# Jian Zhang

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 139 papers | 7,013 citations | 50170 46 h-index | 64668 79 g-index |
| 139 all docs | 139 docs citations | 139 times ranked | 6531 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Defect passivation and interface modification by tetra-n-octadecyl ammonium bromide for efficient and stable inverted perovskite solar cells. Chemical Engineering Journal, 2022, 429, 132426. | 6.6 | 24 |
| 2 | Over 17.7% efficiency ternary-blend organic solar cells with low energy-loss and good thickness-tolerance. Chemical Engineering Journal, 2022, 428, 129276. | 6.6 | 110 |
| 3 | High density anchoring of NiMoS4 on ultrathin Ti3C2 MXene assisted by dopamine for supercapacitor electrode materials. Journal of Alloys and Compounds, 2022, 891, 161945. | 2.8 | 40 |
| 4 | 16.5% Polymer Solar Cells with 6â€Aminocaproic Acidâ€Modified ZnO as a Cathodic Interface Layer. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, 2100708. | 0.8 | 2 |
| 5 | Smart Ternary Strategy in Promoting the Performance of Polymer Solar Cells Based on Bulkâ€Heterojunction or Layerâ€Byâ€Layer Structure. Small, 2022, 18, e2104215. | 5.2 | 100 |
| 6 | Electrical properties of carbon-based fully-printed mesoscopic perovskite solar cells with BAI as an additive. Journal of Materials Science: Materials in Electronics, 2022, 33, 3091-3100. | 1.1 | 0 |
| 7 | A biopolymer-gated ionotronic junctionless oxide transistor array for spatiotemporal pain-perception emulation in nociceptor network. Nanoscale, 2022, 14, 2316-2326. | 2.8 | 52 |
| 8 | Crystallization Kinetics Control Enabled by a Green Ionic Liquid Additive toward Efficient and Stable Carbon-Based Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 9161-9171. | 4.0 | 19 |
| 9 | Artificial Vision Adaption Mimicked by an Optoelectrical In<sub>2</sub>O<sub>3</sub> Transistor Array. Nano Letters, 2022, 22, 3372-3379. | 4.5 | 56 |
| 10 | Flexible Perovskite Solar Cells: From Materials and Device Architectures to Applications. ACS Energy Letters, 2022, 7, 1412-1445. | 8.8 | 54 |
| 11 | Perovskite Films Treated with Polyvinyl Pyrrolidone for High-Performance Inverted Perovskite Solar Cells. ACS Applied Energy Materials, 2022, 5, 4448-4460. | 2.5 | 12 |
| 12 | Room temperature boronized and phosphated cobalt-nickel metal-organic framework as the electrode material for supercapacitors. Journal of Energy Storage, 2022, 51, 104372. | 3.9 | 18 |
| 13 | Facile preparation of Ni(OH)2-B/S composite with an embroidered spherical nanosheet structure for high-performance supercapacitors. Journal of Energy Storage, 2022, 50, 104616. | 3.9 | 9 |
| 14 | Polymerized Naphthalimide Derivatives as Remarkable Electronâ€Transport Layers for Inverted Organic Solar Cells. Macromolecular Rapid Communications, 2022, 43, e2200119. | 2.0 | 5 |
| 15 | Efficient printable carbon-based mesoscopic perovskite solar cells based on aluminum and indium doped TiO2 compact layer. Materials Letters, 2022, 322, 132427. | 1.3 | 2 |
| 16 | Broadband photomultiplication-type polymer photodetectors and its application in light-controlled circuit. Science China Chemistry, 2022, 65, 1642-1649. | 4.2 | 50 |
| 17 | Ultrathin graphene@NiCo2S4@Ni-Mo layered double hydroxide with a 3D hierarchical flowers structure as a high performance positive electrode for hybrid supercapacitor. Journal of Energy Storage, 2022, 52, 105049. | 3.9 | 22 |
| 18 | Organic photovoltaics with 300 nm thick ternary active layers exhibiting 15.6% efficiency. Journal of Materials Chemistry C, 2021, 9, 9892-9898. | 2.7 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Highly sensitive all-polymer photodetectors with ultraviolet-visible to near-infrared photo-detection and their application as an optical switch. Journal of Materials Chemistry C, 2021, 9, 5349-5355. | 2.7 | 45 |
