Mario Leclerc

List of Publications by Year
in descending order

257 papers	37,268 citations	3325 91 h-index	2940 189 g-index
278 all docs	278 docs citations	278 times ranked	19502 citing authors

#	Article	IF	Citations
1	Effects of energetic disorder in bulk heterojunction organic solar cells. Energy and Environmental Science, 2022, 15, 2806-2818.	15.6	57
2	Strategies for the synthesis of water-soluble conjugated polymers. Trends in Chemistry, 2022, 4, 714-725.	4.4	9
3	Direct (Hetero)arylation: A Tool for Low-Cost and Eco-Friendly Organic Photovoltaics. ACS Applied Polymer Materials, 2021, 3, 2-13.	2.0	45
4	Water-Processable Self-Doped Conducting Polymers via Direct (Hetero)arylation Polymerization. Macromolecules, 2021, 54, 5464-5472.	2.2	22
5	Insights into Bulkâ€Heterojunction Organic Solar Cells Processed from Green Solvent. Solar Rrl, 2021, 5, 2100213.	3.1	30
6	Theoretical Insights into Optoelectronic Properties of Non-Fullerene Acceptors for the Design of Organic Photovoltaics. ACS Applied Energy Materials, 2021, 4, 11090-11100.	2.5	6
7	Low-Bandgap Non-fullerene Acceptors Enabling High-Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 598-608.	8.8	175
8	Biosourced Vanillin-Based Building Blocks for Organic Electronic Materials. Journal of Organic Chemistry, 2021, 86, 16548-16557.	1.7	6
9	Direct (hetero)arylation polymerization: toward defect-free conjugated polymers. Polymer Journal, 2020, 52, 13-20.	1.3	34
10	Modeling and implementation of tandem polymer solar cells using wideâ€bandgap front cells. , 2020, 2, 131-142.		9
11	Reducing Voltage Losses in the A-DAâ€²D-A Acceptor-Based Organic Solar Cells. CheM, 2020, 6, 2147-2161.	5.8	150
12	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
13	Bioinspiration in light harvesting and catalysis. Nature Reviews Materials, 2020, 5, 828-846.	23.3	136
14	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. Chemistry of Materials, 2020, 32, 7347-7362.	3.2	4
15	A-DAâ€²D-A non-fullerene acceptors for high-performance organic solar cells. Science China Chemistry, 2020, 63, 1352-1366.	4.2	226
16	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
17	Slot-Die-Coated Ternary Organic Photovoltaics for Indoor Light Recycling. ACS Applied Materials & Interfaces, 2020, 12, 43684-43693.	4.0	25
18	Optimized synthesis of fluorinated dithienyl-diketopyrrolopyrroles and new copolymers obtained via direct heteroarylation polymerization. Materials Chemistry Frontiers, 2020, 4, 2040-2046.	3.2	13

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19	Water Compatible Direct (Hetero)arylation Polymerization of PPDT2FBT: A Pathway Towards Largeâ€Scale Production of Organic Solar Cells. Asian Journal of Organic Chemistry, 2020, 9, 1318-1325.	1.3	17
20	Recent Progress on Indoor Organic Photovoltaics: From Molecular Design to Production Scale. ACS Energy Letters, 2020, 5, 1186-1197.	8.8	131
21	Pyrene Diimide Based Ï€-Conjugated Copolymer and Single-Walled Carbon Nanotube Composites for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 8764-8773.	3.2	22
22	Organic Solar Cells â€“ Special Issue. Chemical Record, 2019, 19, 961-961.	2.9	2
23	Fused Benzothiadiazole: A Building Block for nâ€Type Organic Acceptor to Achieve Highâ€Performance Organic Solar Cells. Advanced Materials, 2019, 31, e1807577.	11.1	297
24	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. Joule, 2019, 3, 1140-1151.	11.7	4,052
