, 2009, 113, 18448-18450.	1.5	25
94	Regioregular Poly(3-pentylthiophene): Synthesis, Self-Assembly of Nanowires, High-Mobility Field-Effect Transistors, and Efficient Photovoltaic Cells. Macromolecules, 2009, 42, 8817-8826.	2.2	178
95	Benzobisthiazoleâ^'Thiophene Copolymer Semiconductors: Synthesis, Enhanced Stability, Field-Effect Transistors, and Efficient Solar Cells. Macromolecules, 2009, 42, 8615-8618.	2.2	105
96	Efficient solar cells based on a new phthalimide-based donorâ€“acceptor copolymer semiconductor: morphology, charge-transport, and photovoltaic properties. Journal of Materials Chemistry, 2009, 19, 5303.	6.7	100
97	Crystalline Diblock Conjugated Copolymers: Synthesis, Self-Assembly, and Microphase Separation of Poly(3-butylthiophene)-b-poly(3-octylthiophene). Macromolecules, 2009, 42, 2317-2320.	2.2	190
98	Polydisperse Aggregates of ZnO Nanocrystallites: A Method for Energyâ€Conversionâ€Efficiency Enhancement in Dyeâ€Sensitized Solar Cells. Advanced Functional Materials, 2008, 18, 1654-1660.	7.8	278
99	A fast mover with a bright spark. Nature Materials, 2008, 7, 354-355.	13.3	23
100	New Didecyloxyphenyleneâ^'Acceptor Alternating Conjugated Copolymers: Synthesis, Properties, and Optoelectronic Device Applications. Macromolecules, 2008, 41, 6952-6959.	2.2	69
101	New Ambipolar Organic Semiconductors. 1. Synthesis, Single-Crystal Structures, Redox Properties, and Photophysics of Phenoxazine-Based Donorâ^'Acceptor Molecules. Chemistry of Materials, 2008, 20, 4200-4211.	3.2	67
102	New Ambipolar Organic Semiconductors. 2. Effects of Electron Acceptor Strength on Intramolecular Charge Transfer Photophysics, Highly Efficient Electroluminescence, and Field-Effect Charge Transport of Phenoxazine-Based Donorâ^'Acceptor Materials. Chemistry of Materials, 2008, 20, 4212-4223.	3.2	106
103	Adding new functions to organic semiconductor nanowires by assembling metal nanoparticles onto their surfaces. Journal of Materials Chemistry, 2008, 18, 5395.	6.7	40
104	Photodegradation of Emissive Conjugated Copolymers and Oligomers Containing Thienopyrazine. Macromolecules, 2008, 41, 339-345.	2.2	18
105	Bulk Heterojunction Solar Cells from Poly(3-butylthiophene)/Fullerene Blends: In Situ Self-Assembly of Nanowires, Morphology, Charge Transport, and Photovoltaic Properties. Chemistry of Materials, 2008, 20, 6199-6207.	3.2	154
106	Block Co-oligomers for Organic Electronics and Optoelectronics: Synthesis, Photophysics, Electroluminescence, and Field-Effect Charge Transport of Oligothiophene-b-oligoquinoline-b-oligothiophene Triblock Co-oligomers. Macromolecules, 2008, 41, 3588-3597.	2.2	25
107	Highly Efficient Solar Cells Based on Poly(3-butylthiophene) Nanowires. Journal of the American Chemical Society, 2008, 130, 5424-5425.	6.6	333
108	Self-Assembly, Molecular Packing, and Electron Transport in n-Type Polymer Semiconductor Nanobelts. Chemistry of Materials, 2008, 20, 4712-4719.	3.2	159

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109	Conjugated Donorâ^'Acceptor Copolymer Semiconductors. Synthesis, Optical Properties, Electrochemistry, and Field-Effect Carrier Mobility of Pyridopyrazine-Based Copolymers. Macromolecules, 2008, 41, 7021-7028.	2.2	105
110	Self-Assembly of Polypeptide/Ï€-Conjugated Polymer/Polypeptide Triblock Copolymers in Rodâ^'Rodâ^'Rod and Coilâ^'Rodâ^'Coil Conformations. Macromolecules, 2008, 41, 1846-1852.	2.2	74
111	Chemical Modification on Hierarchically Structured ZnO Films for Energy Conversion Efficiency Enhancement of Dye-Sensitized Solar Cells. Materials Research Society Symposia Proceedings, 2008, 1102, 1.	0.1	0
112	Fabrication of Field-Effect Transistors from Hexathiapentacene Single-Crystal Nanowires. Nano Letters, 2007, 7, 668-675.	4.5	272
113	Perylenediimide Nanowires and Their Use in Fabricating Field-Effect Transistors and Complementary Inverters. Nano Letters, 2007, 7, 2847-2853.	4.5	410
114	Polyfluorenes Containing Dibenzo[a,c]phenazine Segments:Â Synthesis and Efficient Blue Electroluminescence from Intramolecular Charge Transfer States. Macromolecules, 2007, 40, 804-813.	2.2	73
115	High-Efficiency Electroluminescence from New Blue-Emitting Oligoquinolines Bearing Pyrenyl or Triphenyl Endgroups. Journal of Physical Chemistry C, 2007, 111, 6875-6882.	1.5	40
116	Synthesis and electro-optical properties of spiro-bifluorenylvinylene-based polymers for light-emitting diodes applications. Journal of Materials Chemistry, 2006, 16, 4123.	6.7	8
117	Conjugated Donorâ^'Acceptor Copolymer Semiconductors with Large Intramolecular Charge Transfer:â€‰ Synthesis, Optical Properties, Electrochemistry, and Field Effect Carrier Mobility of Thienopyrazine-Based Copolymers. Macromolecules, 2006, 39, 8712-8719.	2.2	355
118	n-Type Conjugated Oligoquinoline and Oligoquinoxaline with Triphenylamine Endgroups:Â Efficient Ambipolar Light Emitters for Device Applications. Chemistry of Materials, 2006, 18, 4924-4932.	3.2	172
119	Electronic structure and properties of alternating donorâ€“acceptor conjugated copolymers: 3,4-Ethylenedioxythiophene (EDOT) copolymers and model compounds. Polymer, 2006, 47, 699-708.	1.8	87
120	Binary Blends of Polymer Semiconductors: Nanocrystalline Morphology Retards Energy Transfer and Facilitates Efficient White Electroluminescence. Macromolecular Rapid Communications, 2006, 27, 2053-2059.	2.0	36
121	New Silicon-Containing Polyquinolines: Synthesis, Characterization, and Electroluminescence. Macromolecular Chemistry and Physics, 2005, 206, 1271-1279.	1.1	10
122	Electronic Properties and Field-Effect Transistors of Thiophene-Based Donor-Acceptor Conjugated Copolymers. Macromolecular Rapid Communications, 2005, 26, 1835-1840.	2.0	71
123	Spin coating of conjugated polymers for electronic and optoelectronic applications. Thin Solid Films, 2005, 479, 254-260.	0.8	102
124	Efficient blue organic light-emitting diodes based on an oligoquinoline. Applied Physics Letters, 2005, 86, 061106.	1.5	70
125	Quinoxaline-Containing Polyfluorenes:Â Synthesis, Photophysics, and Stable Blue Electroluminescence. Macromolecules, 2005, 38, 1553-1563.	2.2	189
126	A New Synthetic Route to Soluble Polyquinolines with Tunable Photophysical, Redox, and Electroluminescent Properties. Macromolecules, 2005, 38, 9539-9547.	2.2	58

