# Xiong Gong

## List of Publications by Year in descending order

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|---|---|---|---|
| 175 papers | 15,045 citations | 18465 62 h-index | 18633 119 g-index |
| 183 all docs | 183 docs citations | 183 times ranked | 16924 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A mechanistic survey of Alzheimer's disease. Biophysical Chemistry, 2022, 281, 106735. | 1.5 | 34 |
| 2 | Solution-processed bulk heterojunction broadband photodetectors based on perovskites incorporated with PbSe quantum dots. Organic Electronics, 2022, 101, 106410. | 1.4 | 3 |
| 3 | Bulk heterojunction perovskite solar cells incorporated with p-type low optical gap conjugated polymers. Nano Energy, 2022, 93, 106907. | 8.2 | 12 |
| 4 | Solution-processed broadband photodetectors without transparent conductive oxide electrodes. Journal of Materials Chemistry C, 2022, 10, 2783-2791. | 2.7 | 4 |
| 5 | Highâ€Performance Ternary Perovskiteâ€“Organic Solar Cells. Advanced Materials, 2022, 34, e2109348. | 11.1 | 34 |
| 6 | Effect of External Magnetic Field on Bulk Heterojunction Polymer Solar Cells. Macromolecular Rapid Communications, 2022, , 2100933. | 2.0 | 2 |
| 7 | Origins of the Photocurrent Multiplication Effect in the Polythiopheneâ€Based Photodetectors. Macromolecular Rapid Communications, 2022, , 2100928. | 2.0 | 0 |
| 8 | Stable and efficient perovskite solar cells by discrete two-dimensional perovskites capped on the three-dimensional perovskites bilayer thin film. Nano Energy, 2022, 96, 107126. | 8.2 | 14 |
| 9 | Recent progress in the allâ€solidâ€state flexible supercapacitors. SmartMat, 2022, 3, 349-383. | 6.4 | 21 |
| 10 | Solution-Processed Ternary Perovskite-Organic Broadband Photodetectors with Ultrahigh Detectivity. ACS Applied Materials & Interfaces, 2022, 14, 18744-18750. | 4.0 | 17 |
| 11 | Efficient and Stable Perovskite Solar Cells by B-Site Compositional Engineered All-Inorganic Perovskites and Interface Passivation. ACS Applied Materials & Interfaces, 2022, 14, 19469-19479. | 4.0 | 13 |
| 12 | Repurposing of intestinal defensins as multi-target, dual-function amyloid inhibitors via cross-seeding. Chemical Science, 2022, 13, 7143-7156. | 3.7 | 6 |
| 13 | Conjugated molecule based 2D perovskites for high-performance perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 21910-21917. | 5.2 | 8 |
| 14 | Repurposing a Cardiovascular Disease Drug of Cloridarol as hIAPP Inhibitor. ACS Chemical Neuroscience, 2021, 12, 1419-1427. | 1.7 | 15 |
| 15 | Lowâ€dimensional perovskite materials and theirâ€‰optoelectronics. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 1039-1069. | 8.5 | 39 |
| 16 | Solid-State Double-Network Hydrogel Redox Electrolytes for High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 34168-34177. | 4.0 | 16 |
| 17 | Machine Learning-Enabled Repurposing and Design of Antifouling Polymer Brushes. Chemical Engineering Journal, 2021, 420, 129872. | 6.6 | 17 |
| 18 | Molecular Engineering of Polyaniline with Ultrathin Polydopamine and Monolayer Graphene for All-Solid-State Flexible Microsupercapacitors. ACS Applied Energy Materials, 2021, 4, 10069-10080. | 2.5 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A negative piezo-conductive effect from doped semiconducting polymer thin films. Scientific Reports, 2021, 11, 18222. | 1.6 | 3 |
| 20 | A General Crosslinker Strategy to Realize Intrinsic Frozen Resistance of Hydrogels. Advanced Materials, 2021, 33, e2104006. | 11.1 | 82 |