| 20 | Revealing the microstructure evolution of inorganic CsPbI 2 Br perovskite via synchrotron radiation grazing incidence Xâ€ray diffraction. Nano Select, 2021, 2, 932-938. | 1.9 | 5 |
| 21 | Ternary Organic Photovoltaic Cells Exhibiting 17.59% Efficiency with Two Compatible Y6 Derivations as Acceptor. Solar Rrl, 2021, 5, 2100007. | 3.1 | 81 |
| 22 | A solution-processed, ultraviolet-irradiation-derived WO3 film as anode interface layer for high-performance non-fullerene organic solar cells. Solar Energy, 2021, 216, 211-216. | 2.9 | 12 |
| 23 | Smart Strategy: Transparent Hole-Transporting Polymer as a Regulator to Optimize Photomultiplication-type Polymer Photodetectors. ACS Applied Materials & Interfaces, 2021, 13, 21565-21572. | 4.0 | 55 |
| 24 | Holeâ€Storage Enhanced aâ€Si Photocathodes for Efficient Hydrogen Production. Angewandte Chemie, 2021, 133, 12073-12079. | 1.6 | 2 |
| 25 | Holeâ€Storage Enhanced aâ€Si Photocathodes for Efficient Hydrogen Production. Angewandte Chemie - International Edition, 2021, 60, 11966-11972. | 7.2 | 29 |
| 26 | Three-Dimensional Self-Supporting Ti<sub>3</sub>C<sub>2</sub> with MoS<sub>2</sub> and Cu<sub>2</sub>O Nanocrystals for High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 22664-22675. | 4.0 | 107 |
| 27 | Effective carrier transport tuning of CuOx quantum dots hole interfacial layer for high-performance inverted perovskite solar cell. Applied Surface Science, 2021, 547, 149117. | 3.1 | 19 |
| 28 | Poly(3,4â€ethylenedioxythiophene)â€poly(styrenesulfonate) Modified by Water for Efficient Inverted Perovskite Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100066. | 0.8 | 1 |
| 29 | Over 16% Efficiency of Thickâ€Film Organic Photovoltaics with Symmetric and Asymmetric Nonâ€Fullerene Materials as Alloyed Acceptor. Solar Rrl, 2021, 5, 2100365. | 3.1 | 13 |
| 30 | Multifunctional passivation strategy based on tetraoctylammonium bromide for efficient inverted perovskite solar cells. Nano Energy, 2021, 84, 105882. | 8.2 | 46 |
| 31 | Roomâ€Temperatureâ€Processed, Carbonâ€Based Fully Printed Mesoscopic Perovskite Solar Cells with 15% Efficiency. Solar Rrl, 2021, 5, 2100274. | 3.1 | 11 |
| 32 | Highly sensitive, sub-microsecond polymer photodetectors for blood oxygen saturation testing. Science China Chemistry, 2021, 64, 1302-1309. | 4.2 | 69 |
| 33 | Synergistic Effect of Defect Passivation and Crystallization Control Enabled by Bifunctional Additives for Carbon-Based Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 45435-45445. | 4.0 | 12 |
| 34 | Two Y6 Derivations with Similar Chemical Structure As One Alloyed Acceptor Enable Efficient Ternary-Blend Polymer Solar Cells. ACS Applied Energy Materials, 2021, 4, 11761-11768. | 2.5 | 8 |
| 35 | Defect-mediated Z-scheme carriersâ€™ dynamics of C-ZnO/A-CN toward highly enhanced photocatalytic TC degradation. Journal of Alloys and Compounds, 2021, 877, 160321. | 2.8 | 29 |
| 36 | Layer-by-layer self-assembled GO-MoS2Co3O4 three-dimensional conducting network for high-performance supercapacitors. Journal of Energy Storage, 2021, 43, 103195. | 3.9 | 19 |

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|---|---|---|---|
| 37 | Template strategy to synthesize porous Mn-Co-S nanospheres electrode for high-performance supercapacitors. Journal of Energy Storage, 2021, 44, 103267. | 3.9 | 22 |
| 38 | Over 17% Efficiency of Ternary Organic Photovoltaics Employing Two Acceptors with an Acceptorâ€"Donorâ€"Acceptor Configuration. ACS Applied Materials & Interfaces, 2021, 13, 57684-57692. | 4.0 | 47 |
