

Mario Leclerc

List of Publications by Year in descending order

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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.	30.8	57
2	Strategies for the synthesis of water-soluble conjugated polymers. Trends in Chemistry, 2022, 4, 714-725.	8.5	9
3	Direct (Hetero)arylation: A Tool for Low-Cost and Eco-Friendly Organic Photovoltaics. ACS Applied Polymer Materials, 2021, 3, 2-13.	4.4	45
4	Water-Processable Self-Doped Conducting Polymers via Direct (Hetero)arylation Polymerization. Macromolecules, 2021, 54, 5464-5472.	4.8	22
5	Insights into Bulk Heterojunction Organic Solar Cells Processed from Green Solvent. Solar Rrl, 2021, 5, 2100213.	5.8	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.	5.1	6
7	Low-Bandgap Non-fullerene Acceptors Enabling High-Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 598-608.	17.4	175
8	Biosourced Vanillin-Based Building Blocks for Organic Electronic Materials. Journal of Organic Chemistry, 2021, 86, 16548-16557.	3.2	6
9	Direct (hetero)arylation polymerization: toward defect-free conjugated polymers. Polymer Journal, 2020, 52, 13-20.	2.7	34
10	Modeling and implementation of tandem polymer solar cells using wide-bandgap front cells. , 2020, 2, 131-142.		9
11	Reducing Voltage Losses in the A-DA ² D-A Acceptor-Based Organic Solar Cells. Chem, 2020, 6, 2147-2161.	11.7	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.	10.3	23
13	Bioinspiration in light harvesting and catalysis. Nature Reviews Materials, 2020, 5, 828-846.	48.7	136
14	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. Chemistry of Materials, 2020, 32, 7347-7362.	6.7	4
15	A-DA ² D-A non-fullerene acceptors for high-performance organic solar cells. Science China Chemistry, 2020, 63, 1352-1366.	8.2	226
16	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
17	Slot-Die-Coated Ternary Organic Photovoltaics for Indoor Light Recycling. ACS Applied Materials & Interfaces, 2020, 12, 43684-43693.	8.0	25
18	Optimized synthesis of fluorinated dithienyl-diketopyrrolopyrroles and new copolymers obtained via direct heteroarylation polymerization. Materials Chemistry Frontiers, 2020, 4, 2040-2046.	5.9	13

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19	Water Compatible Direct (Hetero)arylation Polymerization of PPDT2FBT: A Pathway Towards Large-Scale Production of Organic Solar Cells. Asian Journal of Organic Chemistry, 2020, 9, 1318-1325.	2.7	17
20	Recent Progress on Indoor Organic Photovoltaics: From Molecular Design to Production Scale. ACS Energy Letters, 2020, 5, 1186-1197.	17.4	131
21	Pyrene Diimide Based π -Conjugated Copolymer and Single-Walled Carbon Nanotube Composites for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 8764-8773.	6.7	22
22	Organic Solar Cells – Special Issue. Chemical Record, 2019, 19, 961-961.	5.8	2
23	Fused Benzothiadiazole: A Building Block for n-Type Organic Acceptor to Achieve High-Performance Organic Solar Cells. Advanced Materials, 2019, 31, e1807577.	21.0	297
24	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. Joule, 2019, 3, 1140-1151.	24.0	4,052
25	Air-Processed, Stable Organic Solar Cells with High Power Conversion Efficiency of 7.41%. Small, 2019, 15, e1804671.	10.0	19
26	C-H Activation as a Shortcut to Conjugated Polymer Synthesis. Macromolecular Rapid Communications, 2019, 40, e1800512.	3.9	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.	3.8	7
29	Mechanistic Origin of β^2 -Defect Formation in Thiophene-Based Polymers Prepared by Direct (Hetero)arylation. Macromolecules, 2018, 51, 8100-8113.	4.8	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.	6.7	29
