

Mario Leclerc

List of Publications by Year in descending order

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257
papers

37,268
citations

3334

91
h-index

2953

189
g-index

278
all docs

278
docs citations

278
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. | 24.0 | 4,052 |
| 2 | Bulk heterojunction solar cells with internal quantum efficiency approaching 100%. <i>Nature Photonics</i> , 2009, 3, 297-302. | 31.4 | 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. | 13.7 | 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. | 21.0 | 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. | 13.7 | 1,047 |
| 6 | Processable Low-Bandgap Polymers for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2011, 23, 456-469. | 6.7 | 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. | 13.7 | 747 |
| 8 | Polyfluorenes: Twenty years of progress. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2867-2873. | 2.3 | 600 |
| 9 | Polycarbazoles: 25 Years of Progress. <i>Macromolecular Rapid Communications</i> , 2005, 26, 761-778. | 3.9 | 597 |
| 10 | New Well-Defined Poly(2,7-fluorene) Derivatives: Photoluminescence and Base Doping. <i>Macromolecules</i> , 1997, 30, 7686-7691. | 4.8 | 585 |
| 11 | Optical Sensors Based on Hybrid Aptamer/Conjugated Polymer Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 1384-1387. | 13.7 | 519 |
| 12 | Optical Detection of DNA and Proteins with Cationic Polythiophenes. <i>Accounts of Chemical Research</i> , 2008, 41, 168-178. | 15.6 | 492 |
| 13 | Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1548-1551. | 13.8 | 472 |
| 14 | Poly(2,7-carbazole)s: Structure-Property Relationships. <i>Accounts of Chemical Research</i> , 2008, 41, 1110-1119. | 15.6 | 455 |
| 15 | Direct (Hetero)Arylation: A New Tool for Polymer Chemists. <i>Accounts of Chemical Research</i> , 2013, 46, 1597-1605. | 15.6 | 412 |
| 16 | Direct (Hetero)arylation Polymerization: Simplicity for Conjugated Polymer Synthesis. <i>Chemical Reviews</i> , 2016, 116, 14225-14274. | 47.7 | 402 |
| 17 | High Efficiency Polymer Solar Cells with Long Operating Lifetimes. <i>Advanced Energy Materials</i> , 2011, 1, 491-494. | 19.5 | 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. | 13.7 | 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. | 2.1 | 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. | 21.0 | 297 |
| 22 | Synthesis and characterization of poly(alkylanilines). <i>Macromolecules</i> , 1989, 22, 649-653. | 4.8 | 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. | 21.0 | 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. | 13.7 | 290 |
| 25 | Prion strain discrimination using luminescent conjugated polymers. <i>Nature Methods</i> , 2007, 4, 1023-1030. | 19.0 | 261 |
| 26 | New conjugated polymers for plastic solar cells. <i>Energy and Environmental Science</i> , 2011, 4, 1225. | 30.8 | 257 |
| 27 | 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 |
| 28 | Direct Molecular Detection of Nucleic Acids by Fluorescence Signal Amplification. <i>Journal of the American Chemical Society</i> , 2005, 127, 12673-12676. | 13.7 | 255 |
| 29 | Light-Emitting Diodes from Fluorene-Based π -Conjugated Polymers. <i>Chemistry of Materials</i> , 2000, 12, 1931-1936. | 6.7 | 252 |
| 30 | Syntheses of Conjugated Polymers Derived from N-Alkyl-2,7-carbazoles. <i>Macromolecules</i> , 2001, 34, 4680-4682. | 4.8 | 246 |
| 31 | A High-Mobility Low-Bandgap Poly(2,7-carbazole) Derivative for Photovoltaic Applications. <i>Macromolecules</i> , 2009, 42, 2891-2894. | 4.8 | 232 |
| 32 | Synthesis of 5-Alkyl[3,4- <i>c</i>]thienopyrrole-4,6-dione-Based Polymers by Direct Heteroarylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2068-2071. | 13.8 | 232 |
| 33 | A-DA ² D-A non-fullerene acceptors for high-performance organic solar cells. <i>Science China Chemistry</i> , 2020, 63, 1352-1366. | 8.2 | 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. | 14.9 | 223 |
| 35 | Electrochemical, Conductive, and Magnetic Properties of 2,7-Carbazole-Based Conjugated Polymers. <i>Macromolecules</i> , 2002, 35, 2122-2128. | 4.8 | 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. | 21.0 | 220 |

