

# Mingliang Sun

## List of Publications by Citations

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116  
papers

1,996  
citations

25  
h-index

39  
g-index

117  
ext. papers

2,274  
ext. citations

6.8  
avg, IF

4.93  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 116 | A Simple Phenyl Group Introduced at the Tail of Alkyl Side Chains of Small Molecular Acceptors: New Strategy to Balance the Crystallinity of Acceptors and Miscibility of Bulk Heterojunction Enabling Highly Efficient Organic Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807832 | 24  | 150       |
| 115 | A universal halogen-free solvent system for highly efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12723-12729  | 13  | 90        |
| 114 | High-Performance Photovoltaic Polymers Employing Symmetry-Breaking Building Blocks. <i>Advanced Materials</i> , <b>2016</b> , 28, 8490-8498   | 24  | 86        |
| 113 | Ultrathin polyaniline-based buffer layer for highly efficient polymer solar cells with wide applicability. <i>Scientific Reports</i> , <b>2014</b> , 4, 6570  | 4.9 | 65        |
| 112 | Near-infrared response photovoltaic device based on novel narrow band gap small molecule and PCBM fabricated by solution processing. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1681-1687  | 6.4 | 64        |
| 111 | A new isoindigo-based molecule with ideal energy levels for solution-processable organic solar cells. <i>Dyes and Pigments</i> , <b>2013</b> , 98, 11-16  | 4.6 | 59        |
| 110 | Simple planar perovskite solar cells with a dopant-free benzodithiophene conjugated polymer as hole transporting material. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 10070-10073   | 7.1 | 54        |
| 109 | A FluoreneDxadiazole Copolymer for White Light-Emitting Electrochemical Cells. <i>Macromolecules</i> , <b>2010</b> , 43, 1714-1718  | 5.5 | 54        |
| 108 | Enhanced efficiency of polymer photovoltaic cells via the incorporation of a water-soluble naphthalene diimide derivative as a cathode interlayer. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9565-9571   | 7.1 | 49        |
| 107 | Subtle side-chain tuning on terminal groups of small molecule electron acceptors for efficient fullerene-free polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15175-15182   | 13  | 47        |
| 106 | Benzo[1,2-b:4,5-b']dithiophene and benzotriazole based small molecule for solution-processed organic solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 405-413  | 3.5 | 41        |
| 105 | High efficiency solution-processed two-dimensional small molecule organic solar cells obtained via low-temperature thermal annealing. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 15904-15911  | 13  | 41        |
| 104 | Synergistic effect of side-chain and backbone engineering in thieno[2,3-f]benzofuran-based conjugated polymers for high performance non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 958-964   | 13  | 39        |
| 103 | Terpolymer Strategy toward High-Efficiency Polymer Solar Cells: Integrating Symmetric Benzodithiophene and Asymmetrical Thieno[2,3-f]benzofuran Segments. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6163-6173   | 9.6 | 39        |
| 102 | Hyperconjugated side chained benzodithiophene and 4,7-di-2-thienyl-2,1,3-benzothiadiazole based polymer for solar cells. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2076   | 4.9 | 39        |
| 101 | Two-dimensional benzodithiophene and benzothiadiazole based solution-processed small molecular organic field-effect transistors & solar cells. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3921  | 7.1 | 39        |
| 100 | Solution-processed, indacenodithiophene-based, small-molecule organic field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7523   | 7.1 | 37        |

