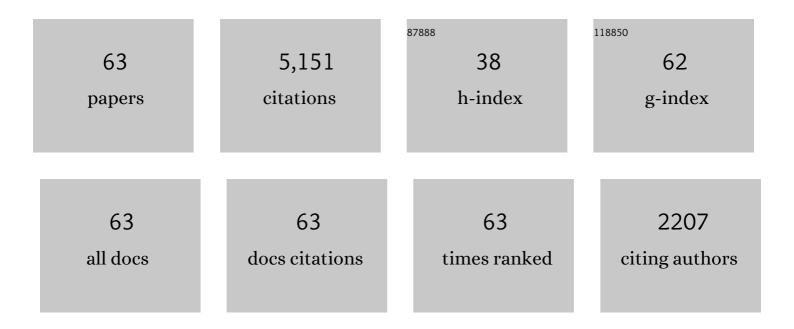
## List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Tailoring polymer acceptors by electron linkers for achieving efficient and stable all-polymer solar cells. National Science Review, 2022, 9, nwab151.  | 9.5  | 41        |
| 2  | Revealing the microstructure-related light-induced degradation for all-polymer solar cells based on regioisomerized end-capping group acceptors. Journal of Materials Chemistry C, 2022, 10, 1246-1258.   | 5.5  | 10        |
| 3  | Efficient charge generation and low open circuit voltage loss enable a PCE of 10.3% in small molecule<br>donor and polymer acceptor organic solar cells. Journal of Materials Chemistry C, 2022, 10, 2639-2647.                                 | 5.5  | 2         |
| 4  | Simultaneous Enhanced Device Efficiency and Color Neutrality in Semitransparent Organic<br>Photovoltaics Employing a Synergy of Ternary Strategy and Optical Engineering. Advanced Functional<br>Materials, 2022, 32, .                         | 14.9 | 30        |
| 5  | Desired open-circuit voltage increase enables efficiencies approaching 19% in symmetric-asymmetric molecule ternary organic photovoltaics. Joule, 2022, 6, 662-675.   | 24.0 | 212       |
| 6  | An end-capped strategy for crystalline polymer donor to improve the photovoltaic performance of non-fullerene solar cells. Science China Chemistry, 2022, 65, 964-972.  | 8.2  | 6         |
| 7  | A facile strategy for high performance air-processed perovskite solar cells with dopant-free poly(3-hexylthiophene) hole transporter. Solar Energy, 2022, 237, 153-160.   | 6.1  | 2         |
| 8  | Singleâ€Junction Organic Solar Cells with 19.17% Efficiency Enabled by Introducing One Asymmetric<br>Guest Acceptor. Advanced Materials, 2022, 34, e2110147.  | 21.0 | 377       |
| 9  | A Near-Infrared Polymer Acceptor Enables over 15% Efficiency for All-Polymer Solar Cells. Chinese<br>Journal of Polymer Science (English Edition), 2022, 40, 877-888.   | 3.8  | 13        |
| 10 | Isomerization of Asymmetric Ladderâ€Type Heteroheptaceneâ€Based Smallâ€Molecule Acceptors Improving<br>Molecular Packing: Efficient Nonfullerene Organic Solar Cells with Excellent Fill Factors. Advanced<br>Functional Materials, 2022, 32, . | 14.9 | 20        |
| 11 | Simple (thienylmethylene)oxindoleâ€based polymer materials as donors for efficient nonâ€fullerene<br>polymer solar cells. Nano Select, 2021, 2, 417-424.  | 3.7  | 0         |
| 12 | The Intrinsic Role of Molecular Mass and Polydispersity Index in Highâ€Performance Nonâ€Fullerene<br>Polymer Solar Cells. Advanced Energy Materials, 2021, 11, .  | 19.5 | 47        |
| 13 | Fluorinated End Group Enables Highâ€Performance Allâ€Polymer Solar Cells with Nearâ€Infrared<br>Absorption and Enhanced Device Efficiency over 14%. Advanced Energy Materials, 2021, 11, 2003171.   | 19.5 | 89        |
| 14 | Asymmetric Acceptors Enabling Organic Solar Cells to Achieve an over 17% Efficiency: Conformation<br>Effects on Regulating Molecular Properties and Suppressing Nonradiative Energy Loss. Advanced<br>Energy Materials, 2021, 11, 2003177.      | 19.5 | 114       |
| 15 | Improving Photovoltaic Performance of Nonâ€Fullerene Polymer Solar Cells Enables by Fineâ€Tuning<br>Blend Microstructure via Binary Solvent Mixtures. Advanced Functional Materials, 2021, 31, 2008767.   | 14.9 | 31        |