31	Poly(naphthalene diimide- <i>bithiophene</i>) Prepared by Direct (Hetero)arylation Polymerization for Efficient All-Polymer Solar Cells. Chemistry of Materials, 2018, 30, 5353-5361.	6.7	49
32	Development of quinoxaline based polymers for photovoltaic applications. Journal of Materials Chemistry C, 2017, 5, 1858-1879.	5.5	103
33	Robust Direct (Hetero)arylation Polymerization in Biphasic Conditions. Journal of the American Chemical Society, 2017, 139, 2816-2824.	13.7	68
34	Random A ¹ -A ² terpolymers based on benzodithiophene, thiadiazole[3,4- <i>e</i>]isoindole-5,7-dione and thieno[3,4- <i>c</i>]pyrrole-4,6-dione for efficient polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 6638-6647.	10.3	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.	30.8	84
36	Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. Chemical Science, 2017, 8, 3913-3925.	7.4	70

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37	A Study of the Degree of Fluorination in Regioregular Poly(3-hexylthiophene). <i>Macromolecules</i> , 2017, 50, 162-174.	4.8	30
38	Salt-induced thermochromism of a conjugated polyelectrolyte. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28853-28866.	2.8	12
39	New Fluorinated Dithienyldiketopyrrolopyrrole Monomers and Polymers for Organic Electronics. <i>Macromolecules</i> , 2017, 50, 7080-7090.	4.8	50
40	Photovoltaic device performance of highly regioregular fluorinated poly(3-hexylthiophene). <i>Organic Electronics</i> , 2017, 50, 115-120.	2.6	7
41	Poly(5-alkyl-thieno[3,4-c]pyrrole-4,6-dione): a study of π -conjugated redox polymers as anode materials in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18088-18094.	10.3	27
42	Fluorinated Thiophene-Based Synthons: Polymerization of 1,4-Dialkoxybenzene and Fluorinated Dithieno-2,1,3-benzothiadiazole by Direct Heteroarylation. <i>Macromolecules</i> , 2017, 50, 4658-4667.	4.8	28
43	New Processable Phenanthridinone-Based Polymers for Organic Solar Cell Applications. <i>Advanced Energy Materials</i> , 2016, 6, 1502094.	19.5	42
44	Structural Analysis of Poly(3-hexylthiophene) Prepared via Direct Heteroarylation Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1493-1500.	2.2	45
45	Direct (Hetero)arylation Polymerization: Trends and Perspectives. <i>Journal of the American Chemical Society</i> , 2016, 138, 10056-10071.	13.7	211
46	Direct (Hetero)arylation Polymerization: Simplicity for Conjugated Polymer Synthesis. <i>Chemical Reviews</i> , 2016, 116, 14225-14274.	47.7	402
47	Increasing Polymer Solar Cell Fill Factor by Trap-Filling with F4TCNQ at Parts Per Thousand Concentration. <i>Advanced Materials</i> , 2016, 28, 6491-6496.	21.0	85
48	Realizing the full potential of conjugated polymers: innovation in polymer synthesis. <i>Materials Horizons</i> , 2016, 3, 11-20.	12.2	111
49	Thieno, Furo, and Selenopheno[3,4-c]pyrrole-4,6-dione Copolymers: Air-Processed Polymer Solar Cells with Power Conversion Efficiency up to 7.1%. <i>Advanced Energy Materials</i> , 2015, 5, 1501213.	19.5	20
50	Is there a photostable conjugated polymer for efficient solar cells?. <i>Polymer Degradation and Stability</i> , 2015, 112, 175-184.	5.8	38
51	Photoinduced Dynamics of Charge Separation: From Photosynthesis to Polymer-Fullerene Bulk Heterojunctions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7407-7416.	2.6	48
52	Electroactive and Photoactive Poly[Isoidigo-EDOT] Synthesized Using Direct (Hetero)Arylation Polymerization in Batch and in Continuous Flow. <i>Chemistry of Materials</i> , 2015, 27, 2137-2143.	6.7	75
53	En Route to Defect-Free Polythiophene Derivatives by Direct Heteroarylation Polymerization. <i>Macromolecules</i> , 2015, 48, 5614-5620.	4.8	74