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|----|---|-----|----|
| 99 | Enhancement of photovoltaic performance by increasing conjugation of the acceptor unit in benzodithiophene and quinoxaline copolymers. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8047-8053                                   | 7.1 | 36 |
| 98 | Intra- and Intermolecular Steric Hindrance Effects Induced Higher Open-Circuit Voltage and Power Conversion Efficiency. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 361-366   | 6.6 | 35 |
| 97 | Rational design of asymmetric benzodithiophene based photovoltaic polymers for efficient solar cells. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 948-956  | 13  | 33 |
| 96 | Efficient fullerene-free solar cells with wide optical band gap polymers based on fluorinated benzotriazole and asymmetric benzodithiophene. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21650-21657 <sup>13</sup>             | 7.3 | 32 |
| 95 | Crystalline Medium-Bandgap Light-Harvesting Donor Material Based on $\pi$ -Naphthalene Asymmetric-Modified Benzodithiophene Moiety toward Efficient Polymer Solar Cells. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8249-8257          | 9.6 | 30 |
| 94 | Extremely Color-Stable Blue Light-Emitting Polymers Based on Alternating 2,7-Fluorene-co-3,9-carbazole Copolymer. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1503-1509  | 2.6 | 30 |
| 93 | An Easily Accessible Cathode Buffer Layer for Achieving Multiple High Performance Polymer Photovoltaic Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 27322-27329   | 3.8 | 29 |
| 92 | Efficient fullerene-based and fullerene-free polymer solar cells using two wide band gap thiophene-thiazolothiazole-based photovoltaic materials. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 9511-9518 <sup>13</sup>          | 2.8 | 28 |
| 91 | 4,7-Di-2-thienyl-2,1,3-benzothiadiazole with hexylthiophene side chains and a benzodithiophene based copolymer for efficient organic solar cells. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 4415-4423                                       | 4.9 | 24 |
| 90 | Low HOMO isoindigo based small molecule for high open-circuit voltage 1.0V solution processed organic solar cells. <i>Synthetic Metals</i> , <b>2013</b> , 178, 38-43   | 3.6 | 24 |
| 89 | Fluorene Side-Chained Benzodithiophene Polymers for Low Energy Loss Solar Cells. <i>Macromolecules</i> , <b>2017</b> , 50, 6880-6887  | 5.5 | 24 |
| 88 | A novel naphthyl side-chained benzodithiophene polymer for efficient photovoltaic cells with a high fill factor of 75%. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10430-10436  | 13  | 23 |
| 87 | Investigation of Fluorination on Donor Moiety of Donor-Acceptor 4,7-Dithienylbenzothiadiazole-Based Conjugated Polymers toward Enhanced Photovoltaic Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26152-26161 | 9.5 | 23 |
| 86 | The regulation of $\pi$ -bridge of indacenodithiophene-based donor- $\pi$ -acceptor conjugated polymers toward efficient polymer solar cells. <i>Dyes and Pigments</i> , <b>2019</b> , 162, 43-51   | 4.6 | 23 |
| 85 | Steric minimization towards high planarity and molecular weight for aggregation and photovoltaic studies. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23587-23596  | 13  | 22 |
| 84 | Narrow band-gap oligomer for solution-processed heterojunction organic solar cells. <i>Synthetic Metals</i> , <b>2008</b> , 158, 125-129  | 3.6 | 22 |
| 83 | New small molecules with thiazolothiazole and benzothiadiazole acceptors for solution-processed organic solar cells. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1559   | 3.6 | 21 |
| 82 | Selenophene and fluorene based narrow band gap copolymers with $E_g=1.41\text{eV}$ for near infrared polymer light emitting diodes. <i>Synthetic Metals</i> , <b>2012</b> , 162, 1406-1410  | 3.6 | 21 |