| 39 | 16.5% efficiency ternary organic photovoltaics with two polymer donors by optimizing molecular arrangement and phase separation. Nano Energy, 2020, 69, 104447. | 8.2 | 80 |
| 40 | Non-conjugated polymers as thickness-insensitive electron transport materials in high-performance inverted organic solar cells. Journal of Energy Chemistry, 2020, 47, 196-202. | 7.1 | 32 |
| 41 | Improved Pore-Filling and Passivation of Defects in Hole-Conductor-Free, Fully Printable Mesoscopic Perovskite Solar Cells Based on <scp>d</scp>-Sorbitol Hexaacetate-Modified MAPbI<sub>3</sub>. ACS Applied Materials & Interfaces, 2020, 12, 47677-47683. | 4.0 | 7 |
| 42 | A critical review on semitransparent organic solar cells. Nano Energy, 2020, 78, 105376. | 8.2 | 247 |
| 43 | A Critical Review on Efficient Thickâ€Film Organic Solar Cells. Solar Rrl, 2020, 4, 2000364. | 3.1 | 80 |
| 44 | Enhanced photovoltaic performance and reduced hysteresis in hole-conductor-free, printable mesoscopic perovskite solar cells based on melamine hydroiodide modified MAPbI3. Solar Energy, 2020, 206, 548-554. | 2.9 | 8 |
| 45 | Synergetic defects boost charge separation in CN for enhanced photocatalytic water splitting. Journal of Materials Chemistry C, 2020, 8, 9366-9372. | 2.7 | 15 |
| 46 | A Facile Airâ€Retreatment Strategy for Efficient Inverted Perovskite Solar Cells. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000069. | 1.2 | 4 |
| 47 | High-performance inverted perovskite solar cells using 4-diaminomethylbenzoic as a passivant. Nanoscale, 2020, 12, 6767-6775. | 2.8 | 26 |
| 48 | An Ultravioletâ€Deposited MoO 3 Film as Anode Interlayer for Highâ€Performance Polymer Solar Cells. Advanced Materials Interfaces, 2020, 7, 1901912. | 1.9 | 14 |
| 49 | Enabling Unassisted Solar Water Splitting by Single-Junction Amorphous Silicon Photoelectrodes. ACS Applied Energy Materials, 2020, 3, 4629-4637. | 2.5 | 11 |
| 50 | Facile precursor stoichiometry engineering for efficient inverted perovskite solar cells without any dopants. Organic Electronics, 2019, 75, 105396. | 1.4 | 12 |
| 51 | The efficient and non-hysteresis inverted non-fullerenes/CH3NH3PbI3 planar solar cells. Solar Energy, 2019, 189, 307-313. | 2.9 | 16 |
| 52 | Two Wellâ€Compatible Acceptors with Efficient Energy Transfer Enable Ternary Organic Photovoltaics Exhibiting a 13.36% Efficiency. Small, 2019, 15, e1902602. | 5.2 | 14 |
| 53 | All-polymer photodetectors with photomultiplication. Journal of Materials Chemistry C, 2019, 7, 9633-9640. | 2.7 | 11 |
| 54 | Selfâ€Assembled Monomolecular Layer Modified ZnO for Efficient Inverted Polymer Solar Cells with 11.53% Efficiency. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900372. | 1.2 | 6 |

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| 55 | A reduced graphene oxideâ€“borate compound-loaded melamine sponge/silicone rubber composite with ultra-high dielectric constant. RSC Advances, 2019, 9, 14276-14285. | 1.7 | 4 |
| 56 | Achieving efficient inverted planar perovskite solar cells with nondoped PTAA as a hole transport layer. Organic Electronics, 2019, 71, 106-112. | 1.4 | 84 |
| 57 | Synthesis of amphiphilic triblock fullerene derivatives and their solvent induced self assembly in organic solar cells. Organic Electronics, 2019, 71, 36-44. | 1.4 | 7 |
| 58 | Synthesis and Application of Functionalized Diblock Amphiphilic Fullerene Derivatives. Macromolecular Chemistry and Physics, 2019, 220, 1800477. | 1.1 | 4 |
| 59 | Enhancing the Performance of Inverted Perovskite Solar Cells via Grain Boundary Passivation with Carbon Quantum Dots. ACS Applied Materials & Interfaces, 2019, 11, 3044-3052. | 4.0 | 147 |