54	Synthesis, characterization and device optimisation of new poly(benzo[1,2-b:4,5-b']dithiophene-alt-thieno[3,4-d]thiazole) derivatives for solar cell applications. <i>Polymer Chemistry</i> , 2015, 6, 3956-3961.	3.9	6

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55	Small-Bandgap Polymer Solar Cells with Unprecedented Short-Circuit Current Density and High Fill Factor. <i>Advanced Materials</i> , 2015, 27, 3318-3324.	21.0	294
56	Elucidating the Impact of Molecular Packing and Device Architecture on the Performance of Nanostructured Perylene Diimide Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8687-8698.	8.0	26
57	Conjugated Polymers À la Carte from Time-Controlled Direct (Hetero)Arylation Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 21-24.	4.8	101
58	A high mobility DPP-based polymer obtained via direct (hetero)arylation polymerization. <i>Polymer Chemistry</i> , 2015, 6, 278-282.	3.9	76
59	Enhanced Power Conversion Efficiency of Low Band-Gap Polymer Solar Cells by Insertion of Optimized Binary Processing Additives. <i>Advanced Energy Materials</i> , 2014, 4, 1300835.	19.5	40
60	How Photoinduced Crosslinking Under Operating Conditions Can Reduce PCDTBT-Based Solar Cell Efficiency and then Stabilize It. <i>Advanced Energy Materials</i> , 2014, 4, 1301530.	19.5	39
61	Charge Transfer: Electronic Structure of Fullerene Heterodimer in Bulk-Heterojunction Blends (Adv.) <i>TJ ETQq1 1 0,784314 rgBT /Over</i>	19.5	2
62	Electronic Structure of Fullerene Heterodimer in Bulk-Heterojunction Blends. <i>Advanced Energy Materials</i> , 2014, 4, 1301517.	19.5	30
63	Highly efficient thieno[3,4-c]pyrrole-4,6-dione-based solar cells processed from non-chlorinated solvent. <i>Organic Electronics</i> , 2014, 15, 543-548.	2.6	40
64	Effect of processing additive on morphology and charge extraction in bulk-heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15052-15057.	10.3	39
65	Qualitative Analysis of Bulk-Heterojunction Solar Cells without Device Fabrication: An Elegant and Contactless Method. <i>Journal of the American Chemical Society</i> , 2014, 136, 10949-10955.	13.7	28
66	Thiocarbonyl Substitution in 1,4-Dithioketopyrrolopyrrole and Thienopyrroledithione Derivatives: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3953-3959.	3.1	19
67	Enhanced Efficiency of Single and Tandem Organic Solar Cells Incorporating a Diketopyrrolopyrrole-Based Low-Bandgap Polymer by Utilizing Combined ZnO/Polyelectrolyte Electron-Transport Layers. <i>Advanced Materials</i> , 2013, 25, 4783-4788.	21.0	111
68	PCDTBT: en route for low cost plastic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11097.	10.3	171
69	Langmuir-Blodgett Films of Amphiphilic Thieno[3,4-c]pyrrole-4,6-dione-Based Alternating Copolymers. <i>Macromolecules</i> , 2013, 46, 6408-6418.	4.8	22
70	Impact of UV-Visible Light on the Morphological and Photochemical Behavior of a Low-Bandgap Poly(2,7-Carbazole) Derivative for Use in High-Performance Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 478-487.	19.5	75
71	Imide/amide based π -conjugated polymers for organic electronics. <i>Progress in Polymer Science</i> , 2013, 38, 1815-1831.	24.7	68
72	High open-circuit voltage solar cells using a new thieno[3,4-c] pyrrole-4,6-dione based copolymer. <i>Synthetic Metals</i> , 2013, 182, 9-12.	3.9	9

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73	Impact of DNA Sequence and Oligonucleotide Length on a Polythiophene-Based Fluorescent DNA Biosensor. <i>Macromolecular Bioscience</i> , 2013, 13, 717-722.	4.1	15
74	Synthesis of new n-type isoindigo copolymers. <i>Polymer Chemistry</i> , 2013, 4, 1836.	3.9	91