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|----|---|------|-----------|
| 37 | Direct (Hetero)arylation Polymerization: Trends and Perspectives. Journal of the American Chemical Society, 2016, 138, 10056-10071. | 13.7 | 211 |
| 38 | Synthesis, Characterization, and Application of Indolo[3,2-b]carbazole Semiconductors. Journal of the American Chemical Society, 2007, 129, 9125-9136. | 13.7 | 208 |
| 39 | Electrical and optical properties of Processable Polythiophene Derivatives: Structure-Property relationships. Advanced Materials, 1997, 9, 1087-1094. | 21.0 | 207 |
| 40 | Exciton Formation, Relaxation, and Decay in PCDTBT. Journal of the American Chemical Society, 2010, 132, 17459-17470. | 13.7 | 190 |
| 41 | 2,7-Carbazole-Based Conjugated Polymers for Blue, Green, and Red Light Emission. Macromolecules, 2002, 35, 8413-8417. | 4.8 | 187 |
| 42 | Highly efficient organic solar cells based on a poly(2,7-carbazole) derivative. Journal of Materials Chemistry, 2009, 19, 5351. | 6.7 | 185 |
| 43 | Organic Microelectronics: Design, Synthesis, and Characterization of 6,12-Dimethylindolo[3,2-b]Carbazoles. Chemistry of Materials, 2004, 16, 4386-4388. | 6.7 | 177 |
| 44 | Optical Sensors Based on Hybrid DNA/Conjugated Polymer Complexes. Chemistry - A European Journal, 2005, 11, 1718-1724. | 3.3 | 175 |
| 45 | Low-Bandgap Non-fullerene Acceptors Enabling High-Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 598-608. | 17.4 | 175 |
| 46 | Polycarbazoles for plastic electronics. Polymer Chemistry, 2010, 1, 127-136. | 3.9 | 172 |
| 47 | Electrical and Thermoelectric Properties of Poly(2,7-Carbazole) Derivatives. Chemistry of Materials, 2009, 21, 751-757. | 6.7 | 171 |
| 48 | PCDTBT: en route for low cost plastic solar cells. Journal of Materials Chemistry A, 2013, 1, 11097. | 10.3 | 171 |
| 49 | Label-Free Electrochemical Detection of Protein Based on a Ferrocene-Bearing Cationic Polythiophene and Aptamer. Analytical Chemistry, 2006, 78, 4727-4731. | 6.5 | 170 |
| 50 | Synthesis and Characterization of New Thieno[3,4-c]pyrrole-4,6-dione Derivatives for Photovoltaic Applications. Advanced Functional Materials, 2011, 21, 718-728. | 14.9 | 170 |
| 51 | A Thermally Stable Semiconducting Polymer. Advanced Materials, 2010, 22, 1253-1257. | 21.0 | 165 |
| 52 | Syntheses and Characterization of Electroactive and Photoactive 2,7-Carbazolenevinylene-Based Conjugated Oligomers and Polymers. Chemistry of Materials, 2004, 16, 4619-4626. | 6.7 | 164 |
| 53 | Synthesis and Characterization of New Low-Bandgap Diketopyrrolopyrrole-Based Copolymers. Macromolecules, 2009, 42, 6361-6365. | 4.8 | 162 |
| 54 | Synthesis and Characterization of Polyaniline Derivatives: Poly(2-alkoxyanilines) and Poly(2,5-dialkoxyanilines). Chemistry of Materials, 1995, 7, 33-42. | 6.7 | 159 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Multicolored Electrochromic Cells Based On Poly(2,7-Carbazole) Derivatives For Adaptive Camouflage. Chemistry of Materials, 2009, 21, 1504-1513. | 6.7 | 158 |
| 56 | Theoretical and Experimental Investigations of the Spectroscopic and Photophysical Properties of Fluorene-Phenylene and Fluorene-Thiophene Derivatives: Precursors of Light-Emitting Polymers. Journal of Physical Chemistry B, 2000, 104, 9118-9125. | 2.6 | 151 |
| 57 | A New Poly(2,7-Dibenzosilole) Derivative in Polymer Solar Cells. Macromolecular Rapid Communications, 2007, 28, 2176-2179. | 3.9 | 150 |
| 58 | Reducing Voltage Losses in the A-DA ² D-A Acceptor-Based Organic Solar Cells. Chem, 2020, 6, 2147-2161. | 11.7 | 150 |
| 59 | Toward the Development of New Textile/Plastic Electrochromic Cells Using Triphenylamine-Based Copolymers. Chemistry of Materials, 2006, 18, 4011-4018. | 6.7 | 143 |
| 60 | 2,7-Carbazolenevinylene-Based Oligomer Thin-Film Transistors: High Mobility Through Structural Ordering. Advanced Functional Materials, 2005, 15, 1671-1682. | 14.9 | 139 |
| 61 | Chromic Phenomena in Regioregular and Nonregioregular Polythiophene Derivatives. Chemistry of Materials, 1995, 7, 1390-1396. | 6.7 | 138 |
| 62 | Bioinspiration in light harvesting and catalysis. Nature Reviews Materials, 2020, 5, 828-846. | 48.7 | 136 |
| 63 | Highly-efficient charge separation and polaron delocalization in polymer-fullerene bulk-heterojunctions: a comparative multi-frequency EPR and DFT study. Physical Chemistry Chemical Physics, 2013, 15, 9562. | 2.8 | 135 |
| 64 | Charge Transport, Photovoltaic, and Thermoelectric Properties of Poly(2,7-Carbazole) and Poly(Indolo[3,2-b]Carbazole) Derivatives. Polymer Reviews, 2008, 48, 432-462. | 10.9 | 133 |
| 65 | Recent Progress on Indoor Organic Photovoltaics: From Molecular Design to Production Scale. ACS Energy Letters, 2020, 5, 1186-1197. | 17.4 | 131 |
| 66 | Highly Conducting Water-Soluble Polythiophene Derivatives. Chemistry of Materials, 1997, 9, 2902-2905. | 6.7 | 130 |
| 67 | Ferrocene-Functionalized Cationic Polythiophene for the Label-Free Electrochemical Detection of DNA. Advanced Materials, 2005, 17, 1251-1254. | 21.0 | 120 |
| 68 | Synthesis and Thermoelectric Properties of Polycarbazole, Polyindolocarbazole, and Polydiindolocarbazole Derivatives. Chemistry of Materials, 2007, 19, 2128-2138. | 6.7 | 119 |
| 69 | Charge carrier photogeneration and decay dynamics in the poly(2,7-carbazole) copolymer PCDTBT and in bulk heterojunction composites with PC_{70}BM . Physical Review B, 2010, 81, . | 3.2 | 117 |
| 70 | Synthesis of 2,7-Carbazolenevinylene-Based Copolymers and Characterization of Their Photovoltaic Properties. Advanced Functional Materials, 2006, 16, 1694-1704. | 14.9 | 116 |
| 71 | Germafluorenes: New Heterocycles for Plastic Electronics. Macromolecules, 2010, 43, 2328-2333. | 4.8 | 116 |
| 72 | Thermochromic properties of polythiophenes: structural aspects. Die Makromolekulare Chemie, 1993, 194, 869-877. | 1.1 | 115 |

