

# Mario Leclerc

## List of Publications by Year in descending order

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257  
papers

37,268  
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3325

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278  
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278  
docs citations

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times ranked

19502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. <i>Joule</i> , 2019, 3, 1140-1151.	11.7	4,052
2	Bulk heterojunction solar cells with internal quantum efficiency approaching 100%. <i>Nature Photonics</i> , 2009, 3, 297-302.	15.6	3,903
3	Toward a Rational Design of Poly(2,7-Carbazole) Derivatives for Solar Cells. <i>Journal of the American Chemical Society</i> , 2008, 130, 732-742.	6.6	1,328
4	A Low-Bandgap Poly(2,7-Carbazole) Derivative for Use in High-Performance Solar Cells. <i>Advanced Materials</i> , 2007, 19, 2295-2300.	11.1	1,211
5	Bulk Heterojunction Solar Cells Using Thieno[3,4- <i>c</i> ]pyrrole-4,6-dione and Dithieno[3,2- <i>b</i> :2',3'- <i>d</i> ]silole Copolymer with a Power Conversion Efficiency of 7.3%. <i>Journal of the American Chemical Society</i> , 2011, 133, 4250-4253.	6.6	1,047
6	Processable Low-Bandgap Polymers for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2011, 23, 456-469.	3.2	790
7	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.	6.6	747
8	Polyfluorenes: Twenty years of progress. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2867-2873.	2.5	600
9	Polycarbazoles: 25 Years of Progress. <i>Macromolecular Rapid Communications</i> , 2005, 26, 761-778.	2.0	597
10	New Well-Defined Poly(2,7-fluorene) Derivatives: Photoluminescence and Base Doping. <i>Macromolecules</i> , 1997, 30, 7686-7691.	2.2	585
11	Optical Sensors Based on Hybrid Aptamer/Conjugated Polymer Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 1384-1387.	6.6	519
12	Optical Detection of DNA and Proteins with Cationic Polythiophenes. <i>Accounts of Chemical Research</i> , 2008, 41, 168-178.	7.6	492
13	Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1548-1551.	7.2	472
14	Poly(2,7-carbazole)s: Structure-Property Relationships. <i>Accounts of Chemical Research</i> , 2008, 41, 1110-1119.	7.6	455
15	Direct (Hetero)arylation: A New Tool for Polymer Chemists. <i>Accounts of Chemical Research</i> , 2013, 46, 1597-1605.	7.6	412
16	Direct (Hetero)arylation Polymerization: Simplicity for Conjugated Polymer Synthesis. <i>Chemical Reviews</i> , 2016, 116, 14225-14274.	23.0	402
17	High Efficiency Polymer Solar Cells with Long Operating Lifetimes. <i>Advanced Energy Materials</i> , 2011, 1, 491-494.	10.2	395
18	Fluorescent Polymeric Transducer for the Rapid, Simple, and Specific Detection of Nucleic Acids at the Zeptomole Level. <i>Journal of the American Chemical Society</i> , 2004, 126, 4240-4244.	6.6	344