| 21 | Two-/Three-Dimensional Perovskite Bilayer Thin Films Post-Treated with Solvent Vapor for High-Performance Perovskite Photovoltaics. ACS Applied Materials & Interfaces, 2021, 13, 49104-49113. | 4.0 | 12 |
| 22 | High performance perovskites solar cells by hybrid perovskites co-crystallized with poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 8.2 | 46 |
| 23 | Multiple Physical Bonds to Realize Highly Tough and Self-Adhesive Double-Network Hydrogels. ACS Applied Polymer Materials, 2020, 2, 1031-1042. | 2.0 | 39 |
| 24 | Introduction and Fundamentals of Human Islet Amyloid Polypeptide Inhibitors. ACS Applied Bio Materials, 2020, 3, 8286-8308. | 2.3 | 20 |
| 25 | Enhanced thermoelectric performance of F4-TCNQ doped FASnI<sub>3</sub> thin films. Journal of Materials Chemistry A, 2020, 8, 25431-25442. | 5.2 | 25 |
| 26 | All-Solid-State Asymmetric Supercapacitors with Novel Ionic Liquid Gel Electrolytes. ACS Applied Electronic Materials, 2020, 2, 3906-3914. | 2.0 | 12 |
| 27 | The compositional engineering of organicâ€“inorganic hybrid perovskites for high-performance perovskite solar cells. Emergent Materials, 2020, 3, 727-750. | 3.2 | 10 |
| 28 | Highly stretchable, self-adhesive, biocompatible, conductive hydrogels as fully polymeric strain sensors. Journal of Materials Chemistry A, 2020, 8, 20474-20485. | 5.2 | 147 |
| 29 | Wireless portable light-weight self-charging power packs by perovskite-organic tandem solar cells integrated with solid-state asymmetric supercapacitors. Nano Energy, 2020, 78, 105397. | 8.2 | 32 |
| 30 | Poly(Ethylene Glycol) Diacrylate as the Passivation Layer for High-Performance Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 45045-45055. | 4.0 | 24 |
| 31 | Novel Quasi-2D Perovskites for Stable and Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 51744-51755. | 4.0 | 34 |
| 32 | Recent Advancements and Challenges for Low-Toxicity Perovskite Materials. ACS Applied Materials & Interfaces, 2020, 12, 26776-26811. | 4.0 | 89 |
| 33 | High-Performance Perovskite Solar Cells by One-Step Self-Assembled Perovskite-Polymer Thin Films. ACS Applied Energy Materials, 2020, 3, 5902-5912. | 2.5 | 23 |
| 34 | Enhanced Device Performance of Perovskite Photovoltaics by Magnetic Fieldâ€Aligned Perovskitesâ€Magnetic Nanoparticles Composite Thin Film. Advanced Functional Materials, 2020, 30, 2002808. | 7.8 | 10 |
| 35 | Solution-Processed Polymeric Thin Film as the Transparent Electrode for Flexible Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 15456-15463. | 4.0 | 16 |
| 36 | Molecular simulations and understanding of antifouling zwitterionic polymer brushes. Journal of Materials Chemistry B, 2020, 8, 3814-3828. | 2.9 | 78 |

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| 37 | Computational Investigation of Antifouling Property of Polyacrylamide Brushes. Langmuir, 2020, 36, 2757-2766. | 1.6 | 25 |
| 38 | Bulk heterojunction perovskite solar cells incorporated with solution-processed TiOx nanoparticles as the electron acceptors. Chinese Chemical Letters, 2020, 31, 2249-2253. | 4.8 | 11 |
| 39 | Solutionâ€Processed Flexible Broadband Photodetectors with Solutionâ€Processed Transparent Polymeric Electrode. Advanced Functional Materials, 2020, 30, 1909487. | 7.8 | 61 |
| 40 | Ultrasensitive and high gain solution-processed perovskite photodetectors by CH3NH3PbI2.55Br0.45:Zn2SnO4 bulk heterojunction composite. Emergent Materials, 2020, 3, 1-7. | 3.2 | 10 |