75	Direct heteroarylation of β^2 -protected dithienosilole and dithienogermole monomers with thieno[3,4-c]pyrrole-4,6-dione and furo[3,4-c]pyrrole-4,6-dione. <i>Polymer Chemistry</i> , 2013, 4, 5252.	3.9	47
76	Thieno[3,4- <i>c</i>]pyrrole-4,6-dione-Based Polymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 7-16.	2.2	57
77	Polythiophene Biosensor for Rapid Detection of Microbial Particles in Water. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4544-4548.	8.0	26
78	Accessing New DPP-Based Copolymers by Direct Heteroarylation Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 453-457.	2.2	50
79	Direct (Hetero)Arylation: A New Tool for Polymer Chemists. <i>Accounts of Chemical Research</i> , 2013, 46, 1597-1605.	15.6	412
80	Highly-efficient charge separation and polaron delocalization in polymer-fullerene bulk-heterojunctions: a comparative multi-frequency EPR and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9562.	2.8	135
81	Additive-Free Bulk-Heterojunction Solar Cells with Enhanced Power Conversion Efficiency, Comprising a Newly Designed Selenophene-Thienopyrroledione Copolymer. <i>Advanced Functional Materials</i> , 2013, 23, 1297-1304.	14.9	93
82	Charge carrier mobility, bimolecular recombination and trapping in polycarbazole copolymer:fullerene (PCDTBT:PCBM) bulk heterojunction solar cells. <i>Organic Electronics</i> , 2012, 13, 2639-2646.	2.6	92
83	Thieno-, Furo-, and Selenopheno[3,4- <i>c</i>]pyrrole-4,6-dione Copolymers: Effect of the Heteroatom on the Electrooptical Properties. <i>Macromolecules</i> , 2012, 45, 6906-6914.	4.8	79
84	Control of the active layer nanomorphology by using co-additives towards high-performance bulk heterojunction solar cells. <i>Organic Electronics</i> , 2012, 13, 1736-1741.	2.6	103
85	Donor-acceptor alternating copolymers containing thienopyrroledione electron accepting units: preparation, redox behaviour, and application to photovoltaic cells. <i>Polymer Chemistry</i> , 2012, 3, 2355.	3.9	24
86	Low-Cost Synthesis and Physical Characterization of Thieno[3,4- <i>c</i>]pyrrole-4,6-dione-Based Polymers. <i>Journal of Organic Chemistry</i> , 2012, 77, 8167-8173.	3.2	93
87	Easy and versatile synthesis of new poly(thieno[3,4- <i>d</i>]thiazole)s. <i>Polymer Chemistry</i> , 2012, 3, 2875.	3.9	47
88	Slow geminate-charge-pair recombination dynamics at polymer: Fullerene heterojunctions in efficient organic solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1395-1404.	2.1	12
89	Solution Processed Organic Tandem Solar Cells. <i>Energy Procedia</i> , 2012, 31, 159-166.	1.8	7
90	Bithiopheneimide-Dithienosilole/Dithienogermole Copolymers for Efficient Solar Cells: Information from Structure-Property-Device Performance Correlations and Comparison to Thieno[3,4- <i>c</i>]pyrrole-4,6-dione Analogues. <i>Journal of the American Chemical Society</i> , 2012, 134, 18427-18439.	13.7	257

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91	Intensity Dependent Femtosecond Dynamics in a PBDTPD-Based Solar Cell Material. Journal of Physical Chemistry Letters, 2012, 3, 2952-2958.	4.6	28
92	Effects of the Molecular Weight and the Side-Chain Length on the Photovoltaic Performance of Dithienosilole/Thienopyrrolodione Copolymers. Advanced Functional Materials, 2012, 22, 2345-2351.	14.9	223
93	Work Function Control of Interfacial Buffer Layers for Efficient and Air-Stable Inverted Low-Bandgap Organic Photovoltaics. Advanced Energy Materials, 2012, 2, 361-368.	19.5	56
94	A New Terthiophene-Thienopyrrolodione Copolymer-Based Bulk Heterojunction Solar Cell with High Open-Circuit Voltage. Advanced Energy Materials, 2012, 2, 1397-1403.	19.5	98