25	Airâ€Processed, Stable Organic Solar Cells with High Power Conversion Efficiency of 7.41%. Small, 2019, 15, e1804671.	5.2	19
26	CÏ£¿H Activation as a Shortcut to Conjugated Polymer Synthesis. Macromolecular Rapid Communications, 2019, 40, e1800512.	2.0	42
27	Direct (Hetero)Arylation Polymerization for the Preparation of Conjugated Polymers. , 2019, , 195-238.		1
28	Theoretical Calculations for Highly Selective Direct Heteroarylation Polymerization: New Nitrile-Substituted Dithienyl-Diketopyrrolopyrrole-Based Polymers. Molecules, 2018, 23, 2324.	1.7	7
29	Mechanistic Origin of Î²-Defect Formation in Thiophene-Based Polymers Prepared by Direct (Hetero)arylation. Macromolecules, 2018, 51, 8100-8113.	2.2	29
30	Pyromellitic Diimide-Based Copolymers and Their Application as Stable Cathode Active Materials in Lithium and Sodium-Ion Batteries. Chemistry of Materials, 2018, 30, 6821-6830.	3.2	29
31	Poly(naphthalene diimide-<i>alt</i>-bithiophene) Prepared by Direct (Hetero)arylation Polymerization for Efficient All-Polymer Solar Cells. Chemistry of Materials, 2018, 30, 5353-5361.	3.2	49
32	Development of quinoxaline based polymers for photovoltaic applications. Journal of Materials Chemistry C, 2017, 5, 1858-1879.	2.7	103
33	Robust Direct (Hetero)arylation Polymerization in Biphasic Conditions. Journal of the American Chemical Society, 2017, 139, 2816-2824.	6.6	68
34	Random Dâ€“A1â€“Dâ€“A2terpolymers based on benzodithiophene, thiadiazole[3,4-e]isoindole-5,7-dione and thieno[3,4-c]pyrrole-4,6-dione for efficient polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 6638-6647.	5.2	21
35	High-efficiency photovoltaic cells with wide optical band gap polymers based on fluorinated phenylene-alkoxybenzothiadiazole. Energy and Environmental Science, 2017, 10, 1443-1455.	15.6	84
36	Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. Chemical Science, 2017, 8, 3913-3925.	3.7	70

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37	A Study of the Degree of Fluorination in Regioregular Poly(3-hexylthiophene). Macromolecules, 2017, 50, 162-174.	2.2	30
38	Salt-induced thermochromism of a conjugated polyelectrolyte. Physical Chemistry Chemical Physics, 2017, 19, 28853-28866.	1.3	12
39	New Fluorinated Dithienyldiketopyrrolopyrrole Monomers and Polymers for Organic Electronics. Macromolecules, 2017, 50, 7080-7090.	2.2	50
40	Photovoltaic device performance of highly regioregular fluorinated poly(3-hexylthiophene). Organic Electronics, 2017, 50, 115-120.	1.4	7
41	Poly(5-alkyl-thieno[3,4-c]pyrrole-4,6-dione): a study of Ï€-conjugated redox polymers as anode materials in lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 18088-18094.	5.2	27
42	Fluorinated Thiophene-Based Synthons: Polymerization of 1,4-Dialkoxybenzene and Fluorinated Dithieno-2,1,3-benzothiadiazole by Direct Heteroarylation. Macromolecules, 2017, 50, 4658-4667.	2.2	28
43	New Processable Phenanthridinoneâ€Based Polymers for Organic Solar Cell Applications. Advanced Energy Materials, 2016, 6, 1502094.	10.2	42
44	Structural Analysis of Poly(3â€hexylthiophene) Prepared via Direct Heteroarylation Polymerization. Macromolecular Chemistry and Physics, 2016, 217, 1493-1500.	1.1	45
45	Direct (Hetero)arylation Polymerization: Trends and Perspectives. Journal of the American Chemical Society, 2016, 138, 10056-10071.	6.6	211
46	Direct (Hetero)arylation Polymerization: Simplicity for Conjugated Polymer Synthesis. Chemical Reviews, 2016, 116, 14225-14274.	23.0	402