| 41 | Simple Thermal Pretreatment Strategy to Tune Mechanical and Antifouling Properties of Zwitterionic Hydrogels. Langmuir, 2019, 35, 1828-1836. | 1.6 | 22 |
| 42 | Two-Dimensional Conjugated Polymeric Nanocrystals for Organic Electronics. ACS Applied Electronic Materials, 2019, 1, 1458-1464. | 2.0 | 9 |
| 43 | Design of salt-responsive and regenerative antibacterial polymer brushes with integrated bacterial resistance, killing, and release properties. Journal of Materials Chemistry B, 2019, 7, 5762-5774. | 2.9 | 48 |
| 44 | Bulk Heterojunction Perovskite Solar Cells Incorporated with Zn<sub>2</sub>SnO<sub>4</sub> Nanoparticles as the Electron Acceptors. ACS Applied Materials & Interfaces, 2019, 11, 34020-34029. | 4.0 | 38 |
| 45 | Allâ€Solidâ€State Asymmetric Supercapacitors with Metal Selenides Electrodes and Ionic Conductive Composites Electrolytes. Advanced Functional Materials, 2019, 29, 1904182. | 7.8 | 45 |
| 46 | Efficient Perovskite Solar Cells through Suppressed Nonradiative Charge Carrier Recombination by a Processing Additive. ACS Applied Materials & Interfaces, 2019, 11, 40163-40171. | 4.0 | 17 |
| 47 | Functionality of Nonâ€Fullerene Electron Acceptors in Ternary Organic Solar Cells. Solar Rrl, 2019, 3, 1900322. | 3.1 | 26 |
| 48 | Solution-Processed Ultrahigh Detectivity Photodetectors by Hybrid Perovskite Incorporated with Heterovalent Neodymium Cations. ACS Omega, 2019, 4, 15873-15878. | 1.6 | 13 |
| 49 | Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. Nano Energy, 2019, 61, 352-360. | 8.2 | 89 |
| 50 | Organic field-effect optical waveguides: a new break-through all organic optoelectronics. Science China Chemistry, 2019, 62, 293-294. | 4.2 | 2 |
| 51 | Ultrasensitive Solution-Processed Broadband PbSe Photodetectors through Photomultiplication Effect. ACS Applied Materials & Interfaces, 2019, 11, 9205-9212. | 4.0 | 28 |
| 52 | A zwitterionic polymer as an interfacial layer for efficient and stable perovskite solar cells. RSC Advances, 2019, 9, 30317-30324. | 1.7 | 13 |
| 53 | Fundamentals of cross-seeding of amyloid proteins: an introduction. Journal of Materials Chemistry B, 2019, 7, 7267-7282. | 2.9 | 87 |
| 54 | Allâ€Solidâ€State Flexible Asymmetric Supercapacitors Fabricated by the Binderâ€Free Hydrophilic Carbon Cloth@MnO<sub>2</sub> and Hydrophilic Carbon Cloth@Polypyrrole Electrodes. Advanced Electronic Materials, 2019, 5, 1800721. | 2.6 | 39 |

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| 55 | Genistein: A Dual Inhibitor of Both Amyloid Î² and Human Islet Amylin Peptides. ACS Chemical Neuroscience, 2018, 9, 1215-1224. | 1.7 | 80 |
| 56 | Cesium-Doped Vanadium Oxide as the Hole Extraction Layer for Efficient Perovskite Solar Cells. ACS Omega, 2018, 3, 1117-1125. | 1.6 | 42 |
| 57 | Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. Advanced Energy Materials, 2018, 8, 1703178. | 10.2 | 98 |
| 58 | Solution-processed broadband polymer photodetectors with a spectral response of up to 2.5 Î¼m by a low bandgap donorâ€“acceptor conjugated copolymer. Journal of Materials Chemistry C, 2018, 6, 3634-3641. | 2.7 | 79 |
| 59 | Roomâ€Temperatureâ€Operated Ultrasensitive Broadband Photodetectors by Perovskite Incorporated with Conjugated Polymer and Singleâ€Wall Carbon Nanotubes. Advanced Functional Materials, 2018, 28, 1705541. | 7.8 | 69 |
