

# Samson A Jenekhe

## List of Publications by Year in descending order

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212  
papers

23,301  
citations

5430

85  
h-index

9118

149  
g-index

217  
all docs

217  
docs citations

217  
times ranked

17904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Molecular Weight on the Organic Electrochemical Transistor Performance of Ladder-Type Conjugated Polymers. <i>Advanced Materials</i> , 2022, 34, e2106235.	11.1	86
2	Amphiphilic Peptoid-Directed Assembly of Oligoanilines into Highly Crystalline Conducting Nanotubes. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100639.	2.0	5
3	On the Origin of Seebeck Coefficient Inversion in Highly Doped Conducting Polymers. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	18
4	Benzodithiophene-based wide-bandgap small-molecule donors for organic photovoltaics with large open-circuit voltages. <i>Organic Electronics</i> , 2021, 88, 105996.	1.4	5
5	Driving Force and Optical Signatures of Bipolaron Formation in Chemically Doped Conjugated Polymers. <i>Advanced Materials</i> , 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. <i>ACS Applied Polymer Materials</i> , 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. <i>Advanced Materials</i> , 2021, 33, e1904239.	11.1	25
8	A high-conductivity n-type polymeric ink for printed electronics. <i>Nature Communications</i> , 2021, 12, 2354.	5.8	120
9	Designing High Performance Nonfullerene Electron Acceptors with Rylene Imides for Efficient Organic Photovoltaics. <i>Chemistry of Materials</i> , 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. <i>Journal of Materials Chemistry A</i> , 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 Diimide-Arylene Copolymer Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16490-16502.	4.0	17
12	Ground-state electron transfer in all-polymer donor-acceptor heterojunctions. <i>Nature Materials</i> , 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. <i>ACS Energy Letters</i> , 2019, 4, 1162-1170.	8.8	134
14	Effects of ladder structure on the electronic properties and field-effect transistor performance of Poly(benzobisimidazobenzophenanthroline). <i>Organic Electronics</i> , 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. <i>Organic Electronics</i> , 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. <i>Chemical Communications</i> , 2018, 54, 2966-2969.	2.2	29
17	Color-Stable White Organic Light-Emitting Diodes Utilizing a Blue-Emitting Electron-Transport Layer. <i>ACS Omega</i> , 2018, 3, 12549-12553.	1.6	10
18	Low-Vapor-Pressure Solvent Additives Function as Polymer Swelling Agents in Bulk Heterojunction Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16574-16588.	1.5	17