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|----|--|------|-----------|
| 73 | Ionochromic and Thermochromic Phenomena in a Regioregular Polythiophene Derivative Bearing Oligo(oxyethylene) Side Chains. Chemistry of Materials, 1996, 8, 2843-2849. | 6.7 | 114 |
| 74 | Protein Detecting Arrays Based on Cationic Polythiopheneâ€DNA-Aptamer Complexes. Advanced Materials, 2006, 18, 2703-2707. | 21.0 | 113 |
| 75 | Synthesis of Diindolocarbazoles by Ullmann Reaction:â€ A Rapid Route to Ladder Oligo(p-aniline)s. Organic Letters, 2004, 6, 3413-3416. | 4.6 | 111 |
| 76 | 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. | 21.0 | 111 |
| 77 | Realizing the full potential of conjugated polymers: innovation in polymer synthesis. Materials Horizons, 2016, 3, 11-20. | 12.2 | 111 |
| 78 | Molecular Design and Characterization of Chromic Polyfluorene Derivatives. Macromolecules, 2000, 33, 5874-5879. | 4.8 | 109 |
| 79 | A Theoretical, Spectroscopic, and Photophysical Study of 2,7-Carbazolenevinylene-Based Conjugated Derivatives. Journal of Physical Chemistry A, 2005, 109, 6953-6959. | 2.5 | 109 |
| 80 | Highly efficient polycarbazole-based organic photovoltaic devices. Applied Physics Letters, 2009, 95, 063304. | 3.3 | 107 |
| 81 | Rod-to-coil transition in alkoxy-substituted polythiophenes. Macromolecules, 1992, 25, 2141-2144. | 4.8 | 105 |
| 82 | Control of the active layer nanomorphology by using co-additives towards high-performance bulk heterojunction solar cells. Organic Electronics, 2012, 13, 1736-1741. | 2.6 | 103 |
| 83 | Development of quinoxaline based polymers for photovoltaic applications. Journal of Materials Chemistry C, 2017, 5, 1858-1879. | 5.5 | 103 |
| 84 | Conjugated Polymers Ã la Carte from Time-Controlled Direct (Hetero)Arylation Polymerization. ACS Macro Letters, 2015, 4, 21-24. | 4.8 | 101 |
| 85 | Synthesis of Diindolocarbazoles by Cadogan Reaction:Ã Route to Ladder Oligo(p-aniline)s. Journal of Organic Chemistry, 2004, 69, 5705-5711. | 3.2 | 99 |
| 86 | A New Terthiopheneâ€Thienopyrrolodione Copolymerâ€Based Bulk Heterojunction Solar Cell with High Openâ€Circuit Voltage. Advanced Energy Materials, 2012, 2, 1397-1403. | 19.5 | 98 |
| 87 | Responsive Supramolecular Polythiophene Assemblies. Journal of the American Chemical Society, 1998, 120, 5274-5278. | 13.7 | 97 |
| 88 | Stabilization and characterization of pernigraniline salt: the "acid-doped" form of fully oxidized polyanilines. Macromolecules, 1992, 25, 2145-2150. | 4.8 | 96 |
| 89 | 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 |
| 90 | New Base-Doped Polyfluorene Derivatives. Macromolecules, 1999, 32, 3306-3313. | 4.8 | 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. | 4.8 | 95 |
| 92 | Synthesis and Photovoltaic Properties of Poly(dithieno[3,2- <i>b</i> :5,4- <i>b'</i>]germole) Derivatives. <i>Macromolecules</i> , 2011, 44, 7188-7193. | 4.8 | 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. | 3.2 | 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. | 14.9 | 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. | 2.6 | 92 |
| 96 | Synthesis of new n-type isoindigo copolymers. <i>Polymer Chemistry</i> , 2013, 4, 1836. | 3.9 | 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. | 3.3 | 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. | 6.2 | 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. | 21.0 | 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. | 30.8 | 84 |
| 101 | Novel Dual Photochromism in Polythiophene Derivatives. <i>Macromolecules</i> , 1997, 30, 4347-4352. | 4.8 | 82 |
| 102 | Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives. <i>Angewandte Chemie</i> , 2002, 114, 1618-1621. | 2.0 | 82 |
| 103 | Effect of mixed solvents on PCDTBT:PC70BM based solar cells. <i>Organic Electronics</i> , 2011, 12, 1788-1793. | 2.6 | 82 |
| 104 | Solvatochromic Properties of 2,7-Carbazole-Based Conjugated Polymers. <i>Macromolecules</i> , 2003, 36, 4624-4630. | 4.8 | 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. | 4.8 | 79 |
| 107 | Design of novel electroactive polybithiophene derivatives. <i>Macromolecules</i> , 1993, 26, 2501-2507. | 4.8 | 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. | 2.5 | 76 |