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| 81 | Efficient white-light-emitting diodes based on polyfluorene doped with fluorescent chromophores. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 213502   | 3.4  | 21 |
| 80 | Cyclic alkyl chains promote the polymer self-assembly and packing orders for solar cells. <i>Nano Energy</i> , <b>2017</b> , 36, 110-117   | 17.1 | 20 |
| 79 | A new highly conjugated crossed benzodithiophene and its donor-acceptor copolymers for high open circuit voltages polymer solar cells. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 3398-3406   | 4.9  | 20 |
| 78 | Near-infrared response thienoisindigo-based small molecule for solution-processed bulk-heterojunction solar cells. <i>Synthetic Metals</i> , <b>2014</b> , 187, 24-29  | 3.6  | 20 |
| 77 | Improved open-circuit voltage of benzodithiophene based polymer solar cells using bulky terthiophene side group. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 138, 26-34  | 6.4  | 19 |
| 76 | Subtle Side Chain Triggers Unexpected Two-Channel Charge Transport Property Enabling 80% Fill Factors and Efficient Thick-Film Organic Photovoltaics. <i>Innovation(China)</i> , <b>2021</b> , 2, 100090   | 17.8 | 19 |
| 75 | A fluorine-induced high-performance narrow bandgap polymer based on thiadiazolo[3,4-c]pyridine for photovoltaic applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11729-11737   | 13   | 18 |
| 74 | Fuse the Bridge to Acceptor Moiety of Donor-Acceptor Conjugated Polymer: Enabling an All-Round Enhancement in Photovoltaic Parameters of Nonfullerene Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 31087-31095 | 9.5  | 18 |
| 73 | Efficiency enhancement in an indacenodithiophene and thieno[3,4-c]pyrrole-4,6-dione backbone photovoltaic polymer with an extended thieno[3,2-b]thiophene bridge. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6280-6286                   | 7.1  | 16 |
| 72 | Benzothiadiazole An excellent acceptor for indacenodithiophene based polymer solar cells. <i>RSC Advances</i> , <b>2014</b> , 4, 37934-37940   | 3.7  | 16 |
| 71 | Two-Dimensional BDT-Based Wide Band Gap Polymer Donor for Efficient Non-Fullerene Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19634-19641   | 3.8  | 16 |
| 70 | Development of new two-dimensional small molecules based on benzodifuran for efficient organic solar cells. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 2621-7  | 4.5  | 14 |
| 69 | A diketopyrrolopyrrole-based low bandgap polymer with enhanced photovoltaic performances through backbone twisting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 18174-18180   | 13   | 13 |
| 68 | Benzothiadiazole-sandwiched quarter thiophene-based oligomer for organic solar cells. <i>Synthetic Metals</i> , <b>2009</b> , 159, 556-560   | 3.6  | 13 |
| 67 | Halogenation on terminal groups of ITIC based electron acceptors as an effective strategy for efficient polymer solar cells. <i>Solar Energy</i> , <b>2020</b> , 195, 429-435  | 6.8  | 13 |
| 66 | Synthesis and photovoltaic properties of conjugated D-A copolymers based on thienyl substituted pyrene and diketopyrrolopyrrole for polymer solar cells. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 3198-3204 <sup>12</sup>            | 2.5  | 12 |
| 65 | Progress and trends of photodynamic therapy: From traditional photosensitizers to AIE-based photosensitizers. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2021</b> , 34, 102254  | 3.5  | 12 |
| 64 | Acceptor-rich bulk heterojunction polymer solar cells with balanced charge mobilities. <i>Organic Electronics</i> , <b>2017</b> , 51, 16-24  | 3.5  | 11 |