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19	Poly(naphthalene diimide- <i>bithiophene</i> ) Prepared by Direct (Hetero)arylation Polymerization for Efficient All-Polymer Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 5353-5361.	3.2	49
20	All-Polymer Solar Cells with 9.4% Efficiency from Naphthalene Diimide-Biselenophene Copolymer Acceptor. <i>Chemistry of Materials</i> , 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. <i>Advanced Materials</i> , 2016, 28, 124-131.	11.1	250
22	Organic nonvolatile memory devices utilizing intrinsic charge-trapping phenomena in an n-type polymer semiconductor. <i>Organic Electronics</i> , 2016, 31, 104-110.	1.4	34
23	Ternary blend all-polymer solar cells: enhanced performance and evidence of parallel-like bulk heterojunction mechanism. <i>MRS Communications</i> , 2015, 5, 229-234.	0.8	27
24	Solar Cells: Fine-Tuning the 3D Structure of Nonfullerene Electron Acceptors Toward High-Performance Polymer Solar Cells ( <i>Adv. Mater.</i> 21/2015). <i>Advanced Materials</i> , 2015, 27, 3340-3340.	11.1	2
25	7.7% Efficient All-Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4578-4584.	11.1	414
26	Sequential Processing for Organic Photovoltaics: Design Rules for Morphology Control by Tailored Semi-Orthogonal Solvent Blends. <i>Advanced Energy Materials</i> , 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. <i>ACS Applied Materials &amp; Interfaces</i> , 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. <i>Advanced Energy Materials</i> , 2015, 5, 1402041.	10.2	48
29	Polymer/Polymer Blend Solar Cells Using Tetraazabenzodifluoranthene Diimide Conjugated Polymers as Electron Acceptors. <i>Macromolecules</i> , 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. <i>Journal of the American Chemical Society</i> , 2015, 137, 4424-4434.	6.6	374
31	Fine-Tuning the 3D Structure of Nonfullerene Electron Acceptors Toward High-Performance Polymer Solar Cells. <i>Advanced Materials</i> , 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. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	22
33	The effects of Ta <sub>2</sub> O <sub>5</sub> ZnO films as cathodic buffer layers in inverted polymer solar cells. <i>Journal of Materials Chemistry A</i> , 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. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10129-10137.	2.7	31
35	Naphthobisthiazole diimide-based n-type polymer semiconductors: synthesis, $\pi$ -stacking, field-effect charge transport, and all-polymer solar cells. <i>Polymer Chemistry</i> , 2014, 5, 5707.	1.9	25
36	Beyond Fullerenes: Design of Nonfullerene Acceptors for Efficient Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 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. <i>Chemical Communications</i> , 2014, 50, 10801.	2.2	62
38	All-Polymer Bulk Heterojunction Solar Cells with 4.8% Efficiency Achieved by Solution Processing from a Co-solvent. <i>Advanced Materials</i> , 2014, 26, 6080-6085.	11.1	161
39	Thiazolothiazole Donor-Acceptor Conjugated Polymer Semiconductors for Photovoltaic Applications. <i>Macromolecules</i> , 2014, 47, 4199-4209.	2.2	35
40	Photoinduced Hole Transfer Becomes Suppressed with Diminished Driving Force in Polymer-Fullerene Solar Cells While Electron Transfer Remains Active. <i>Advanced Functional Materials</i> , 2013, 23, 1238-1249.	7.8	101
41	Charge Photogeneration for a Series of Thiazolo-Thiazole Donor Polymers Blended with the Fullerene Electron Acceptors PCBM and ICBA. <i>Advanced Functional Materials</i> , 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. <i>Polymer Chemistry</i> , 2013, 4, 3187.	1.9	73
43	Conjugated polymers. <i>Polymer Chemistry</i> , 2013, 4, 5142.	1.9	16
44	High-Performance Channel Thin-Film Field-Effect Transistors Based on a Nanowire-Forming Polymer. <i>Advanced Functional Materials</i> , 2013, 23, 2060-2071.	7.8	44
45	All-Polymer Solar Cells with 3.3% Efficiency Based on Naphthalene Diimide-Selenophene Copolymer Acceptor. <i>Journal of the American Chemical Society</i> , 2013, 135, 14960-14963.	6.6	363
46	High-Mobility n-Type Conjugated Polymers Based on Electron-Deficient Tetraazabenzodifluoranthene Diimide for Organic Electronics. <i>Journal of the American Chemical Society</i> , 2013, 135, 14920-14923.	6.6	140
47	Hole Transfer from Low Band Gap Quantum Dots to Conjugated Polymers in Organic/Inorganic Hybrid Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 280-284.	2.1	38
48	Charge generation and energy transfer in hybrid polymer/infrared quantum dot solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 769.	15.6	51
49	Tetraazabenzodifluoranthene Diimides: Building Blocks for Solution-Processable n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5513-5517.	7.2	154
50	Modification of PCBM Crystallization via Incorporation of C <sub>60</sub> in Polymer/Fullerene Solar Cells. <i>Advanced Functional Materials</i> , 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. <i>Applied Physics Letters</i> , 2013, 102, 233305.	1.5	12
52	Nanowires of oligothiophene-functionalized naphthalene diimides: self assembly, morphology, and all-nanowire bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 24373.	6.7	47
53	n-Type Naphthalene Diimide-Biselenophene Copolymer for All-Polymer Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2012, 45, 9056-9062.	2.2	123
54	Charge Transport in Poly(3-butylthiophene) Nanowires and Their Nanocomposites with an Insulating Polymer. <i>Macromolecules</i> , 2012, 45, 7514-7519.	2.2	44