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19	Structural analysis of poly(3-alkylthiophene)s. <i>Die Makromolekulare Chemie</i> , 1989, 190, 3105-3116.	1.1	332
20	Conducting polymers: Efficient thermoelectric materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 467-475.	2.4	310
21	Fused Benzothiadiazole: A Building Block for n-Type Organic Acceptor to Achieve High-Performance Organic Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1807577.	11.1	297
22	Synthesis and characterization of poly(alkylanilines). <i>Macromolecules</i> , 1989, 22, 649-653.	2.2	295
23	Small-Bandgap Polymer Solar Cells with Unprecedented Short-Circuit Current Density and High Fill Factor. <i>Advanced Materials</i> , 2015, 27, 3318-3324.	11.1	294
24	New Colorimetric and Fluorometric Chemosensor Based on a Cationic Polythiophene Derivative for Iodide-Specific Detection. <i>Journal of the American Chemical Society</i> , 2003, 125, 4412-4413.	6.6	290
25	Prion strain discrimination using luminescent conjugated polymers. <i>Nature Methods</i> , 2007, 4, 1023-1030.	9.0	261
26	New conjugated polymers for plastic solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 1225.	15.6	257
27	Bithiopheneimide-Dithienosilole/Dithienogermole Copolymers for Efficient Solar Cells: Information from Structure-Property-Device Performance Correlations and Comparison to Thieno[3,4-c]pyrrole-4,6-dione Analogues. <i>Journal of the American Chemical Society</i> , 2012, 134, 18427-18439.	6.6	257
28	Direct Molecular Detection of Nucleic Acids by Fluorescence Signal Amplification. <i>Journal of the American Chemical Society</i> , 2005, 127, 12673-12676.	6.6	255
29	Light-Emitting Diodes from Fluorene-Based $\pi$ -Conjugated Polymers. <i>Chemistry of Materials</i> , 2000, 12, 1931-1936.	3.2	252
30	Syntheses of Conjugated Polymers Derived from N-Alkyl-2,7-carbazoles. <i>Macromolecules</i> , 2001, 34, 4680-4682.	2.2	246
31	A High-Mobility Low-Bandgap Poly(2,7-carbazole) Derivative for Photovoltaic Applications. <i>Macromolecules</i> , 2009, 42, 2891-2894.	2.2	232
32	Synthesis of 5-Alkyl[3,4-c]thienopyrrole-4,6-dione-Based Polymers by Direct Heteroarylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2068-2071.	7.2	232
33	A-DA-D-A non-fullerene acceptors for high-performance organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 1352-1366.	4.2	226
34	Effects of the Molecular Weight and the Side-Chain Length on the Photovoltaic Performance of Dithienosilole/Thienopyrrolodione Copolymers. <i>Advanced Functional Materials</i> , 2012, 22, 2345-2351.	7.8	223
35	Electrochemical, Conductive, and Magnetic Properties of 2,7-Carbazole-Based Conjugated Polymers. <i>Macromolecules</i> , 2002, 35, 2122-2128.	2.2	221
36	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.	11.1	220

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37	Direct (Hetero)arylation Polymerization: Trends and Perspectives. <i>Journal of the American Chemical Society</i> , 2016, 138, 10056-10071.	6.6	211
38	Synthesis, Characterization, and Application of Indolo[3,2-b]carbazole Semiconductors. <i>Journal of the American Chemical Society</i> , 2007, 129, 9125-9136.	6.6	208
39	Electrical and optical properties of Processable Polythiophene Derivatives: Structure-Property relationships. <i>Advanced Materials</i> , 1997, 9, 1087-1094.	11.1	207
40	Exciton Formation, Relaxation, and Decay in PCDTBT. <i>Journal of the American Chemical Society</i> , 2010, 132, 17459-17470.	6.6	190
41	2,7-Carbazole-Based Conjugated Polymers for Blue, Green, and Red Light Emission. <i>Macromolecules</i> , 2002, 35, 8413-8417.	2.2	187
42	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
43	Organic Microelectronics: Design, Synthesis, and Characterization of 6,12-Dimethylindolo[3,2-b]Carbazoles. <i>Chemistry of Materials</i> , 2004, 16, 4386-4388.	3.2	177
44	Optical Sensors Based on Hybrid DNA/Conjugated Polymer Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 1718-1724.	1.7	175
45	Low-Bandgap Non-fullerene Acceptors Enabling High-Performance Organic Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 598-608.	8.8	175
46	Polycarbazoles for plastic electronics. <i>Polymer Chemistry</i> , 2010, 1, 127-136.	1.9	172
47	Electrical and Thermoelectric Properties of Poly(2,7-Carbazole) Derivatives. <i>Chemistry of Materials</i> , 2009, 21, 751-757.	3.2	171
48	PCDTBT: en route for low cost plastic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11097.	5.2	171
49	Label-Free Electrochemical Detection of Protein Based on a Ferrocene-Bearing Cationic Polythiophene and Aptamer. <i>Analytical Chemistry</i> , 2006, 78, 4727-4731.	3.2	170
50	Synthesis and Characterization of New Thieno[3,4-c]pyrrole-4,6-dione Derivatives for Photovoltaic Applications. <i>Advanced Functional Materials</i> , 2011, 21, 718-728.	7.8	170
51	A Thermally Stable Semiconducting Polymer. <i>Advanced Materials</i> , 2010, 22, 1253-1257.	11.1	165
52	Syntheses and Characterization of Electroactive and Photoactive 2,7-Carbazolenevinylene-Based Conjugated Oligomers and Polymers. <i>Chemistry of Materials</i> , 2004, 16, 4619-4626.	3.2	164
53	Synthesis and Characterization of New Low-Bandgap Diketopyrrolopyrrole-Based Copolymers. <i>Macromolecules</i> , 2009, 42, 6361-6365.	2.2	162
54	Synthesis and Characterization of Polyaniline Derivatives: Poly(2-alkoxyanilines) and Poly(2,5-dialkoxyanilines). <i>Chemistry of Materials</i> , 1995, 7, 33-42.	3.2	159