47	Increasing Polymer Solar Cell Fill Factor by Trapâ€Filling with F4â€TCNQ at Parts Per Thousand Concentration. Advanced Materials, 2016, 28, 6491-6496.	11.1	85
48	Realizing the full potential of conjugated polymers: innovation in polymer synthesis. Materials Horizons, 2016, 3, 11-20.	6.4	111
49	Thieno, Furo, and Selenopheno[3,4â€<i>c</i>]pyrroleâ€4,6â€dione Copolymers: Airâ€Processed Polymer Solar Cells with Power Conversion Efficiency up to 7.1%. Advanced Energy Materials, 2015, 5, 1501213.	10.2	20
50	Is there a photostable conjugated polymer for efficient solar cells?. Polymer Degradation and Stability, 2015, 112, 175-184.	2.7	38
51	Photoinduced Dynamics of Charge Separation: From Photosynthesis to Polymerâ€"Fullerene Bulk Heterojunctions. Journal of Physical Chemistry B, 2015, 119, 7407-7416.	1.2	48
52	Electroactive and Photoactive Poly[Isoindigo<i>-alt-</i>EDOT] Synthesized Using Direct (Hetero)Arylation Polymerization in Batch and in Continuous Flow. Chemistry of Materials, 2015, 27, 2137-2143.	3.2	75
53	En Route to Defect-Free Polythiophene Derivatives by Direct Heteroarylation Polymerization. Macromolecules, 2015, 48, 5614-5620.	2.2	74
54	Synthesis, characterization and device optimisation of new poly(benzo[1,2-b:4,5-bâ€²]dithiophene-alt-thieno[3,4-d]thiazole) derivatives for solar cell applications. Polymer Chemistry, 2015, 6, 3956-3961.	1.9	6

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55	Smallâ€Bandgap Polymer Solar Cells with Unprecedented Shortâ€Circuit Current Density and High Fill Factor. Advanced Materials, 2015, 27, 3318-3324.	11.1	294
56	Elucidating the Impact of Molecular Packing and Device Architecture on the Performance of Nanostructured Perylene Diimide Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 8687-8698.	4.0	26
57	Conjugated Polymers Ã la Carte from Time-Controlled Direct (Hetero)Arylation Polymerization. ACS Macro Letters, 2015, 4, 21-24.	2.3	101
58	A high mobility DPP-based polymer obtained via direct (hetero)arylation polymerization. Polymer Chemistry, 2015, 6, 278-282.	1.9	76
59	Enhanced Power Conversion Efficiency of Low Bandâ€Gap Polymer Solar Cells by Insertion of Optimized Binary Processing Additives. Advanced Energy Materials, 2014, 4, 1300835.	10.2	40
60	How Photoinduced Crosslinking Under Operating Conditions Can Reduce PCDTBTâ€Based Solar Cell Efficiency and then Stabilize It. Advanced Energy Materials, 2014, 4, 1301530.	10.2	39
61	Charge Transfer: Electronic Structure of Fullerene Heterodimer in Bulkâ€Heterojunction Blends (Adv.) Tj ETQq1 1 0.784314 rgBT /Ove	10.2	2
62	Electronic Structure of Fullerene Heterodimer in Bulkâ€Heterojunction Blends. Advanced Energy Materials, 2014, 4, 1301517.	10.2	30
63	Highly efficient thieno[3,4-c]pyrrole-4,6-dione-based solar cells processed from non-chlorinated solvent. Organic Electronics, 2014, 15, 543-548.	1.4	40
64	Effect of processing additive on morphology and charge extraction in bulk-heterojunction solar cells. Journal of Materials Chemistry A, 2014, 2, 15052-15057.	5.2	39
65	Qualitative Analysis of Bulk-Heterojunction Solar Cells without Device Fabrication: An Elegant and Contactless Method. Journal of the American Chemical Society, 2014, 136, 10949-10955.	6.6	28
66	Thiocarbonyl Substitution in 1,4-Dithioketopyrrolopyrrole and Thienopyrroledithione Derivatives: An Experimental and Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 3953-3959.	1.5	19