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

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73	Thieno[3,4- <i>c</i> ]pyrrole-4,6-dione-Based Donor-Acceptor Conjugated Polymers for Solar Cells. <i>Macromolecules</i> , 2011, 44, 269-277.	2.2	127
74	One-Dimensional Nanostructures of $\pi$ -Conjugated Molecular Systems: Assembly, Properties, and Applications from Photovoltaics, Sensors, and Nanophotonics to Nanoelectronics. <i>Chemistry of Materials</i> , 2011, 23, 682-732.	3.2	617
75	New Solution-Processable Electron Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. <i>Advanced Functional Materials</i> , 2011, 21, 3889-3899.	7.8	98
76	Effects of Side Chains on Thiazolothiazole-Based Copolymer Semiconductors for High Performance Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 854-860.	10.2	183
77	Non-Fullerene Acceptor-Based Bulk Heterojunction Polymer Solar Cells: Engineering the Nanomorphology via Processing Additives. <i>Advanced Energy Materials</i> , 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. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	30
79	The effect of quantum dot ligand treatments on polaron lifetime and photovoltaic device performance. , 2011, , .		0
80	High-Mobility Ambipolar Transistors and High-Gain Inverters from a Donor-Acceptor Copolymer Semiconductor. <i>Advanced Materials</i> , 2010, 22, 478-482.	11.1	284
81	Solution-Processed Highly Efficient Blue Phosphorescent Polymer Light-Emitting Diodes Enabled by a New Electron Transport Material. <i>Advanced Materials</i> , 2010, 22, 4744-4748.	11.1	110
82	Poly(3-hexylthiophene)- <i>b</i> -poly(3-cyclohexylthiophene): Synthesis, microphase separation, thin film transistors, and photovoltaic applications. <i>Journal of Polymer Science Part A</i> , 2010, 48, 614-626.	2.5	60
83	Regioregular poly(3-alkanylthiophene): Synthesis and electrochemical, photophysical, charge transport, and photovoltaic properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4681-4690.	2.5	21
84	Nanostructure determines the intensity-dependence of open-circuit voltage in plastic solar cells. <i>Journal of Applied Physics</i> , 2010, 108, 084320.	1.1	19
85	Air-Stable Ambipolar Field-Effect Transistors and Complementary Logic Circuits from Solution-Processed n/p Polymer Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , 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. <i>Chemistry of Materials</i> , 2010, 22, 5786-5796.	3.2	40
87	Polymer Nanowire/Fullerene Bulk Heterojunction Solar Cells: How Nanostructure Determines Photovoltaic Properties. <i>ACS Nano</i> , 2010, 4, 1861-1872.	7.3	170
88	Enhanced Performance of Bulk Heterojunction Solar Cells Using Block Copoly(3-alkylthiophene)s. <i>Chemistry of Materials</i> , 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. <i>Macromolecules</i> , 2010, 43, 3306-3313.	2.2	81
90	Organometallic Donor-Acceptor Conjugated Polymer Semiconductors: Tunable Optical, Electrochemical, Charge Transport, and Photovoltaic Properties. <i>Macromolecules</i> , 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. <i>ACS Nano</i> , 2009, 3, 627-636.	7.3	140
92	Phthalimide-Based Polymers for High Performance Organic Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2009, 131, 7206-7207.	6.6	243
93	Highly Efficient Phosphorescent Light-Emitting Diodes by Using an Electron-Transport Material with High Electron Affinity. <i>Journal of Physical Chemistry C</i> , 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. <i>Macromolecules</i> , 2009, 42, 8817-8826.	2.2	178