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55	Multicolored Electrochromic Cells Based On Poly(2,7-Carbazole) Derivatives For Adaptive Camouflage. <i>Chemistry of Materials</i> , 2009, 21, 1504-1513.	3.2	158
56	Theoretical and Experimental Investigations of the Spectroscopic and Photophysical Properties of Fluorene-Phenylene and Fluorene-Thiophene Derivatives: Precursors of Light-Emitting Polymers. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9118-9125.	1.2	151
57	A New Poly(2,7-Dibenzosilole) Derivative in Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2176-2179.	2.0	150
58	Reducing Voltage Losses in the A-DA <sup>2</sup> D-A Acceptor-Based Organic Solar Cells. <i>CheM</i> , 2020, 6, 2147-2161.	5.8	150
59	Toward the Development of New Textile/Plastic Electrochromic Cells Using Triphenylamine-Based Copolymers. <i>Chemistry of Materials</i> , 2006, 18, 4011-4018.	3.2	143
60	2,7-Carbazolenevinylene-Based Oligomer Thin-Film Transistors: High Mobility Through Structural Ordering. <i>Advanced Functional Materials</i> , 2005, 15, 1671-1682.	7.8	139
61	Chromic Phenomena in Regioregular and Nonregioregular Polythiophene Derivatives. <i>Chemistry of Materials</i> , 1995, 7, 1390-1396.	3.2	138
62	Bioinspiration in light harvesting and catalysis. <i>Nature Reviews Materials</i> , 2020, 5, 828-846.	23.3	136
63	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.	1.3	135
64	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.	5.3	133
65	Recent Progress on Indoor Organic Photovoltaics: From Molecular Design to Production Scale. <i>ACS Energy Letters</i> , 2020, 5, 1186-1197.	8.8	131
66	Highly Conducting Water-Soluble Polythiophene Derivatives. <i>Chemistry of Materials</i> , 1997, 9, 2902-2905.	3.2	130
67	Ferrocene-Functionalized Cationic Polythiophene for the Label-Free Electrochemical Detection of DNA. <i>Advanced Materials</i> , 2005, 17, 1251-1254.	11.1	120
68	Synthesis and Thermoelectric Properties of Polycarbazole, Polyindolocarbazole, and Polydiindolocarbazole Derivatives. <i>Chemistry of Materials</i> , 2007, 19, 2128-2138.	3.2	119
69	Charge carrier photogeneration and decay dynamics in the poly(2,7-carbazole) copolymer PCDTBT and in bulk heterojunction composites with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{PC} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 70 \langle \text{mml:mtext} \rangle$	1.1	117
70	Synthesis of 2,7-Carbazolenevinylene-Based Copolymers and Characterization of Their Photovoltaic Properties. <i>Advanced Functional Materials</i> , 2006, 16, 1694-1704.	7.8	116
71	Germafluorenes: New Heterocycles for Plastic Electronics. <i>Macromolecules</i> , 2010, 43, 2328-2333.	2.2	116
72	Thermochromic properties of polythiophenes: structural aspects. <i>Die Makromolekulare Chemie</i> , 1993, 194, 869-877.	1.1	115