| 60 | Efficient Perovskite Solar Cells with Reduced Photocurrent Hysteresis through Tuned Crystallinity of Hybrid Perovskite Thin Films. ACS Omega, 2018, 3, 7069-7076. | 1.6 | 8 |
| 61 | Ultrasensitive Perovskite Photodetectors by Co Partially Substituted Hybrid Perovskite. ACS Sustainable Chemistry and Engineering, 2018, 6, 12055-12060. | 3.2 | 18 |
| 62 | Enhanced thermoelectric properties of two-dimensional conjugated polymers. Emergent Materials, 2018, 1, 67-76. | 3.2 | 20 |
| 63 | Efficient Polymer Solar Cells by Lithium Sulfonated Polystyrene as a Charge Transport Interfacial Layer. ACS Applied Materials & Interfaces, 2017, 9, 5348-5357. | 4.0 | 33 |
| 64 | Efficient Organic Solar Cells with Polymer-Small Molecule: Fullerene Ternary Active Layers. ACS Omega, 2017, 2, 1786-1794. | 1.6 | 11 |
| 65 | Ni<sub>0.85</sub>Se@MoSe<sub>2</sub> Nanosheet Arrays as the Electrode for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 17067-17075. | 4.0 | 220 |
| 66 | Solution-processed vanadium oxide thin film as the hole extraction layer for efficient hysteresis-free perovskite hybrid solar cells. Organic Electronics, 2017, 47, 85-93. | 1.4 | 29 |
| 67 | Inverted polymer solar cells with Zn 2 SnO 4 nanoparticles as the electron extraction layer. Chinese Chemical Letters, 2017, 28, 1755-1759. | 4.8 | 3 |
| 68 | Seed-Induced Heterogeneous Cross-Seeding Self-Assembly of Human and Rat Islet Polypeptides. ACS Omega, 2017, 2, 784-792. | 1.6 | 25 |
| 69 | Perovskite hybrid solar cells with a fullerene derivative electron extraction layer. Journal of Materials Chemistry C, 2017, 5, 4190-4197. | 2.7 | 24 |
| 70 | Comparative Study of Graphene Hydrogels and Aerogels Reveals the Important Role of Buried Water in Pollutant Adsorption. Environmental Science & Technology, 2017, 51, 12283-12292. | 4.6 | 114 |
| 71 | Radical polymers as interfacial layers in inverted hybrid perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 23831-23839. | 5.2 | 44 |
| 72 | A solution-processed near-infrared polymer: PbS quantum dot photodetectors. RSC Advances, 2017, 7, 34633-34637. | 1.7 | 17 |

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| 73 | Efficient Perovskite Hybrid Solar Cells by Highly Electrical Conductive PEDOT:PSS Hole Transport Layer. Advanced Energy Materials, 2016, 6, 1501773. | 10.2 | 133 |
| 74 | Synthesis of mediumâ€bandgap Ï€â€Conjugated polymers based on isomers of 5â€Alkylphenanthridinâ€6(5H)â€one and 6â€Alkoxylphenanthridine. Journal of Polymer Science Part A, 2016, 54, 2119-2127. | 2.5 | 10 |
| 75 | Efficient Perovskite Hybrid Photovoltaics via Alcoholâ€Vapor Annealing Treatment. Advanced Functional Materials, 2016, 26, 101-110. | 7.8 | 117 |
| 76 | Inverted organic photovoltaic cells. Chemical Society Reviews, 2016, 45, 2937-2975. | 18.7 | 185 |
| 77 | PbS quantum dots-induced trap-assisted charge injection in perovskite photodetectors. Nano Energy, 2016, 30, 27-35. | 8.2 | 91 |
| 78 | A comparative study of the mechanical properties of hybrid double-network hydrogels in swollen and as-prepared states. Journal of Materials Chemistry B, 2016, 4, 5814-5824. | 2.9 | 62 |
| 79 | Highly electrically conductive polyethylenedioxythiophene thin films for thermoelectric applications. Journal of Materials Chemistry A, 2016, 4, 12730-12738. | 5.2 | 20 |
| 80 | Harnessing Structureâ€“Property Relationshipsfor Poly(alkyl thiophene)â€“Fullerene Derivative Thin Filmsto Optimize Performance in Photovoltaic Devices. Advanced Functional Materials, 2016, 26, 1908-1920. | 7.8 | 7 |