67	Enhanced Efficiency of Single and Tandem Organic Solar Cells Incorporating a Diketopyrrolopyrroleâ€Based Lowâ€Bandgap Polymer by Utilizing Combined ZnO/Polyelectrolyte Electronâ€Transport Layers. Advanced Materials, 2013, 25, 4783-4788.	11.1	111
68	PCDTBT: en route for low cost plastic solar cells. Journal of Materials Chemistry A, 2013, 1, 11097.	5.2	171
69	Langmuirâ€“Blodgett Films of Amphiphilic Thieno[3,4-<i>c</i>]pyrrole-4,6-dione-Based Alternating Copolymers. Macromolecules, 2013, 46, 6408-6418.	2.2	22
70	Impact of UVâ€Visible Light on the Morphological and Photochemical Behavior of a Lowâ€Bandgap Poly(2,7â€Carbazole) Derivative for Use in Highâ€Performance Solar Cells. Advanced Energy Materials, 2013, 3, 478-487.	10.2	75
71	Imide/amide based Ï€-conjugated polymers for organic electronics. Progress in Polymer Science, 2013, 38, 1815-1831.	11.8	68
72	High open-circuit voltage solar cells using a new thieno[3,4-c] pyrrole-4,6-dione based copolymer. Synthetic Metals, 2013, 182, 9-12.	2.1	9

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73	Impact of DNA Sequence and Oligonucleotide Length on a Polythiopheneâ€Based Fluorescent DNA Biosensor. Macromolecular Bioscience, 2013, 13, 717-722.	2.1	15
74	Synthesis of new n-type isoindigo copolymers. Polymer Chemistry, 2013, 4, 1836.	1.9	91
75	Direct heteroarylation of Î²-protected dithienosilole and dithienogermole monomers with thieno[3,4-c]pyrrole-4,6-dione and furo[3,4-c]pyrrole-4,6-dione. Polymer Chemistry, 2013, 4, 5252.	1.9	47
76	Thieno[3,4â€<i>c</i>]pyrroleâ€4,6â€dioneâ€Based Polymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2013, 214, 7-16.	1.1	57
77	Polythiophene Biosensor for Rapid Detection of Microbial Particles in Water. ACS Applied Materials & Interfaces, 2013, 5, 4544-4548.	4.0	26
78	Accessing New DPPâ€Based Copolymers by Direct Heteroarylation Polymerization. Macromolecular Chemistry and Physics, 2013, 214, 453-457.	1.1	50
79	Direct (Hetero)Arylation: A New Tool for Polymer Chemists. Accounts of Chemical Research, 2013, 46, 1597-1605.	7.6	412
80	Highly-efficient charge separation and polaron delocalization in polymerâ€“fullerene bulk-heterojunctions: a comparative multi-frequency EPR and DFT study. Physical Chemistry Chemical Physics, 2013, 15, 9562.	1.3	135
81	Additiveâ€Free Bulkâ€Heterojuction Solar Cells with Enhanced Power Conversion Efficiency, Comprising a Newly Designed Selenopheneâ€Thienopyrrolodione Copolymer. Advanced Functional Materials, 2013, 23, 1297-1304.	7.8	93
82	Charge carrier mobility, bimolecular recombination and trapping in polycarbazole copolymer:fullerene (PCDTBT:PCBM) bulk heterojunction solar cells. Organic Electronics, 2012, 13, 2639-2646.	1.4	92
83	Thieno-, Furo-, and Selenopheno[3,4-<i>c</i>]pyrrole-4,6-dione Copolymers: Effect of the Heteroatom on the Electrooptical Properties. Macromolecules, 2012, 45, 6906-6914.	2.2	79
84	Control of the active layer nanomorphology by using co-additives towards high-performance bulk heterojunction solar cells. Organic Electronics, 2012, 13, 1736-1741.	1.4	103
85	Donorâ€“acceptor alternating copolymers containing thienopyrroledione electron accepting units: preparation, redox behaviour, and application to photovoltaic cells. Polymer Chemistry, 2012, 3, 2355.	1.9	24
86	Low-Cost Synthesis and Physical Characterization of Thieno[3,4-<i>c</i>]pyrrole-4,6-dione-Based Polymers. Journal of Organic Chemistry, 2012, 77, 8167-8173.	1.7	93