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| 63 | Thiophene copolymer for 1 V high open-circuit voltage semitransparent photovoltaic devices. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10868-10875   | 7.1 | 10 |
| 62 | Ester-Substituted Pentathiophene Copolymer-Based Sky-Blue Semitransparent Solar Cells for Building Windows. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 915-922   | 6.1 | 10 |
| 61 | Asymmetric 2D benzodithiophene and quinoxaline copolymer for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6798-6804   | 7.1 | 9  |
| 60 | Extending two-dimensional $\pi$ -conjugation length by introducing the alkoxybiphenyl unit for efficient benzodithiophene based photovoltaic polymer. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8716-8723   | 7.1 | 9  |
| 59 | Near-infrared electroluminescence from fluorene-based copolymers. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 3007-3013   | 2.5 | 9  |
| 58 | Preparation and electrochemical properties of poly-2,5-dihydroxyaniline/activated carbon composite electrode in organic electrolyte. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4672-4680                | 2.9 | 8  |
| 57 | Small Organic Molecule Based Photoelectrodes for Efficient Photoelectrochemical Cathodic Protection. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 4012-4022  | 4   | 8  |
| 56 | (E)-1,2-Di(thiophen-2-yl)ethene based high mobility polymer for efficient photovoltaic devices without any post treatment. <i>RSC Advances</i> , <b>2016</b> , 6, 68049-68057  | 3.7 | 8  |
| 55 | Carbazole side-chained benzodithiophene based two-dimensional D-A conjugated photovoltaic polymers. <i>Dyes and Pigments</i> , <b>2019</b> , 170, 107548   | 4.6 | 7  |
| 54 | Novel pendent thiophene side-chained benzodithiophene for polymer solar cells. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 1558-1566  | 2.5 | 7  |
| 53 | Fluorene-Benzothiadiazole Copolymer for Single Component Green Light-Emitting Electrochemical Cells. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 476-482   |     | 7  |
| 52 | Low-bandgap conjugated polymers based on benzodipyrrolidone with reliable unipolar electron mobility exceeding $1 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ . <i>Science China Chemistry</i> , <b>2021</b> , 64, 1219-1227 | 7.9 | 7  |
| 51 | Comparative study of the conformational effect of dithienothiophene- and terthiophene-based photovoltaic polymers. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 11088-11095                                    | 7.1 | 6  |
| 50 | Rhodanine side-chained thiophene and indacenodithiophene copolymer for solar cell applications. <i>Materials Today Energy</i> , <b>2017</b> , 5, 287-292   | 7   | 6  |
| 49 | Addition of 2D Ti3C2Tx to Enhance Photocurrent in Diodes for High-Efficiency Organic Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100127  | 7.1 | 6  |
| 48 | Novel wide band gap polymers based on dithienobenzoxadiazole for polymer solar cells with high open circuit voltages over 1 V. <i>RSC Advances</i> , <b>2016</b> , 6, 51419-51425  | 3.7 | 6  |
| 47 | Modifying the morphology via employing rigid phenyl side chains achieves efficient nonfullerene polymer solar cells. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 2762-2770                                  | 2.5 | 6  |
| 46 | Weakening the Aggregations of Polymer Chains toward Efficient Non-Fullerene Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800446   | 4.8 | 5  |