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73	Ionochromic and Thermo-chromic Phenomena in a Regioregular Polythiophene Derivative Bearing Oligo(oxyethylene) Side Chains. <i>Chemistry of Materials</i> , 1996, 8, 2843-2849.	3.2	114
74	Protein Detecting Arrays Based on Cationic Polythiophene-DNA-Aptamer Complexes. <i>Advanced Materials</i> , 2006, 18, 2703-2707.	11.1	113
75	Synthesis of Diindolocarbazoles by Ullmann Reaction: A Rapid Route to Ladder Oligo(p-aniline)s. <i>Organic Letters</i> , 2004, 6, 3413-3416.	2.4	111
76	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.	11.1	111
77	Realizing the full potential of conjugated polymers: innovation in polymer synthesis. <i>Materials Horizons</i> , 2016, 3, 11-20.	6.4	111
78	Molecular Design and Characterization of Chromic Polyfluorene Derivatives. <i>Macromolecules</i> , 2000, 33, 5874-5879.	2.2	109
79	A Theoretical, Spectroscopic, and Photophysical Study of 2,7-Carbazolenevinylene-Based Conjugated Derivatives. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6953-6959.	1.1	109
80	Highly efficient polycarbazole-based organic photovoltaic devices. <i>Applied Physics Letters</i> , 2009, 95, 063304.	1.5	107
81	Rod-to-coil transition in alkoxy-substituted polythiophenes. <i>Macromolecules</i> , 1992, 25, 2141-2144.	2.2	105
82	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.	1.4	103
83	Development of quinoxaline based polymers for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1858-1879.	2.7	103
84	Conjugated Polymers À la Carte from Time-Controlled Direct (Hetero)Arylation Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 21-24.	2.3	101
85	Synthesis of Diindolocarbazoles by Cadogan Reaction: A Route to Ladder Oligo(p-aniline)s. <i>Journal of Organic Chemistry</i> , 2004, 69, 5705-5711.	1.7	99
86	A New Terthiophene-Thienopyrrolodione Copolymer-Based Bulk Heterojunction Solar Cell with High Open-Circuit Voltage. <i>Advanced Energy Materials</i> , 2012, 2, 1397-1403.	10.2	98
87	Responsive Supramolecular Polythiophene Assemblies. <i>Journal of the American Chemical Society</i> , 1998, 120, 5274-5278.	6.6	97
88	Stabilization and characterization of pernigraniline salt: the "acid-doped" form of fully oxidized polyanilines. <i>Macromolecules</i> , 1992, 25, 2145-2150.	2.2	96
89	Breaking Down the Problem: Optical Transitions, Electronic Structure, and Photoconductivity in Conjugated Polymer PCDTBT and in Its Separate Building Blocks. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11456-11469.	1.5	96
90	New Base-Doped Polyfluorene Derivatives. <i>Macromolecules</i> , 1999, 32, 3306-3313.	2.2	95