87	Easy and versatile synthesis of new poly(thieno[3,4-d]thiazole)s. Polymer Chemistry, 2012, 3, 2875.	1.9	47
88	Slow geminateâ€chargeâ€pair recombination dynamics at polymer: Fullerene heterojunctions in efficient organic solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1395-1404.	2.4	12
89	Solution Processed Organic Tandem Solar Cells. Energy Procedia, 2012, 31, 159-166.	1.8	7
90	Bithiopheneimideâ€“Dithienosilole/Dithienogermole Copolymers for Efficient Solar Cells: Information from Structureâ€“Propertyâ€“Device Performance Correlations and Comparison to Thieno[3,4-<i>c</i>]pyrrole-4,6-dione Analogues. Journal of the American Chemical Society, 2012, 134, 18427-18439.	6.6	257

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91	Intensity Dependent Femtosecond Dynamics in a PBDTTPD-Based Solar Cell Material. Journal of Physical Chemistry Letters, 2012, 3, 2952-2958.	2.1	28
92	Effects of the Molecular Weight and the Sideâ€Chain Length on the Photovoltaic Performance of Dithienosilole/Thienopyrrolodione Copolymers. Advanced Functional Materials, 2012, 22, 2345-2351.	7.8	223
93	Work Function Control of Interfacial Buffer Layers for Efficient and Airâ€Stable Inverted Lowâ€Bandgap Organic Photovoltaics. Advanced Energy Materials, 2012, 2, 361-368.	10.2	56
94	A New Terthiopheneâ€Thienopyrrolodione Copolymerâ€Based Bulk Heterojunction Solar Cell with High Openâ€Circuit Voltage. Advanced Energy Materials, 2012, 2, 1397-1403.	10.2	98
95	Ultrafast relaxation of charge-transfer excitons in low-bandgap conjugated copolymers. Chemical Science, 2012, 3, 2270.	3.7	44
96	Breaking Down the Problem: Optical Transitions, Electronic Structure, and Photoconductivity in Conjugated Polymer PCDTBT and in Its Separate Building Blocks. Journal of Physical Chemistry C, 2012, 116, 11456-11469.	1.5	96
97	High Open-Circuit Voltage Solar Cells Based on New Thieno[3,4-c]pyrrole-4,6-dione and 2,7-Carbazole Copolymers. Macromolecules, 2012, 45, 1833-1838.	2.2	52
98	High-efficiency inverted solar cells based on a low bandgap polymer with excellent air stability. Solar Energy Materials and Solar Cells, 2012, 96, 155-159.	3.0	89
99	Synthesis of 5â€Alkyl[3,4â€<i>c</i>]thienopyrroleâ€4,6â€dioneâ€Based Polymers by Direct Heteroarylation. Angewandte Chemie - International Edition, 2012, 51, 2068-2071.	7.2	232
100	The development of a silica nanoparticle-based label-free DNA biosensor. Nanoscale, 2011, 3, 3747.	2.8	14
101	Amplification Strategy Using Aggregates of Ferrocene-Containing Cationic Polythiophene for Sensitive and Specific Electrochemical Detection of DNA. Analytical Chemistry, 2011, 83, 8086-8092.	3.2	32
102	New conjugated polymers for plastic solar cells. Energy and Environmental Science, 2011, 4, 1225.	15.6	257
103	Green energy from a blue polymer. Nature Materials, 2011, 10, 409-410.	13.3	55
104	Effect of mixed solvents on PCDTBT:PC70BM based solar cells. Organic Electronics, 2011, 12, 1788-1793.	1.4	82
105	Processable Low-Bandgap Polymers for Photovoltaic Applications. Chemistry of Materials, 2011, 23, 456-469.	3.2	790
106	Bulk Heterojunction Solar Cells Using Thieno[3,4-<i>c</i>]pyrrole-4,6-dione and Dithieno[3,2-<i>b</i>:2â€²,3â€²-<i>d</i>]silole Copolymer with a Power Conversion Efficiency of 7.3%. Journal of the American Chemical Society, 2011, 133, 4250-4253.	6.6	1,047
107	Synthesis and Photovoltaic Properties of Poly(dithieno[3,2-<i>b</i>:2â€²,3â€²-<i>d</i>]germole) Derivatives. Macromolecules, 2011, 44, 7188-7193.	2.2	94