| 81 | Confined molecular motion across liquid/liquid interfaces in a triphasic reaction towards free-standing conductive polymer tube arrays. Journal of Materials Chemistry A, 2016, 4, 6290-6294. | 5.2 | 7 |
| 82 | Interfacial engineering for high performance organic photovoltaics. Materials Today, 2016, 19, 169-177. | 8.3 | 31 |
| 83 | Solution-processed VO<sub>x</sub>prepared using a novel synthetic method as the hole extraction layer for polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 1953-1958. | 2.7 | 14 |
| 84 | High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO<sub>x</sub> Electron Extraction Layer. ACS Applied Materials & Interfaces, 2016, 8, 1876-1883. | 4.0 | 40 |
| 85 | Low bandgap semiconducting polymers for polymeric photovoltaics. Chemical Society Reviews, 2016, 45, 4825-4846. | 18.7 | 461 |
| 86 | Efficient Perovskite Hybrid Solar Cells via Ionomer Interfacial Engineering. Advanced Functional Materials, 2015, 25, 6875-6884. | 7.8 | 57 |
| 87 | Optimizing Lightâ€Harvesting Polymers via Side Chain Engineering. Advanced Functional Materials, 2015, 25, 6458-6469. | 7.8 | 33 |
| 88 | Efficient Inverted Polymer Solar Cells Through Modified Electron Extraction Layer. IEEE Journal of Photovoltaics, 2015, 5, 912-916. | 1.5 | 7 |
| 89 | Efficient Small-Molecule-Based Inverted Organic Solar Cells With Conjugated Polyelectrolyte as a Cathode Interlayer. IEEE Journal of Photovoltaics, 2015, 5, 1118-1124. | 1.5 | 5 |
| 90 | Efficient Perovskite Hybrid Solar Cells Through a Homogeneous Highâ€Quality Organolead Iodide Layer. Small, 2015, 11, 3369-3376. | 5.2 | 47 |

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|---|---|---|---|
| 91 | Single-Junction Polymer Solar Cells with Over 10% Efficiency by a Novel Two-Dimensional Donorâ€“Acceptor Conjugated Copolymer. ACS Applied Materials & Interfaces, 2015, 7, 4928-4935. | 4.0 | 256 |
| 92 | Bulk heterojunction perovskite hybrid solar cells with large fill factor. Energy and Environmental Science, 2015, 8, 1245-1255. | 15.6 | 252 |
| 93 | Efficiencies of perovskite hybrid solar cells influenced by film thickness and morphology of CH3NH3PbI3â^'xClx layer. Organic Electronics, 2015, 21, 19-26. | 1.4 | 56 |
| 94 | Polymorphic Associations and Structures of the Cross-Seeding of AÎ²<sub>1â€“42</sub> and hIAPP<sub>1â€“37</sub> Polypeptides. Journal of Chemical Information and Modeling, 2015, 55, 1628-1639. | 2.5 | 28 |
| 95 | Interfacial interaction and lateral association of cross-seeding assemblies between hIAPP and rIAPP oligomers. Physical Chemistry Chemical Physics, 2015, 17, 10373-10382. | 1.3 | 27 |
| 96 | Enhanced Thermoelectric Properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) by Binary Secondary Dopants. ACS Applied Materials & Interfaces, 2015, 7, 8984-8989. | 4.0 | 93 |
| 97 | Selfâ€Powered Electronics by Integration of Flexible Solidâ€State Grapheneâ€Based Supercapacitors with High Performance Perovskite Hybrid Solar Cells. Advanced Functional Materials, 2015, 25, 2420-2427. | 7.8 | 142 |
| 98 | Tuning the ambipolar charge transport properties of N-heteropentacenes by their frontier molecular orbital energy levels. Journal of Materials Chemistry C, 2015, 3, 4188-4196. | 2.7 | 33 |
| 99 | Ultrasensitive solution-processed perovskite hybrid photodetectors. Journal of Materials Chemistry C, 2015, 3, 6600-6606. | 2.7 | 104 |