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127	Phenothiazine-Phenylquinoline Donorâ^'Acceptor Molecules:Â Effects of Structural Isomerism on Charge Transfer Photophysics and Electroluminescence. Journal of Physical Chemistry B, 2005, 109, 19584-19594.	1.2	109
128	Alkyl chain length dependence of the field-effect carrier mobility in regioregular poly(3-alkylthiophene)s. Synthetic Metals, 2005, 148, 169-173.	2.1	165
129	Electrospun Nanofibers of Blends of Conjugated Polymers:Â Morphology, Optical Properties, and Field-Effect Transistors. Macromolecules, 2005, 38, 4705-4711.	2.2	224
130	New Thiophene-Linked Conjugated Poly(azomethine)s:Â Theoretical Electronic Structure, Synthesis, and Properties. Macromolecules, 2005, 38, 1958-1966.	2.2	208
131	Chlorophyll-layer-inserted poly(3-hexyl-thiophene) solar cell having a high light-to-current conversion efficiency up to 1.48%. Applied Physics Letters, 2005, 87, 123102.	1.5	34
132	Phenoxazine-Based Conjugated Polymers:â€‰ A New Class of Organic Semiconductors for Field-Effect Transistors. Macromolecules, 2005, 38, 7983-7991.	2.2	65
133	Chromogenic Effects in Polymers: An Overview of the Diverse Ways of Tuning Optical Properties in Real Time. ACS Symposium Series, 2004, , 2-15.	0.5	6
134	New poly(p-phenylene vinylene) derivatives with two oxadiazole rings per repeat unit: Synthesis, photophysical properties, electroluminescence, and metal ion recognition. Journal of Polymer Science Part A, 2004, 42, 2112-2123.	2.5	30
135	Poly(pyrazinoquinoxaline)s: Newn-Type Conjugated Polymers That Exhibit Highly Reversible Reduction and High Electron Affinity. Macromolecular Rapid Communications, 2004, 25, 1829-1834.	2.0	24
136	New Soluble n-Type Conjugated Polymers for Use as Electron Transport Materials in Light-Emitting Diodes. Macromolecules, 2004, 37, 3554-3563.	2.2	105
137	n-Type Conjugated Dendrimers:â€‰ Convergent Synthesis, Photophysics, Electroluminescence, and Use as Electron-Transport Materials for Light-Emitting Diodes. Chemistry of Materials, 2004, 16, 4657-4666.	3.2	148
138	Morphology and Field-Effect Mobility of Charge Carriers in Binary Blends of Poly(3-hexylthiophene) with Poly[2-methoxy-5-(2-ethylhexoxy)-1,4-phenylenevinylene] and Polystyrene. Macromolecules, 2004, 37, 9835-9840.	2.2	115
139	Fluorenone-Containing Polyfluorenes and Oligofluorenes:Â Photophysics, Origin of the Green Emission and Efficient Green Electroluminescenceâ€. Journal of Physical Chemistry B, 2004, 108, 8689-8701.	1.2	207
140	Efficient Solar Cells from Layered Nanostructures of Donor and Acceptor Conjugated Polymers. Chemistry of Materials, 2004, 16, 4647-4656.	3.2	276
141	Voltage-Tunable Multicolor Electroluminescence from Single-Layer Polymer Blends and Bilayer Polymer Films. ACS Symposium Series, 2004, , 188-200.	0.5	1
142	Electrochromic Devices Based on Ladder Polymer and Phenothiazine-Quinoline Copolymer Films. ACS Symposium Series, 2004, , 34-50.	0.5	0
143	Electron Transport Materials for Organic Light-Emitting Diodes. Chemistry of Materials, 2004, 16, 4556-4573.	3.2	1,519
144	Field-Effect Mobility of Charge Carriers in Blends of Regioregular Poly(3-alkylthiophene)s. Journal of Physical Chemistry B, 2003, 107, 1749-1754.	1.2	100

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