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|-----|---|------|-----------|
| 109 | A high mobility DPP-based polymer obtained via direct (hetero)arylation polymerization. Polymer Chemistry, 2015, 6, 278-282. | 3.9 | 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. The Journal of Physical Chemistry, 1994, 98, 9450-9456. | 2.9 | 75 |
| 111 | Functional polythiophenes as optical chemo- and biosensors. Tetrahedron, 2004, 60, 11169-11173. | 1.9 | 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. Advanced Energy Materials, 2013, 3, 478-487. | 19.5 | 75 |
| 113 | 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. | 6.7 | 75 |
| 114 | Intermolecular Interactions in Conjugated Oligothiophenes. 3. Optical and Photophysical Properties of Quaterthiophene and Substituted Quaterthiophenes in Various Environments. Journal of Physical Chemistry A, 1999, 103, 3864-3875. | 2.5 | 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. Chemical Physics Letters, 2003, 370, 799-804. | 2.6 | 74 |
| 116 | En Route to Defect-Free Polythiophene Derivatives by Direct Heteroarylation Polymerization. Macromolecules, 2015, 48, 5614-5620. | 4.8 | 74 |
| 117 | Towards a theoretical design of thermochromic polythiophenes. Chemical Physics Letters, 1997, 275, 533-539. | 2.6 | 73 |
| 118 | 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. | 4.6 | 73 |
| 119 | Blue-Light-Emitting Conjugated Polymers Derived From 2,7-Carbazoles. Macromolecular Rapid Communications, 2002, 23, 1032-1036. | 3.9 | 70 |
| 120 | Direct heteroarylation polymerization: guidelines for defect-free conjugated polymers. Chemical Science, 2017, 8, 3913-3925. | 7.4 | 70 |
| 121 | The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216. | 2.2 | 69 |
| 122 | Functionalized regioregular polythiophenes: towards the development of biochromic sensors. Chemical Communications, 1996, , 2761-2762. | 4.1 | 68 |
| 123 | Imide/amide based π -conjugated polymers for organic electronics. Progress in Polymer Science, 2013, 38, 1815-1831. | 24.7 | 68 |
| 124 | Robust Direct (Hetero)arylation Polymerization in Biphasic Conditions. Journal of the American Chemical Society, 2017, 139, 2816-2824. | 13.7 | 68 |
| 125 | Intermolecular Interactions in Conjugated Oligothiophenes. 1. Optical Spectra of Terthiophene and Substituted Terthiophenes Recorded in Various Environments. Journal of Physical Chemistry A, 1999, 103, 795-802. | 2.5 | 65 |
| 126 | Synthesis, Characterization, and Processing of New Electroactive and Photoactive Polyesters Derived from Oligothiophenes. Chemistry of Materials, 1997, 9, 2815-2821. | 6.7 | 63 |