| 60 | Lithiumâ€Ionâ€Based Conjugated Polyelectrolyte as an Interface Material for Efficient and Stable Nonâ€Fullerene Organic Solar Cells. ChemSusChem, 2019, 12, 1401-1409. | 3.6 | 15 |
| 61 | Efficient ternary non-fullerene polymer solar cells with PCE of 11.92% and FF of 76.5%. Energy and Environmental Science, 2018, 11, 841-849. | 15.6 | 210 |
| 62 | Efficient Ternary Polymer Solar Cells with Two Wellâ€Compatible Donors and One Ultranarrow Bandgap Nonfullerene Acceptor. Advanced Energy Materials, 2018, 8, 1702854. | 10.2 | 195 |
| 63 | Ternary Nonfullerene Polymer Solar Cells with a Power Conversion Efficiency of 11.6% by Inheriting the Advantages of Binary Cells. ACS Energy Letters, 2018, 3, 555-561. | 8.8 | 161 |
| 64 | High-efficiency and air stable fullerene-free ternary organic solar cells. Nano Energy, 2018, 45, 177-183. | 8.2 | 193 |
| 65 | Benefits of fullerene/SnO 2 bilayers as electron transport layer for efficient planar perovskite solar cells. Organic Electronics, 2018, 58, 294-300. | 1.4 | 26 |
| 66 | Printed hole-conductor-free mesoscopic perovskite solar cells with excellent long-term stability using PEAI as an additive. Journal of Energy Chemistry, 2018, 27, 764-768. | 7.1 | 23 |
| 67 | Vapor-fumigation for record efficiency two-dimensional perovskite solar cells with superior stability. Energy and Environmental Science, 2018, 11, 3349-3357. | 15.6 | 87 |
| 68 | Efficient Ternary Organic Solar Cells with Two Compatible Nonâ€Fullerene Materials as One Alloyed Acceptor. Small, 2018, 14, e1802983. | 5.2 | 55 |
| 69 | Ternary non-fullerene polymer solar cells with an efficiency of 11.6% by simultaneously optimizing photon harvesting and phase separation. Journal of Materials Chemistry A, 2018, 6, 11751-11758. | 5.2 | 30 |
| 70 | Efficient Inverted Polymer Solar Cells with ITO Cathode Modified by Zinc Oxide and Polyethylene Oxide Bilayers. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800113. | 0.8 | 2 |
| 71 | Polymer with a 3D conductive network: a thickness-insensitive electron transport layer for inverted polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 12969-12973. | 5.2 | 25 |
| 72 | Nematic liquid crystal materials as a morphology regulator for ternary small molecule solar cells with power conversion efficiency exceeding 10%. Journal of Materials Chemistry A, 2017, 5, 3589-3598. | 5.2 | 173 |

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| 73 | Donorâ€“Acceptor Interface Stabilizer Based on Fullerene Derivatives toward Efficient and Thermal Stable Organic Photovoltaics. ACS Applied Materials & Interfaces, 2017, 9, 6615-6623. | 4.0 | 20 |
| 74 | Niobium-Doped (001)-Dominated Anatase TiO<sub>2</sub> Nanosheets as Photoelectrode for Efficient Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 9576-9583. | 4.0 | 36 |
| 75 | Simultaneously Enhanced Efficiency and Stability of Polymer Solar Cells by Employing Solvent Additive and Upside-down Drying Method. ACS Applied Materials & Interfaces, 2017, 9, 8863-8871. | 4.0 | 32 |
| 76 | A liquid crystal material as the third component for ternary polymer solar cells with an efficiency of 10.83% and enhanced stability. Journal of Materials Chemistry A, 2017, 5, 13145-13153. | 5.2 | 65 |
| 77 | Polymer with conjugated alkylthiophenylthienyl side chains for efficient photovoltaic cells. Organic Electronics, 2017, 48, 298-307. | 1.4 | 5 |
| 78 | A trilobal non-fullerene electron acceptor based on benzo[1,2- b :3,4- b â€²:5,6- b â€³] trithiophene and perylenediimide for polymer solar cells. Synthetic Metals, 2017, 227, 122-130. | 2.1 | 12 |