| 16 | High-performance all-small-molecule organic solar cells without interlayers. Energy and Environmental Science, 2021, 14, 3174-3183.   | 30.8 | 43        |
| 17 | Highly Efficient and Stable All-Polymer Solar Cells Enabled by Near-Infrared Isomerized Polymer<br>Acceptors. Chemistry of Materials, 2021, 33, 761-773.  | 6.7  | 47        |
| 18 | Photooxidation Analysis of Two Isomeric Nonfullerene Acceptors: A Systematic Study of<br>Conformational, Morphological, and Environmental Factors. Solar Rrl, 2021, 5, 2000704.   | 5.8  | 6         |

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| 19 | Highâ€Performance Allâ€Polymer Solar Cells with a Pseudoâ€Bilayer Configuration Enabled by a Stepwise<br>Optimization Strategy. Advanced Functional Materials, 2021, 31, 2010411.   | 14.9 | 99        |
| 20 | Regioâ€Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for Allâ€Polymer<br>Solar Cells with 15.2 % Efficiency. Angewandte Chemie, 2021, 133, 10225-10234.  | 2.0  | 13        |
| 21 | Regioâ€Regular Polymer Acceptors Enabled by Determined Fluorination on End Groups for Allâ€Polymer<br>Solar Cells with 15.2 % Efficiency. Angewandte Chemie - International Edition, 2021, 60, 10137-10146.   | 13.8 | 145       |
| 22 | A Difluoroâ€Monobromo End Group Enables Highâ€Performance Polymer Acceptor and Efficient<br>Allâ€Polymer Solar Cells Processable with Green Solvent under Ambient Condition. Advanced<br>Functional Materials, 2021, 31, 2100791.                                   | 14.9 | 89        |
| 23 | Balancing the efficiency, stability, and cost potential for organic solar cells via a new figure of merit.<br>Joule, 2021, 5, 1209-1230.  | 24.0 | 138       |
| 24 | Asymmetric Isomer Effects in Benzo[ <i>c</i> ][1,2,5]thiadiazoleâ€Fused Nonacyclic Acceptors: Dielectric<br>Constant and Molecular Crystallinity Control for Significant Photovoltaic Performance<br>Enhancement. Advanced Functional Materials, 2021, 31, 2104369. | 14.9 | 46        |
| 25 | Achieving over 17% efficiency of ternary all-polymer solar cells with two well-compatible polymer acceptors. Joule, 2021, 5, 1548-1565.   | 24.0 | 281       |
| 26 | Remove the water-induced traps toward improved performance in organic solar cells. Science China<br>Materials, 2021, 64, 2629-2644.   | 6.3  | 11        |
| 27 | A conjugated donor-acceptor block copolymer enables over 11% efficiency for single-component polymer solar cells. Joule, 2021, 5, 1800-1815.  | 24.0 | 77        |
| 28 | PEDOT:PSSâ€Free Polymer Nonâ€Fullerene Polymer Solar Cells with Efficiency up to 18.60% Employing a<br>Binaryâ€Solventâ€Chlorinated ITO Anode. Advanced Functional Materials, 2021, 31, 2106846.  | 14.9 | 40        |
| 29 | Polymerized small-molecule acceptors based on vinylene as π-bridge for efficient all-polymer solar<br>cells. Polymer, 2021, 230, 124104.  | 3.8  | 14        |
| 30 | Baseplate Temperatureâ€Dependent Vertical Composition Gradient in Pseudoâ€Bilayer Films for Printing<br>Nonâ€Fullerene Organic Solar Cells. Advanced Energy Materials, 2021, 11, 2102135.   | 19.5 | 33        |
| 31 | A Layer-by-Layer Architecture for Printable Organic Solar Cells Overcoming the Scaling Lag of Module<br>Efficiency. Joule, 2020, 4, 407-419.  | 24.0 | 272       |