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|----|--|------|---|
| 45 | Synthesis and Optical-electronic Properties of a Novel Star-shaped Benzodithiophene Molecule. <i>Chemistry Letters</i> , <b>2015</b> , 44, 291-293   | 1.7  | 5 |
| 44 | Challenges of Prelithiation Strategies for Next Generation High Energy Lithium-Ion Batteries. <i>Energy Storage Materials</i> , <b>2022</b> , 47, 297-297  | 19.4 | 5 |
| 43 | Benzodithiophene-Based Polymers Containing Alkylthiophenyl Side Chains with Lowered HOMO Energy Levels for Organic Solar Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2016</b> , 5, 1273-1279   | 3    | 5 |
| 42 | Incorporation of a classical visible non-fullerene acceptor into host binary blend enable ternary high-performance semitransparent polymer solar cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 132048                                  | 14.7 | 5 |
| 41 | High lithium anodic performance of flower-like carbon nanoflakes derived from MOF based on double ligands. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 520-528   | 5.7  | 4 |
| 40 | Novel Panchromatic Absorption Material, Isoindigo-based A <sup>+</sup> A <sup>+</sup> A <sup>+</sup> Small Molecule. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1870-1872  | 1.7  | 4 |
| 39 | Thiophene Bridge effect on bulky side-chained benzodithiophene-based photovoltaic polymers. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 1615-1622   | 2.5  | 4 |
| 38 | Aminonaphthalimide-Based Molecular Cathode Interlayers for As-Cast Organic Solar Cells. <i>ChemSusChem</i> , <b>2021</b> , 14, 4783-4792   | 8.3  | 4 |
| 37 | Metal free benzothiadiazole-diketopyrrolopyrrole-based conjugated polymer/g-CN photocatalyst for enhanced sterilization and degradation in visible to near-infrared region. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 103-113 | 9.3  | 4 |
| 36 | Alkoxyphenyl or alkylphenyl side-chained Thieno[2,3-f]benzofuran polymer for efficient non-fullerene solar cells. <i>Materials Today Energy</i> , <b>2020</b> , 16, 100381   | 7    | 3 |
| 35 | Thieno[2,3-f]benzofuran based donor-acceptor polymer for fullerene-free solar cells. <i>European Polymer Journal</i> , <b>2019</b> , 120, 109205   | 5.2  | 3 |
| 34 | A triple bond side-chained 2D-conjugated benzodithiophene based photovoltaic polymer. <i>RSC Advances</i> , <b>2014</b> , 4, 58426-58431   | 3.7  | 3 |
| 33 | Electrochemistry and Near-infrared Electrochromism of Electropolymerized Polydithiophenes with $\pi$ - $\pi$ Positions Bridged by Carbonyl or Dicarboxyl Substitute. <i>Electrochimica Acta</i> , <b>2014</b> , 142, 108-117                             | 6.7  | 3 |
| 32 | $\pi$ -Phase transformation and energy transfer induced photoluminescence modulation of fluorene based copolymer mono-dispersive nanoparticles. <i>RSC Advances</i> , <b>2013</b> , 3, 23704   | 3.7  | 3 |
| 31 | Hydrophilic poly-ether side-chained benzodithiophene-based homopolymer for solar cells and field-effect transistors. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 2263-2271   | 4.3  | 3 |
| 30 | Recent progress in emerging 2D layered materials for organic solar cells. <i>Solar Energy</i> , <b>2021</b> , 218, 621-638   | 8.8  | 3 |
| 29 | Naphtho[2,3-c]thiophene-4,9-dione based polymers for efficient fullerene solar cells. <i>Polymer</i> , <b>2021</b> , 212, 123184   | 3.9  | 3 |
| 28 | Single-Component Oligomer Nanoparticle-Based Size-Dependent Dual-Emission Modulation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4199-4205  | 3.8  | 2 |