| 100 | Effects of Magnetic Nanoparticles and External Magnetostatic Field on the Bulk Heterojunction Polymer Solar Cells. Scientific Reports, 2015, 5, 9265. | 1.6 | 52 |
| 101 | Efficient Solutionâ€Processed Bulk Heterojunction Perovskite Hybrid Solar Cells. Advanced Energy Materials, 2015, 5, 1402024. | 10.2 | 99 |
| 102 | Understanding the Halogenation Effects in Diketopyrrolopyrrole-Based Small Molecule Photovoltaics. ACS Applied Materials & Interfaces, 2015, 7, 19914-19922. | 4.0 | 37 |
| 103 | Polyaniline-Modified Oriented Graphene Hydrogel Film as the Free-Standing Electrode for Flexible Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 23932-23940. | 4.0 | 77 |
| 104 | Efficient Perovskite Hybrid Solar Cells via Controllable Crystallization Film Morphology. IEEE Journal of Photovoltaics, 2015, 5, 1402-1407. | 1.5 | 4 |
| 105 | Ultrasensitive solution-processed broad-band photodetectors using CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub>perovskite hybrids and PbS quantum dots as light harvesters. Nanoscale, 2015, 7, 16460-16469. | 2.8 | 106 |
| 106 | High Performance Planar Heterojunction Perovskite Solar Cells with Fullerene Derivatives as the Electron Transport Layer. ACS Applied Materials & Interfaces, 2015, 7, 1153-1159. | 4.0 | 99 |
| 107 | Efficient polymer solar cells fabricated from solvent processing additive solution. Journal of Materials Chemistry C, 2015, 3, 26-32. | 2.7 | 17 |
| 108 | Room-Temperature, Solution-Processed MoO<sub>x</sub> Thin Film as a Hole Extraction Layer to Substitute PEDOT/PSS in Polymer Solar Cells. ACS Photonics, 2014, 1, 87-90. | 3.2 | 20 |

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| 109 | Protonation process of conjugated polyelectrolytes on enhanced power conversion efficiency in the inverted polymer solar cells. Journal of Photonics for Energy, 2014, 4, 043099. | 0.8 | 7 |
| 110 | High-detectivity inverted near-infrared polymer photodetectors using cross-linkable conjugated polyfluorene as an electron extraction layer. Journal of Materials Chemistry C, 2014, 2, 9592-9598. | 2.7 | 38 |
| 111 | Conductive Water/Alcohol-Soluble Neutral Fullerene Derivative as an Interfacial Layer for Inverted Polymer Solar Cells with High Efficiency. ACS Applied Materials & Interfaces, 2014, 6, 14189-14195. | 4.0 | 22 |
| 112 | Cross-Sequence Interactions between Human and Rat Islet Amyloid Polypeptides. Langmuir, 2014, 30, 5193-5201. | 1.6 | 20 |
| 113 | Enhanced Performance of Polymer Solar Cells using PEDOT:PSS Doped with Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanoparticles Aligned by an External Magnetostatic Field as an Anode Buffer Layer. ACS Applied Materials & Interfaces, 2014, 6, 13201-13208. | 4.0 | 30 |
| 114 | The influence of binary processing additives on the performance of polymer solar cells. Nanoscale, 2014, 6, 14297-14304. | 2.8 | 51 |
| 115 | A solution-processable diketopyrrolopyrrole dye molecule with (fluoronaphthyl)thienyl endgroups for organic solar cells. Dyes and Pigments, 2014, 101, 51-57. | 2.0 | 40 |
| 116 | Highâ€Performance Inverted Organic Photovoltaics with Over 1â€¼m Thick Active Layers. Advanced Energy Materials, 2014, 4, 1400378. | 10.2 | 83 |
| 117 | Probing structureâ€“antifouling activity relationships of polyacrylamides and polyacrylates. Biomaterials, 2013, 34, 4714-4724. | 5.7 | 77 |
| 118 | Towards high performance inverted polymer solar cells. Current Opinion in Chemical Engineering, 2013, 2, 125-131. | 3.8 | 7 |