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|-----|---|------|-----------|
| 127 | A Versatile Approach to Affinitychromic Polythiophenes. Journal of the American Chemical Society, 2002, 124, 12463-12468. | 13.7 | 63 |
| 128 | Optical, Electrochemical, Magnetic, and Conductive Properties of New Polyindolocarbazoles and Polydiindolocarbazoles. Macromolecular Chemistry and Physics, 2006, 207, 166-174. | 2.2 | 63 |
| 129 | Reagentless Ultrasensitive Specific DNA Array Detection Based on Responsive Polymeric Biochips. Analytical Chemistry, 2006, 78, 7896-7899. | 6.5 | 61 |
| 130 | Synthesis, Characterization, and Langmuir-Blodgett Films of Fluorinated Polythiophenes. Macromolecules, 1994, 27, 1847-1851. | 4.8 | 60 |
| 131 | Highly soluble poly(2,7-carbazolenevinylene) for thermoelectrical applications: From theory to experiment. Reactive and Functional Polymers, 2005, 65, 23-36. | 4.1 | 59 |
| 132 | Detection of target DNA using fluorescent cationic polymer and peptide nucleic acid probes on solid support. BMC Biotechnology, 2005, 5, 10. | 3.3 | 59 |
| 133 | Synthesis and characterization of soluble indolo[3,2-b]carbazole derivatives for organic field-effect transistors. Organic Electronics, 2010, 11, 1649-1659. | 2.6 | 59 |
| 134 | Thermochromic Properties of Polythiophene Derivatives: Formation of Localized and Delocalized Conformational Defects. Chemistry of Materials, 1994, 6, 620-624. | 6.7 | 57 |
| 135 | Poly(2,7-carbazole)s and Related Polymers. Advances in Polymer Science, 2008, , 99-124. | 0.8 | 57 |
| 136 | Thieno[3,4-c]pyrrole-4,6-dione-Based Polymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2013, 214, 7-16. | 2.2 | 57 |
| 137 | Effects of energetic disorder in bulk heterojunction organic solar cells. Energy and Environmental Science, 2022, 15, 2806-2818. | 30.8 | 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. | 3.9 | 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. | 19.5 | 56 |
| 141 | Green energy from a blue polymer. Nature Materials, 2011, 10, 409-410. | 27.5 | 55 |
| 142 | Design of new conducting 3,4-disubstituted polythiophenes. Journal of the Chemical Society Chemical Communications, 1990, , 273. | 2.0 | 54 |
| 143 | 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 |
| 144 | Electrochemical characterization of monolayers of a biotinylated polythiophene: towards the development of polymeric biosensors. Chemical Communications, 2000, , 1847-1848. | 4.1 | 50 |

| # | ARTICLE | IF | CITATIONS |
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