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| 27 | Thiophene Ebridge effect on photovoltaic performances of dithienosilole and bithiazole backboned polymers. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a  | 2.9 | 2 |
| 26 | Synthesis and solar cells applications of EO-PF-DTBT polymer. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a   | 2.9 | 2 |
| 25 | Capacitive properties of low potential electro-polymerized polyfluorene and activated carbon composite electrode. <i>Science China Chemistry</i> , <b>2012</b> , 55, 352-358   | 7.9 | 2 |
| 24 | Pyrrole-based narrow-band-gap copolymers for red light-emitting diodes and bulk heterojunction photovoltaic cells. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a                                | 2.9 | 2 |
| 23 | Enhancing organic photovoltaic performance with 3D-transport dual nonfullerene acceptors. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 1948-1955  | 13  | 2 |
| 22 | Simple benzothiadiazole-based small molecules as additives for efficient organic solar cells. <i>Organic Electronics</i> , <b>2022</b> , 101, 106424   | 3.5 | 2 |
| 21 | Bulky electron donating side chain enhances the open-circuit voltage of benzodithiophene photovoltaic polymers. <i>Materials Today Energy</i> , <b>2020</b> , 18, 100568   | 7   | 2 |
| 20 | Asymmetric ITIC acceptor for asymmetric benzodithiophene polymer solar cells. <i>Dyes and Pigments</i> , <b>2020</b> , 183, 108727   | 4.6 | 2 |
| 19 | Fabrication and Characterization of FA x Cs1-x PbI3 Polycrystal Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100166  | 7.1 | 2 |
| 18 | Random terpolymers for high-performance semitransparent polymer solar cells. <i>Dyes and Pigments</i> , <b>2021</b> , 195, 109680  | 4.6 | 2 |
| 17 | A medium-band-gap polymer based alkoxy-substituted benzoxadiazole moiety for efficient polymer solar cells. <i>Polymer</i> , <b>2019</b> , 168, 1-7  | 3.9 | 1 |
| 16 | Fusing Benzo[c][1,2,5]oxadiazole Unit with Thiophene for Constructing Wide-bandgap High-performance IDT-based Polymer Solar Cell Donor Material. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1700782 | 4.8 | 1 |
| 15 | 1 V high open-circuit voltage fluorinated alkoxybiphenyl side-chained benzodithiophene based photovoltaic polymers. <i>Synthetic Metals</i> , <b>2019</b> , 257, 116182  | 3.6 | 1 |
| 14 | Corrosion behavior of anodic oxidized TiO2 film in seawater. <i>Journal of Ocean University of China</i> , <b>2010</b> , 9, 376-380  | 1   | 1 |
| 13 | Low surface energy self-polishing polymer grafted MWNTs for antibacterial coating and controlled-release property of Cu2O. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50267                          | 2.9 | 1 |
| 12 | Ester-substituted copolymer-based ternary semitransparent polymer solar cells with enhanced FF and PCE. <i>Polymer</i> , <b>2021</b> , 229, 123973   | 3.9 | 1 |
| 11 | Design of simple-structure wide-bandgap conjugated polymers based on BDT for efficient non-fullerene solar cells. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109604   | 4.6 | 1 |
| 10 | V enhancement of thienobenzofuran and benzotriazole backboned photovoltaic polymer by side chain sulfuration or fluoridation. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108775                                       | 4.6 | 1 |

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| 9 | Manipulating the intermolecular stacking of polymeric donors for efficient organic solar cells. <i>Journal of Materials Chemistry C</i> ,  | 7.1  | 1 |
| 8 | Multi-armed imide-based molecules promote interfacial charge transfer for efficient organic solar cells. <i>Chemical Engineering Journal</i> , <b>2022</b> , 441, 135894   | 14.7 | 1 |
| 7 | 2D Benzodithiophene based conjugated polymer/g-C <sub>3</sub> N <sub>4</sub> heterostructures with enhanced photocatalytic activity: Synergistic effect of antibacterial carbazole side chain and main chain copolymerization. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 312, 121401 | 21.8 | 1 |
| 6 | Fabricating binary cathode interface layer by effective molecular electrostatic potential and interfacial dipole to optimize electron transport and improve organic solar cell. <i>Chemical Engineering Journal</i> , <b>2022</b> , 137209   | 14.7 | 1 |
| 5 | A green all-organic heterostructure functionalized by self-assembled fullerene small molecule with enhanced photocatalytic activity. <i>Applied Surface Science</i> , <b>2022</b> , 585, 152738  | 6.7  | 0 |
| 4 | Ternary copolymerization strategy reducing the cost of benzodithiophene benzodithiophenedione polymer, retaining high photovoltaic performance. <i>Polymer International</i> , <b>2021</b> , 70, 443-449   | 3.3  | 0 |
| 3 | Effects of brominated terminal groups on the performance of fused-ring electron acceptors in organic solar cells. <i>Dyes and Pigments</i> , <b>2021</b> , 194, 109652   | 4.6  | 0 |
| 2 | Near-infrared nonfullerene acceptors with halogenated terminated fused tris(thienothiophene) for efficient polymer solar cells. <i>Solar Energy</i> , <b>2022</b> , 231, 433-439   | 6.8  |   |
| 1 | High-Performance Ternary Semitransparent Polymer Solar Cells with Different Bandgap Third Component as Non-Fullerene Guest Acceptor. <i>Solar Rrl</i> , 2200070  | 7.1  |   |