95	Ultrafast relaxation of charge-transfer excitons in low-bandgap conjugated copolymers. Chemical Science, 2012, 3, 2270.	7.4	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.	3.1	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.	4.8	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.	6.2	89
99	Synthesis of 5-Alkyl[3,4-thienopyrrole-4,6-dione]-Based Polymers by Direct Heteroarylation. Angewandte Chemie - International Edition, 2012, 51, 2068-2071.	13.8	232
100	The development of a silica nanoparticle-based label-free DNA biosensor. Nanoscale, 2011, 3, 3747.	5.6	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.	6.5	32
102	New conjugated polymers for plastic solar cells. Energy and Environmental Science, 2011, 4, 1225.	30.8	257
103	Green energy from a blue polymer. Nature Materials, 2011, 10, 409-410.	27.5	55
104	Effect of mixed solvents on PCDTBT:PC70BM based solar cells. Organic Electronics, 2011, 12, 1788-1793.	2.6	82
105	Processable Low-Bandgap Polymers for Photovoltaic Applications. Chemistry of Materials, 2011, 23, 456-469.	6.7	790
106	Bulk Heterojunction Solar Cells Using Thieno[3,4-c]pyrrole-4,6-dione and Dithieno[3,2-b:2',3'-d]silole Copolymer with a Power Conversion Efficiency of 7.3%. Journal of the American Chemical Society, 2011, 133, 4250-4253.	13.7	1,047
107	Synthesis and Photovoltaic Properties of Poly(dithieno[3,2-b:2',3'-d]germole) Derivatives. Macromolecules, 2011, 44, 7188-7193.	4.8	94
108	Synthesis and Characterization of New Poly(thieno[3,4-d]thiazole) Derivatives for Photovoltaic Applications. Macromolecules, 2011, 44, 7184-7187.	4.8	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. <i>Organic Letters</i> , 2011, 13, 38-41.	4.6	73
110	Conducting polymers: Efficient thermoelectric materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 467-475.	2.1	310
111	Rational Design of Poly(2,7-Carbazole) Derivatives for Photovoltaic Applications. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 13-18.	1.4	31
112	Synthesis and Characterization of New Thieno[3,4- <i>c</i>]pyrrole-4,6-dione Derivatives for Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2011, 21, 718-728.	14.9	170
113	High Efficiency Polymer Solar Cells with Long Operating Lifetimes. <i>Advanced Energy Materials</i> , 2011, 1, 491-494.	19.5	395
114	Energy level alignments at poly[N-9-octylhepta-decanyl-2,7-carbazole-alt-5,5-(4,7-di-2-thienyl-2,1,3-benzothiadiazole)] on metal and polymer interfaces. <i>Chemical Physics Letters</i> , 2011, 503, 101-104.		
115	Charge carrier photogeneration and decay dynamics in the poly(2,7-carbazole) copolymer PCDTBT and in bulk heterojunction composites with $\langle \text{PC} \rangle_{70} \langle \text{P} \rangle_{30}$ <i>Physical Review B</i> , 2010, 81,	3.2	117
116	A Thieno[3,4- <i>c</i>]pyrrole-4,6-dione-Based Copolymer for Efficient Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 5330-5331.	13.7	747
117	A Thermally Stable Semiconducting Polymer. <i>Advanced Materials</i> , 2010, 22, 1253-1257.	21.0	165
118	Solar Energy Production and Energy Efficient Lighting: Photovoltaic Devices and White Light Emitting Diodes Using Poly(2,7-fluorene), Poly(2,7-carbazole), and Poly(2,7-dibenzosilole) Derivatives. <i>Advanced Materials</i> , 2010, 22, E6-E27.	21.0	220
119	A New Dithienylbenzotriazole-Based Poly(2,7-carbazole) for Efficient Photovoltaics. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 2026-2033.	2.2	49
120	New Low Bandgap Dithienylbenzothiadiazole Vinylene Based Copolymers: Synthesis and Photovoltaic Properties. <i>Macromolecular Rapid Communications</i> , 2010, 31, 391-398.	3.9	44
121	Synthesis of New Pyridazine-Based Monomers and Related Polymers for Photovoltaic Applications. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1090-1094.	3.9	27