108	Synthesis and Characterization of New Poly(thieno[3,4-<i>d</i>]thiazole) Derivatives for Photovoltaic Applications. Macromolecules, 2011, 44, 7184-7187.	2.2	26

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109	Synthesis and Characterization of 5-Octylthieno[3,4-<i>c</i>]pyrrole-4,6-dione Derivatives As New Monomers for Conjugated Copolymers. Organic Letters, 2011, 13, 38-41.	2.4	73
110	Conducting polymers: Efficient thermoelectric materials. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 467-475.	2.4	310
111	Rational Design of Poly(2,7â€Carbazole) Derivatives for Photovoltaic Applications. Macromolecular Theory and Simulations, 2011, 20, 13-18.	0.6	31
112	Synthesis and Characterization of New Thieno[3,4â€c]pyrroleâ€4,6â€dione Derivatives for Photovoltaic Applications. Advanced Functional Materials, 2011, 21, 718-728.	7.8	170
113	High Efficiency Polymer Solar Cells with Long Operating Lifetimes. Advanced Energy Materials, 2011, 1, 491-494.	10.2	395
114	Energy level alignments at poly[N-9â€²â€²-hepta-decanyl-2,7-carbazole-alt-5,5-(4â€²,7â€²-di-2-thienyl-2â€²,1â€²,3â€²-benzothiadiazole)] on metal and polymer interfaces. Chemical Physics Letters, 2011, 503, 101-104.	1.2	20
115	Charge carrier photogeneration and decay dynamics in the poly(2,7-carbazole) copolymer PCDTBT and in bulk heterojunction composites with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PC</mml:mtext></mml:mrow><mml:mrow><mml:mn>70</mm Physical Review B, 2010, 81, .	1.1	117
116	A Thieno[3,4-<i>c</i>]pyrrole-4,6-dione-Based Copolymer for Efficient Solar Cells. Journal of the American Chemical Society, 2010, 132, 5330-5331.	6.6	747
117	A Thermally Stable Semiconducting Polymer. Advanced Materials, 2010, 22, 1253-1257.	11.1	165
118	Solarâ€Energy Production and Energyâ€Efficient Lighting: Photovoltaic Devices and Whiteâ€Lightâ€Emitting Diodes Using Poly(2,7â€fluorene), Poly(2,7â€carbazole), and Poly(2,7â€dibenzosilole) Derivatives. Advanced Materials, 2010, 22, E6-E27.	11.1	220
119	A New Dithienylbenzotriazoleâ€Based Poly(2,7â€carbazole) for Efficient Photovoltaics. Macromolecular Chemistry and Physics, 2010, 211, 2026-2033.	1.1	49
120	New Low Bandgap Dithienylbenzothiadiazole Vinylene Based Copolymers: Synthesis and Photovoltaic Properties. Macromolecular Rapid Communications, 2010, 31, 391-398.	2.0	44
121	Synthesis of New Pyridazineâ€Based Monomers and Related Polymers for Photovoltaic Applications. Macromolecular Rapid Communications, 2010, 31, 1090-1094.	2.0	27
122	Solvent effect and device optimization of diketopyrrolopyrrole and carbazole copolymer based solar cells. Organic Electronics, 2010, 11, 1053-1058.	1.4	40
123	Synthesis and characterization of soluble indolo[3,2-b]carbazole derivatives for organic field-effect transistors. Organic Electronics, 2010, 11, 1649-1659.	1.4	59
124	Structural, electronic, and optical properties of novel indolocarbazole-based conjugated derivatives. Computational and Theoretical Chemistry, 2010, 962, 33-37.	1.5	7
125	Bulk heterojunction solar cells based on a low-bandgap carbazole-diketopyrrolopyrrole copolymer. Applied Physics Letters, 2010, 97, 203303.	1.5	47
126	Exciton Formation, Relaxation, and Decay in PCDTBT. Journal of the American Chemical Society, 2010, 132, 17459-17470.	6.6	190

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127	Germafluorenes: New Heterocycles for Plastic Electronics. Macromolecules, 2010, 43, 2328-2333.	2.2	116