| 32 | Altering the Positions of Chlorine and Bromine Substitution on the End Group Enables<br>Highâ€Performance Acceptor and Efficient Organic Solar Cells. Advanced Energy Materials, 2020, 10,<br>2002649.  | 19.5 | 103       |
| 33 | Tailoring non-fullerene acceptors using selenium-incorporated heterocycles for organic solar cells with over 16% efficiency. Journal of Materials Chemistry A, 2020, 8, 23756-23765.  | 10.3 | 85        |
| 34 | Machine learning for accelerating the discovery of high-performance donor/acceptor pairs in non-fullerene organic solar cells. Npj Computational Materials, 2020, 6, .  | 8.7  | 77        |
| 35 | Alkyl chain engineering of non-fullerene small molecule acceptors for solution-processable organic solar cells. Organic Electronics, 2020, 87, 105963.  | 2.6  | 14        |
| 36 | Highly Efficient Allâ€Polymer Solar Cells Enabled by Random Ternary Copolymer Acceptors with High<br>Tolerance on Molar Ratios. Solar Rrl, 2020, 4, 2000409.  | 5.8  | 15        |

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|----|--|------|-----------|
| 37 | Controlling Molecular Mass of Low-Band-Gap Polymer Acceptors for High-Performance All-Polymer<br>Solar Cells. Joule, 2020, 4, 1070-1086.   | 24.0 | 236       |
| 38 | Fine-Tuning Energy Levels via Asymmetric End Groups Enables Polymer Solar Cells with Efficiencies over 17%. Joule, 2020, 4, 1236-1247.   | 24.0 | 344       |
| 39 | An Effective Method for Recovering Nonradiative Recombination Loss in Scalable Organic Solar Cells.<br>Advanced Functional Materials, 2020, 30, 2000417.   | 14.9 | 31        |
| 40 | Simultaneous enhanced efficiency and thermal stability in organic solar cells from a polymer acceptor additive. Nature Communications, 2020, 11, 1218.   | 12.8 | 197       |
| 41 | High-performance all-polymer solar cells with only 0.47 eV energy loss. Science China Chemistry, 2020,<br>63, 1449-1460.   | 8.2  | 62        |
| 42 | Two similar near-infrared (IR) non-fullerene acceptors as near IR sensitizers for ternary solar cells.<br>Organic Electronics, 2020, 85, 105880.   | 2.6  | 7         |
| 43 | Altering alkyl-chains branching positions for boosting the performance of small-molecule acceptors for highly efficient nonfullerene organic solar cells. Science China Chemistry, 2020, 63, 361-369.  | 8.2  | 128       |
| 44 | Thickâ€Film Organic Solar Cells Achieving over 11% Efficiency and Nearly 70% Fill Factor at Thickness<br>over 400 nm. Advanced Functional Materials, 2020, 30, 1908336.  | 14.9 | 94        |
| 45 | Dithieno[3,2â€ <i>b</i> :2ʹ,3ʹâ€ <i>d</i> ]pyrrolâ€Fused Asymmetrical Electron Acceptors: A Study into the<br>Effects of Nitrogenâ€Functionalization on Reducing Nonradiative Recombination Loss and Dipole<br>Moment on Morphology. Advanced Science, 2020, 7, 1902657. | 11.2 | 51        |
| 46 | Modification on the Indacenodithieno[3,2- <i>b</i> ]thiophene Core to Achieve Higher Current and<br>Reduced Energy Loss for Nonfullerene Solar Cells. Chemistry of Materials, 2020, 32, 1297-1307.   | 6.7  | 46        |
| 47 | Achieving Ecoâ€Compatible Organic Solar Cells with Efficiency >16.5% Based on an Iridium<br>Complexâ€Incorporated Polymer Donor. Solar Rrl, 2020, 4, 2000156.  | 5.8  | 43        |
| 48 | Solutionâ€Processed Polymer Solar Cells with over 17% Efficiency Enabled by an Iridium Complexation<br>Approach. Advanced Energy Materials, 2020, 10, 2000590.   | 19.5 | 117       |