| 79 | Degradation behavior of planar heterojunction CH 3 NH 3 PbI 3 perovskite solar cells. Synthetic Metals, 2017, 227, 43-51. | 2.1 | 31 |
| 80 | Rational design of a difluorobenzo[c]cinnoline-based low-bandgap copolymer for high-performance polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 7300-7304. | 5.2 | 12 |
| 81 | Dramatically Boosted Efficiency of Small Molecule Solar Cells by Synergistically Optimizing Molecular Aggregation and Crystallinity. ACS Sustainable Chemistry and Engineering, 2017, 5, 1982-1989. | 3.2 | 10 |
| 82 | Efficient and stable inverted polymer solar cells prepared via air exposure. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600580. | 0.8 | 0 |
| 83 | Ternary small molecule solar cells exhibiting power conversion efficiency of 10.3%. Nano Energy, 2017, 39, 571-581. | 8.2 | 83 |
| 84 | Superior stability for perovskite solar cells with 20% efficiency using vacuum co-evaporation. Nanoscale, 2017, 9, 12316-12323. | 2.8 | 169 |
| 85 | Highly efficient polymer solar cells by step-by-step optimizing donor molecular packing and acceptor redistribution. Physical Chemistry Chemical Physics, 2017, 19, 709-716. | 1.3 | 8 |
| 86 | A wide temperature tolerance, solution-processed MoOx interface layer for efficient and stable organic solar cells. Solar Energy Materials and Solar Cells, 2017, 159, 136-142. | 3.0 | 31 |
| 87 | Efficient organic ternary solar cells with the third component as energy acceptor. Nano Energy, 2016, 26, 180-191. | 8.2 | 88 |
| 88 | Ultrathin two-dimensional graphitic carbon nitride as a solution-processed cathode interfacial layer for inverted polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 8000-8004. | 5.2 | 68 |
| 89 | Highly Sensitive Organic Photodetectors with Tunable Spectral Response under Biâ€Directional Bias. Advanced Optical Materials, 2016, 4, 1711-1717. | 3.6 | 75 |
| 90 | Efficient ternary organic photovoltaic cells with better trade-off photon harvesting and phase separation by doping DIB-SQ. Journal of Materials Chemistry C, 2016, 4, 7809-7816. | 2.7 | 12 |

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|---|---|---|---|
| 91 | High-performance alloy model-based ternary small molecule solar cells. Nano Energy, 2016, 30, 276-282. | 8.2 | 60 |
| 92 | Controllable thin-film morphology and structure for 2,7-dioctyl[1]benzothieno[3,2- b ][1]benzothiophene (C8BTBT) based organic field-effect transistors. Organic Electronics, 2016, 36, 73-81. | 1.4 | 55 |
| 93 | Efficient and stable polymer solar cells with electrochemical deposition of CuSCN as an anode interlayer. RSC Advances, 2016, 6, 56845-56850. | 1.7 | 8 |
| 94 | Highly efficient ternary polymer solar cells by optimizing photon harvesting and charge carrier transport. Nano Energy, 2016, 22, 241-254. | 8.2 | 196 |
| 95 | Adjusting acceptor redistribution for highly efficient solvent additive-free polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 3202-3208. | 2.7 | 8 |
| 96 | Interface degradation of perovskite solar cells and its modification using an annealing-free TiO2 NPs layer. Organic Electronics, 2016, 30, 30-35. | 1.4 | 100 |
| 97 | Versatile ternary organic solar cells: a critical review. Energy and Environmental Science, 2016, 9, 281-322. | 15.6 | 585 |
| 98 | Optimization of charge carrier transport balance for performance improvement of PDPP3T-based polymer solar cells prepared using a hot solution. Physical Chemistry Chemical Physics, 2015, 17, 9835-9840. | 1.3 | 23 |
| 99 | High efficient ternary polymer solar cells based on absorption complementary materials as electron donor. Solar Energy Materials and Solar Cells, 2015, 141, 154-161. | 3.0 | 33 |