95	Benzobisthiazole <sup>π</sup> Thiophene Copolymer Semiconductors: Synthesis, Enhanced Stability, Field-Effect Transistors, and Efficient Solar Cells. <i>Macromolecules</i> , 2009, 42, 8615-8618.	2.2	105
96	Efficient solar cells based on a new phthalimide-based donor-acceptor copolymer semiconductor: morphology, charge-transport, and photovoltaic properties. <i>Journal of Materials Chemistry</i> , 2009, 19, 5303.	6.7	100
97	Crystalline Diblock Conjugated Copolymers: Synthesis, Self-Assembly, and Microphase Separation of Poly(3-butylthiophene)- <i>b</i> -poly(3-octylthiophene). <i>Macromolecules</i> , 2009, 42, 2317-2320.	2.2	190
98	Polydisperse Aggregates of ZnO Nanocrystallites: A Method for Energy Conversion Efficiency Enhancement in Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2008, 18, 1654-1660.	7.8	278
99	A fast mover with a bright spark. <i>Nature Materials</i> , 2008, 7, 354-355.	13.3	23
100	New Didecyloxyphenylene <sup>π</sup> Acceptor Alternating Conjugated Copolymers: Synthesis, Properties, and Optoelectronic Device Applications. <i>Macromolecules</i> , 2008, 41, 6952-6959.	2.2	69
101	New Ambipolar Organic Semiconductors. 1. Synthesis, Single-Crystal Structures, Redox Properties, and Photophysics of Phenoxazine-Based Donor <sup>π</sup> Acceptor Molecules. <i>Chemistry of Materials</i> , 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 Donor <sup>π</sup> Acceptor Materials. <i>Chemistry of Materials</i> , 2008, 20, 4212-4223.	3.2	106
103	Adding new functions to organic semiconductor nanowires by assembling metal nanoparticles onto their surfaces. <i>Journal of Materials Chemistry</i> , 2008, 18, 5395.	6.7	40
104	Photodegradation of Emissive Conjugated Copolymers and Oligomers Containing Thienopyrazine. <i>Macromolecules</i> , 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. <i>Chemistry of Materials</i> , 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- <i>b</i> -oligoquinoline- <i>b</i> -oligothiophene Triblock Co-oligomers. <i>Macromolecules</i> , 2008, 41, 3588-3597.	2.2	25
107	Highly Efficient Solar Cells Based on Poly(3-butylthiophene) Nanowires. <i>Journal of the American Chemical Society</i> , 2008, 130, 5424-5425.	6.6	333
108	Self-Assembly, Molecular Packing, and Electron Transport in n-Type Polymer Semiconductor Nanobelts. <i>Chemistry of Materials</i> , 2008, 20, 4712-4719.	3.2	159

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



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127	Phenothiazine-Phenylquinoline Donor-acceptor Molecules: Effects of Structural Isomerism on Charge Transfer Photophysics and Electroluminescence. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19584-19594.	1.2	109
128	Alkyl chain length dependence of the field-effect carrier mobility in regioregular poly(3-alkylthiophene)s. <i>Synthetic Metals</i> , 2005, 148, 169-173.	2.1	165
129	Electrospun Nanofibers of Blends of Conjugated Polymers: Morphology, Optical Properties, and Field-Effect Transistors. <i>Macromolecules</i> , 2005, 38, 4705-4711.	2.2	224
130	New Thiophene-Linked Conjugated Poly(azomethine)s: Theoretical Electronic Structure, Synthesis, and Properties. <i>Macromolecules</i> , 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%. <i>Applied Physics Letters</i> , 2005, 87, 123102.	1.5	34
132	Phenoxazine-Based Conjugated Polymers: A New Class of Organic Semiconductors for Field-Effect Transistors. <i>Macromolecules</i> , 2005, 38, 7983-7991.	2.2	65
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