| 49 | Synergistic Benefits of Cesiumâ€Đoped Aqueous Precursor in Airâ€Processed Inverted Perovskite Solar<br>Cells. Solar Rrl, 2020, 4, 1900406.   | 5.8  | 10        |
| 50 | High-efficiency all-small-molecule organic solar cells based on an organic molecule donor with an asymmetric thieno[2,3-f] benzofuran unit. Science China Chemistry, 2020, 63, 1246-1255.  | 8.2  | 55        |
| 51 | An Oligothiophene–Fullerene Molecule with a Balanced Donor–Acceptor Backbone for<br>Highâ€Performance Singleâ€Component Organic Solar Cells. Angewandte Chemie - International Edition,<br>2019, 58, 14556-14561.  | 13.8 | 62        |
| 52 | An Oligothiophene–Fullerene Molecule with a Balanced Donor–Acceptor Backbone for<br>Highâ€Performance Singleâ€Component Organic Solar Cells. Angewandte Chemie, 2019, 131, 14698-14703.  | 2.0  | 6         |
| 53 | A multi-objective optimization-based layer-by-layer blade-coating approach for organic solar cells:<br>rational control of vertical stratification for high performance. Energy and Environmental Science,<br>2019, 12, 3118-3132.                                       | 30.8 | 142       |
| 54 | Finely Tuned Cores in Starâ€Shaped Zwitterionic Molecules for Interface Engineering of<br>Highâ€Performance Polymer Solar Cells. Solar Rrl, 2019, 3, 1900166.  | 5.8  | 7         |

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|----|---|------|-----------|
| 55 | Achieving Fast Charge Separation and Low Nonradiative Recombination Loss by Rational Fluorination for Highâ€Efficiency Polymer Solar Cells. Advanced Materials, 2019, 31, e1905480.   | 21.0 | 162       |
| 56 | A universal layer-by-layer solution-processing approach for efficient non-fullerene organic solar cells. Energy and Environmental Science, 2019, 12, 384-395.   | 30.8 | 193       |
| 57 | Spontaneous open-circuit voltage gain of fully fabricated organic solar cells caused by elimination of interfacial energy disorder. Energy and Environmental Science, 2019, 12, 2518-2528.                                    | 30.8 | 57        |
| 58 | A wide-bandgap D–A copolymer donor based on a chlorine substituted acceptor unit for high performance polymer solar cells. Journal of Materials Chemistry A, 2019, 7, 14070-14078.  | 10.3 | 68        |
| 59 | Slot-die printed non-fullerene organic solar cells with the highest efficiency of 12.9% for low-cost<br>PV-driven water splitting. Nano Energy, 2019, 61, 559-566.  | 16.0 | 65        |
| 60 | A new small molecule donor for efficient and stable all small molecule organic solar cells. Organic<br>Electronics, 2019, 70, 78-85.  | 2.6  | 20        |
| 61 | Reduced Energy Loss Enabled by a Chlorinated Thiopheneâ€Fused Endingâ€Group Small Molecular<br>Acceptor for Efficient Nonfullerene Organic Solar Cells with 13.6% Efficiency. Advanced Energy<br>Materials, 2019, 9, 1900041. | 19.5 | 144       |
| 62 | Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by<br>exploring material design and employing friendly stabilizers. Journal of Materials Chemistry A, 2019, 7,<br>25088-25101. | 10.3 | 107       |
| 63 | All-small molecule solar cells based on donor molecule optimization with highly enhanced efficiency and stability. Journal of Materials Chemistry A, 2018, 6, 15675-15683.  | 10.3 | 55        |