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91	Photophysics and Solvent-Induced Aggregation of 2,7-Carbazole-Based Conjugated Polymers. <i>Macromolecules</i> , 2005, 38, 880-887.	2.2	95
92	Synthesis and Photovoltaic Properties of Poly(dithieno[3,2- <i>b</i> :5,4- <i>d'</i> ]germole) Derivatives. <i>Macromolecules</i> , 2011, 44, 7188-7193.	2.2	94
93	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.	1.7	93
94	Additive-Free Bulk Heterojunction Solar Cells with Enhanced Power Conversion Efficiency, Comprising a Newly Designed Selenophene-Thienopyrrolodione Copolymer. <i>Advanced Functional Materials</i> , 2013, 23, 1297-1304.	7.8	93
95	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.	1.4	92
96	Synthesis of new n-type isoindigo copolymers. <i>Polymer Chemistry</i> , 2013, 4, 1836.	1.9	91
97	Blue light-emitting devices from new conjugated poly(N-substituted-2,7-carbazole) derivatives. <i>Applied Physics Letters</i> , 2002, 80, 341-343.	1.5	89
98	High-efficiency inverted solar cells based on a low bandgap polymer with excellent air stability. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 155-159.	3.0	89
99	Increasing Polymer Solar Cell Fill Factor by Trap-Filling with F4TCNQ at Parts Per Thousand Concentration. <i>Advanced Materials</i> , 2016, 28, 6491-6496.	11.1	85
100	High-efficiency photovoltaic cells with wide optical band gap polymers based on fluorinated phenylene-alkoxybenzothiadiazole. <i>Energy and Environmental Science</i> , 2017, 10, 1443-1455.	15.6	84
101	Novel Dual Photochromism in Polythiophene Derivatives. <i>Macromolecules</i> , 1997, 30, 4347-4352.	2.2	82
102	Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives. <i>Angewandte Chemie</i> , 2002, 114, 1618-1621.	1.6	82
103	Effect of mixed solvents on PCDTBT:PC70BM based solar cells. <i>Organic Electronics</i> , 2011, 12, 1788-1793.	1.4	82
104	Solvatochromic Properties of 2,7-Carbazole-Based Conjugated Polymers. <i>Macromolecules</i> , 2003, 36, 4624-4630.	2.2	80
105	New indolo[3,2- <i>b</i> ]carbazole derivatives for field-effect transistor applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 2921.	6.7	80
106	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.	2.2	79
107	Design of novel electroactive polybithiophene derivatives. <i>Macromolecules</i> , 1993, 26, 2501-2507.	2.2	77
108	Conformational Analysis (ab Initio HF/3-21G*) and Optical Properties of Symmetrically Disubstituted Terthiophenes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5142-5149.	1.1	76