128	Polycarbazoles for plastic electronics. Polymer Chemistry, 2010, 1, 127-136.	1.9	172
129	Highly efficient polycarbazole-based organic photovoltaic devices. Applied Physics Letters, 2009, 95, 063304.	1.5	107
130	High efficiency polymer solar cells with internal quantum efficiency approaching 100%. , 2009, , .		3
131	New Copolymers Based on Acenaphto[1,2-b]thieno[3,4-e]Pyrazine for Transistor and Solar Cell Applications. Materials Research Society Symposia Proceedings, 2009, 1197, 13.	0.1	0
132	Bulk heterojunction solar cells with internal quantum efficiency approaching 100%. Nature Photonics, 2009, 3, 297-302.	15.6	3,903
133	Synthesis and Characterization of New Low-Bandgap Diketopyrrolopyrrole-Based Copolymers. Macromolecules, 2009, 42, 6361-6365.	2.2	162
134	A High-Mobility Low-Bandgap Poly(2,7-carbazole) Derivative for Photovoltaic Applications. Macromolecules, 2009, 42, 2891-2894.	2.2	232
135	Electrical and Thermoelectric Properties of Poly(2,7-Carbazole) Derivatives. Chemistry of Materials, 2009, 21, 751-757.	3.2	171
136	Highly efficient organic solar cells based on a poly(2,7-carbazole) derivative. Journal of Materials Chemistry, 2009, 19, 5351.	6.7	185
137	Multicolored Electrochromic Cells Based On Poly(2,7-Carbazole) Derivatives For Adaptive Camouflage. Chemistry of Materials, 2009, 21, 1504-1513.	3.2	158
138	New indolo[3,2-b]carbazole derivatives for field-effect transistor applications. Journal of Materials Chemistry, 2009, 19, 2921.	6.7	80
139	2008 Macromolecular Science and Engineering Division Award Lecture â€" Conjugated polymers: From micro-electronics to genomics. Canadian Journal of Chemistry, 2009, 87, 1201-1208.	0.6	6
140	Fluorescence Signal Amplification for Ultrasensitive DNA Detection. Reviews in Fluorescence, 2009, , 179-197.	0.5	4
141	Structure and Segmental Motions in a Substituted Polythiophene: A Solidâ€State NMR Study. Macromolecular Chemistry and Physics, 2008, 209, 2455-2462.	1.1	14
142	Poly(2,7-carbazole)s: Structureâˆ'Property Relationships. Accounts of Chemical Research, 2008, 41, 1110-1119.	7.6	455
143	Optical Detection of DNA and Proteins with Cationic Polythiophenes. Accounts of Chemical Research, 2008, 41, 168-178.	7.6	492
144	Charge Transport, Photovoltaic, and Thermoelectric Properties of Poly(2,7â€Carbazole) and Poly(Indolo[3,2â€‹<i>b</i>]Carbazole) Derivatives. Polymer Reviews, 2008, 48, 432-462.	5.3	133

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145	Poly(2,7-carbazole)s and Related Polymers. Advances in Polymer Science, 2008, , 99-124.	0.4	57
146	Toward a Rational Design of Poly(2,7-Carbazole) Derivatives for Solar Cells. Journal of the American Chemical Society, 2008, 130, 732-742.	6.6	1,328
147	Organometallic and Conjugated Organic Polymers Held Together by Strong Electrostatic Interactions to Form Luminescent Hybrid Materials. Inorganic Chemistry, 2008, 47, 11720-11733.	1.9	11
148	Characterization of Superlighting Polymerâ˘'DNA Aggregates:â€‰ A Fluorescence and Light Scattering Study. Langmuir, 2007, 23, 258-264.	1.6	22
149	Synthesis and Thermoelectric Properties of Polycarbazole, Polyindolocarbazole, and Polydiindolocarbazole Derivatives. Chemistry of Materials, 2007, 19, 2128-2138.	3.2	119
150	Synthesis, Characterization, and Application of Indolo[3,2-b]carbazole Semiconductors. Journal of the American Chemical Society, 2007, 129, 9125-9136.	6.6	208
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