| 100 | Efficiency improved for inverted polymer solar cells with electrostatically self-assembled BenMeIm-Cl ionic liquid layer as cathode interface layer. Nano Energy, 2015, 13, 275-282. | 8.2 | 74 |
| 101 | Revealing the effect of donor/acceptor intermolecular arrangement on organic solar cells performance based on two-dimensional conjugated small molecule as electron donor. Organic Electronics, 2015, 24, 30-36. | 1.4 | 16 |
| 102 | Simultaneous Improvement in Short Circuit Current, Open Circuit Voltage, and Fill Factor of Polymer Solar Cells through Ternary Strategy. ACS Applied Materials & Interfaces, 2015, 7, 3691-3698. | 4.0 | 114 |
| 103 | Novel solution-processible small molecules based on benzo[1,2-b:3,4-bâ€²:5,6-bâ€²â€²]trithiophene for effective organic photovoltaics with high open-circuit voltage. RSC Advances, 2015, 5, 14540-14546. | 1.7 | 11 |
| 104 | Synthesis, characterization, and photovoltaic performance of the polymers based on thiophene-2,5-bis((2-ethylhexyl)oxy) benzene-thiophene. Organic Electronics, 2015, 20, 142-149. | 1.4 | 22 |
| 105 | Efficient inverted polymer solar cells based on conjugated polyelectrolyte and zinc oxide modified ITO electrode. Applied Physics Letters, 2015, 106, 083302. | 1.5 | 12 |
| 106 | Efficient small molecular ternary solar cells by synergistically optimized photon harvesting and phase separation. Journal of Materials Chemistry A, 2015, 3, 16653-16662. | 5.2 | 72 |
| 107 | An efficient polymer solar cell using graphene oxide interface assembled via layer-by-layer deposition. Organic Electronics, 2015, 23, 110-115. | 1.4 | 37 |
| 108 | Synthesis and photovoltaic properties of the acceptor pended pushâ€“pull conjugated polymers incorporating thieno[3,2â€“b] thiophene in the backbone chain or side chains. Dyes and Pigments, 2015, 120, 44-51. | 2.0 | 14 |

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| 109 | Achieving EQE of 16,700% in P3HT:PC71BM based photodetectors by trap-assisted photomultiplication. Scientific Reports, 2015, 5, 9181. | 1.6 | 165 |
| 110 | Unique insight into phase separation in polymer solar cells from their electric characteristics. Physical Chemistry Chemical Physics, 2015, 17, 29671-29678. | 1.3 | 9 |
| 111 | Two-dimensional quinoxaline based low bandgap conjugated polymers for bulk-heterojunction solar cells. Polymer Chemistry, 2015, 6, 7436-7446. | 1.9 | 9 |
| 112 | The underlying reason of DIO additive on the improvement polymer solar cells performance. Applied Surface Science, 2014, 305, 221-226. | 3.1 | 44 |
| 113 | Workâ€Functionâ€Tunable Chlorinated Graphene Oxide as an Anode Interface Layer in Highâ€Efficiency Polymer Solar Cells. Advanced Energy Materials, 2014, 4, 1400591. | 10.2 | 85 |
| 114 | Bandgap Tunable Zn<sub>1â€x</sub>Mg<sub>x</sub>O Thin Films as Highly Transparent Cathode Buffer Layers for Highâ€Performance Inverted Polymer Solar Cells. Advanced Energy Materials, 2014, 4, 1301404. | 10.2 | 93 |
| 115 | Design and synthesis of triazoloquinoxaline polymers with positioning alkyl or alkoxyl chains for organic photovoltaics cells. Polymer Chemistry, 2014, 5, 1163-1172. | 1.9 | 21 |
| 116 | A non-fullerene acceptor with all â€œAâ€•units realizing high open-circuit voltage solution-processed organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 2657. | 5.2 | 21 |
| 117 | Enhanced performance of polymer solar cells by employing a ternary cascade energy structure. Physical Chemistry Chemical Physics, 2014, 16, 16103-16109. | 1.3 | 24 |
| 118 | Improved Efficiency of Bulk Heterojunction Polymer Solar Cells by Doping Low-Bandgap Small Molecules. ACS Applied Materials & Interfaces, 2014, 6, 6537-6544. | 4.0 | 91 |