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109	A high mobility DPP-based polymer obtained via direct (hetero)arylation polymerization. <i>Polymer Chemistry</i> , 2015, 6, 278-282.	1.9	76
110	Potentialities of Semiempirical Calculations (AMPAC and INDO/S) in Determining the Conformation and Electronic Properties of 2,2'-Bithiophene: A New Joint Experimental and Theoretical Approach. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9450-9456.	2.9	75
111	Functional polythiophenes as optical chemo- and biosensors. <i>Tetrahedron</i> , 2004, 60, 11169-11173.	1.0	75
112	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.	10.2	75
113	Electroactive and Photoactive Poly[Isindigo- <i>alt</i> -EDOT] Synthesized Using Direct (Hetero)Arylation Polymerization in Batch and in Continuous Flow. <i>Chemistry of Materials</i> , 2015, 27, 2137-2143.	3.2	75
114	Intermolecular Interactions in Conjugated Oligothiophenes. 3. Optical and Photophysical Properties of Quaterthiophene and Substituted Quaterthiophenes in Various Environments. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3864-3875.	1.1	74
115	Steady-state and time-resolved studies of 2,7-carbazole-based conjugated polymers in solution and as thin films: determination of their solid state fluorescence quantum efficiencies. <i>Chemical Physics Letters</i> , 2003, 370, 799-804.	1.2	74
116	En Route to Defect-Free Polythiophene Derivatives by Direct Heteroarylation Polymerization. <i>Macromolecules</i> , 2015, 48, 5614-5620.	2.2	74
117	Towards a theoretical design of thermochromic polythiophenes. <i>Chemical Physics Letters</i> , 1997, 275, 533-539.	1.2	73
118	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.	2.4	73
119	Blue-Light-Emitting Conjugated Polymers Derived From 2,7-Carbazoles. <i>Macromolecular Rapid Communications</i> , 2002, 23, 1032-1036.	2.0	70
120	Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. <i>Chemical Science</i> , 2017, 8, 3913-3925.	3.7	70
121	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	1.1	69
122	Functionalized regioregular polythiophenes: towards the development of biochromic sensors. <i>Chemical Communications</i> , 1996, , 2761-2762.	2.2	68
123	Imide/amide based $\pi$ -conjugated polymers for organic electronics. <i>Progress in Polymer Science</i> , 2013, 38, 1815-1831.	11.8	68
124	Robust Direct (Hetero)arylation Polymerization in Biphasic Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 2816-2824.	6.6	68
125	Intermolecular Interactions in Conjugated Oligothiophenes. 1. Optical Spectra of Terthiophene and Substituted Terthiophenes Recorded in Various Environments. <i>Journal of Physical Chemistry A</i> , 1999, 103, 795-802.	1.1	65
126	Synthesis, Characterization, and Processing of New Electroactive and Photoactive Polyesters Derived from Oligothiophenes. <i>Chemistry of Materials</i> , 1997, 9, 2815-2821.	3.2	63



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127	A Versatile Approach to Affinitychromic Polythiophenes. Journal of the American Chemical Society, 2002, 124, 12463-12468.	6.6	63
128	Optical, Electrochemical, Magnetic, and Conductive Properties of New Polyindolocarbazoles and Polydiindolocarbazoles. Macromolecular Chemistry and Physics, 2006, 207, 166-174.	1.1	63
129	Reagentless Ultrasensitive Specific DNA Array Detection Based on Responsive Polymeric Biochips. Analytical Chemistry, 2006, 78, 7896-7899.	3.2	61
130	Synthesis, Characterization, and Langmuir-Blodgett Films of Fluorinated Polythiophenes. Macromolecules, 1994, 27, 1847-1851.	2.2	60
131	Highly soluble poly(2,7-carbazolenevinylene) for thermoelectrical applications: From theory to experiment. Reactive and Functional Polymers, 2005, 65, 23-36.	2.0	59
132	Detection of target DNA using fluorescent cationic polymer and peptide nucleic acid probes on solid support. BMC Biotechnology, 2005, 5, 10.	1.7	59
133	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
134	Thermochromic Properties of Polythiophene Derivatives: Formation of Localized and Delocalized Conformational Defects. Chemistry of Materials, 1994, 6, 620-624.	3.2	57
135	Poly(2,7-carbazole)s and Related Polymers. Advances in Polymer Science, 2008, , 99-124.	0.4	57
136	Thieno[3,4-c]pyrrole-4,6-dione-Based Polymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2013, 214, 7-16.	1.1	57
137	Effects of energetic disorder in bulk heterojunction organic solar cells. Energy and Environmental Science, 2022, 15, 2806-2818.	15.6	57
138	Controlled ionochromism with polythiophenes bearing crown ether side chains. Journal of Materials Chemistry, 1999, 9, 2133-2138.	6.7	56
139	Poly(2,7-carbazole) Derivatives as Semiconductors for Organic Thin-Film Transistors. Macromolecular Rapid Communications, 2007, 28, 1798-1803.	2.0	56
140	Work Function Control of Interfacial Buffer Layers for Efficient and Air-Stable Inverted Low-Bandgap Organic Photovoltaics. Advanced Energy Materials, 2012, 2, 361-368.	10.2	56
141	Green energy from a blue polymer. Nature Materials, 2011, 10, 409-410.	13.3	55
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