122	Solvent effect and device optimization of diketopyrrolopyrrole and carbazole copolymer based solar cells. <i>Organic Electronics</i> , 2010, 11, 1053-1058.	2.6	40
123	Synthesis and characterization of soluble indolo[3,2- <i>b</i>]carbazole derivatives for organic field-effect transistors. <i>Organic Electronics</i> , 2010, 11, 1649-1659.	2.6	59
124	Structural, electronic, and optical properties of novel indolocarbazole-based conjugated derivatives. <i>Computational and Theoretical Chemistry</i> , 2010, 962, 33-37.	1.5	7
125	Bulk heterojunction solar cells based on a low-bandgap carbazole-diketopyrrolopyrrole copolymer. <i>Applied Physics Letters</i> , 2010, 97, 203303.	3.3	47
126	Exciton Formation, Relaxation, and Decay in PCDTBT. <i>Journal of the American Chemical Society</i> , 2010, 132, 17459-17470.	13.7	190

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127	Germafluorenes: New Heterocycles for Plastic Electronics. <i>Macromolecules</i> , 2010, 43, 2328-2333.	4.8	116
128	Polycarbazoles for plastic electronics. <i>Polymer Chemistry</i> , 2010, 1, 127-136.	3.9	172
129	Highly efficient polycarbazole-based organic photovoltaic devices. <i>Applied Physics Letters</i> , 2009, 95, 063304.	3.3	107
130	High efficiency polymer solar cells with internal quantum efficiency approaching 100%. , 2009, , .		3
131	New Copolymers Based on Acenaphtho[1,2-b]thieno[3,4-e]Pyrazine for Transistor and Solar Cell Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1197, 13.	0.1	0
132	Bulk heterojunction solar cells with internal quantum efficiency approaching 100%. <i>Nature Photonics</i> , 2009, 3, 297-302.	31.4	3,903
133	Synthesis and Characterization of New Low-Bandgap Diketopyrrolopyrrole-Based Copolymers. <i>Macromolecules</i> , 2009, 42, 6361-6365.	4.8	162
134	A High-Mobility Low-Bandgap Poly(2,7-carbazole) Derivative for Photovoltaic Applications. <i>Macromolecules</i> , 2009, 42, 2891-2894.	4.8	232
135	Electrical and Thermoelectric Properties of Poly(2,7-Carbazole) Derivatives. <i>Chemistry of Materials</i> , 2009, 21, 751-757.	6.7	171
136	Highly efficient organic solar cells based on a poly(2,7-carbazole) derivative. <i>Journal of Materials Chemistry</i> , 2009, 19, 5351.	6.7	185
137	Multicolored Electrochromic Cells Based On Poly(2,7-Carbazole) Derivatives For Adaptive Camouflage. <i>Chemistry of Materials</i> , 2009, 21, 1504-1513.	6.7	158
138	New indolo[3,2-b]carbazole derivatives for field-effect transistor applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 2921.	6.7	80
139	2008 Macromolecular Science and Engineering Division Award Lecture "Conjugated polymers: From micro-electronics to genomics. <i>Canadian Journal of Chemistry</i> , 2009, 87, 1201-1208.	1.1	6
140	Fluorescence Signal Amplification for Ultrasensitive DNA Detection. <i>Reviews in Fluorescence</i> , 2009, , 179-197.	0.5	4
141	Structure and Segmental Motions in a Substituted Polythiophene: A Solid-State NMR Study. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2455-2462.	2.2	14
142	Poly(2,7-carbazole)s: Structure~Property Relationships. <i>Accounts of Chemical Research</i> , 2008, 41, 1110-1119.	15.6	455
143	Optical Detection of DNA and Proteins with Cationic Polythiophenes. <i>Accounts of Chemical Research</i> , 2008, 41, 168-178.	15.6	492
144	Charge Transport, Photovoltaic, and Thermoelectric Properties of Poly(2,7-Carbazole) and Poly(Indolo[3,2-b]Carbazole) Derivatives. <i>Polymer Reviews</i> , 2008, 48, 432-462.	10.9	133

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145	Poly(2,7-carbazole)s and Related Polymers. <i>Advances in Polymer Science</i> , 2008, , 99-124.	0.8	57
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