| 119 | Enhanced performance of polymer solar cells by dipole-assisted hole extraction. Solar Energy Materials and Solar Cells, 2014, 130, 15-19. | 3.0 | 16 |
| 120 | Control of Nanomorphology in All-Polymer Solar Cells via Assembling Nanoaggregation in a Mixed Solution. ACS Applied Materials & Interfaces, 2014, 6, 2350-2355. | 4.0 | 25 |
| 121 | High efficiency inverted polymer solar cells with room-temperature titanium oxide/polyethylenimine films as electron transport layers. Journal of Materials Chemistry A, 2014, 2, 17281-17285. | 5.2 | 66 |
| 122 | High efficiency organic/a-Si hybrid tandem solar cells with complementary light absorption. Journal of Materials Chemistry A, 2014, 2, 15303. | 5.2 | 18 |
| 123 | Conventional polymer solar cells with power conversion efficiencies increased to >9% by a combination of methanol treatment and an anionic conjugated polyelectrolyte interface layer. RSC Advances, 2014, 4, 50988-50992. | 1.7 | 14 |
| 124 | Synthesis and photovoltaic characterization of thiadiazole based low bandgap polymers. Thin Solid Films, 2014, 562, 75-83. | 0.8 | 15 |
| 125 | Key issues and recent progress of high efficient organic light-emitting diodes. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 17, 69-104. | 5.6 | 83 |
| 126 | Enhanced performance of polymer solar cells through sensitization by a narrow band gap polymer. Solar Energy Materials and Solar Cells, 2013, 118, 30-35. | 3.0 | 49 |

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|---|---|---|---|
| 127 | Inverted polymer solar cells with TiO2 electron extraction layers prepared by magnetron sputtering. Science China Chemistry, 2013, 56, 1573-1577. | 4.2 | 12 |
| 128 | Thermal annealing influence on poly(3-hexyl-thiophene)/phenyl-C61-butyric acid methyl ester-based solar cells with anionic conjugated polyelectrolyte as cathode interface layer. Applied Physics Letters, 2012, 101, . | 1.5 | 17 |
| 129 | Chemically modified graphene oxides as a hole transport layer in organic solar cells. Chemical Communications, 2012, 48, 8078. | 2.2 | 105 |
| 130 | Influence of PC60BM or PC70BM as electron acceptor on the performance of polymer solar cells. Solar Energy Materials and Solar Cells, 2012, 97, 71-77. | 3.0 | 95 |
| 131 | Toward n-channel organic thin film transistors based on a distyryl-bithiophene derivatives. Tetrahedron, 2012, 68, 4664-4671. | 1.0 | 5 |
| 132 | Formation of intra-island grain boundaries in pentacene monolayers. Physical Chemistry Chemical Physics, 2011, 13, 21102. | 1.3 | 6 |
| 133 | Recent development of the inverted configuration organic solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 1785-1799. | 3.0 | 210 |
| 134 | Key role of molecular kinetic energy inÂearlyÂstages ofÂpentacene island growth. Applied Physics A: Materials Science and Processing, 2009, 95, 21-27. | 1.1 | 24 |
| 135 | Influence of Phenyl Perfluorination on Charge Transport Properties of Distyryl-Oligothiophenes in Organic Field-Effect Transistors. Journal of Physical Chemistry C, 2009, 113, 1567-1574. | 1.5 | 22 |
| 136 | Grainâ€Boundary Evolution in a Pentacene Monolayer. Advanced Materials, 2008, 20, 3254-3257. | 11.1 | 45 |
| 137 | Micropatterning of metal films coated on polymer surfaces with epoxy mold and its application to organic field effect transistor fabrication. Applied Physics Letters, 2004, 85, 831-833. | 1.5 | 15 |
| 138 | Micropatterning of Organic Semiconductor Microcrystalline Materials and OFET Fabrication by â€œHot Lift Offâ€• Journal of the American Chemical Society, 2003, 125, 15278-15279. | 6.6 | 71 |
| 139 | Bottom-contact organic field-effect transistors having low-dielectric layer under source and drain electrodes. Applied Physics Letters, 2003, 82, 3967-3969. | 1.5 | 67 |