| 119 | Molecular Weight Effect on the Efficiency of Polymer Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 12163-12167. | 4.0 | 111 |
| 120 | Water-soluble CdTe quantum dots as an anode interlayer for solution-processed near infrared polymer photodetectors. Nanoscale, 2013, 5, 12474. | 2.8 | 24 |
| 121 | Fine-Tuning of Fluorinated Thieno[3,4-b]thiophene Copolymer for Efficient Polymer Solar Cells. Journal of Physical Chemistry C, 2013, 117, 4358-4363. | 1.5 | 38 |
| 122 | Solution-Processed High-Detectivity Near-Infrared Polymer Photodetectors Fabricated by a Novel Low-Bandgap Semiconducting Polymer. Journal of Physical Chemistry C, 2013, 117, 6537-6543. | 1.5 | 63 |
| 123 | Pyridinium salt-based molecules as cathode interlayers for enhanced performance in polymer solar cells. Journal of Materials Chemistry A, 2013, 1, 3387. | 5.2 | 43 |
| 124 | Dual Functionality of Antimicrobial and Antifouling of Poly(N-hydroxyethylacrylamide)/Salicylate Hydrogels. Langmuir, 2013, 29, 1517-1524. | 1.6 | 95 |
| 125 | A Series of New Mediumâ€Bandgap Conjugated Polymers Based on Naphtho[1,2â€c:5,6â€c]bis(2â€octylâ€[1,2,3]triazole) for Highâ€Performance Polymer Solar Cells. Advanced Materials, 2013, 25, 3683-3688. | 11.1 | 125 |
| 126 | Solution-Processed Fe<sub>3</sub>O<sub>4</sub> Magnetic Nanoparticle Thin Film Aligned by an External Magnetostatic Field as a Hole Extraction Layer for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 10325-10330. | 4.0 | 51 |

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|---|---|---|---|
| 127 | Zinc Oxide Nanowire As an Electron-Extraction Layer for Broadband Polymer Photodetectors with an Inverted Device Structure. Journal of Physical Chemistry C, 2012, 116, 13650-13653. | 1.5 | 44 |
| 128 | Solution-Processed Ultrasensitive Polymer Photodetectors with High External Quantum Efficiency and Detectivity. ACS Applied Materials & Interfaces, 2012, 4, 3701-3705. | 4.0 | 57 |
| 129 | Inverted polymer solar cells with 8.4% efficiency by conjugated polyelectrolyte. Energy and Environmental Science, 2012, 5, 8208. | 15.6 | 616 |
| 130 | Solution-processed near-infrared polymer photodetectors with an inverted device structure. Organic Electronics, 2012, 13, 2929-2934. | 1.4 | 45 |
| 131 | Toward high performance inverted polymer solar cells. Polymer, 2012, 53, 5437-5448. | 1.8 | 59 |
| 132 | Organic photoresponse materials and devices. Chemical Society Reviews, 2012, 41, 1754-1808. | 18.7 | 570 |
| 133 | Polymer Solar Cells with a Lowâ€Temperatureâ€Annealed Solâ€“Gelâ€Derived MoO<sub>x</sub> Film as a Hole Extraction Layer. Advanced Energy Materials, 2012, 2, 523-527. | 10.2 | 97 |
| 134 | A Supramolecular â€œDoubleâ€Cableâ€•Structure with a 129<sub>44</sub> Helix in a Columnar Porphyrinâ€C<sub>60</sub> Dyad and its Application in Polymer Solar Cells. Advanced Energy Materials, 2012, 2, 1375-1382. | 10.2 | 43 |
| 135 | Highly efficient polymer solar cells based on poly(carbazole-alt-thiophene-benzofurazan). New Journal of Chemistry, 2012, 36, 2042. | 1.4 | 42 |
| 136 | Polymer solar cells with an inverted device configuration using polyhedral oligomeric silsesquioxane-[60]fullerene dyad as a novel electron acceptor. Science China Chemistry, 2012, 55, 749-754. | 4.2 | 15 |
| 137 | Large open-circuit voltage polymer solar cells by poly(3-hexylthiophene) with multi-adducts fullerenes. Science China Chemistry, 2012, 55, 743-748. | 4.2 | 6 |
| 138 | Inverted polymer solar cells with a solution-processed zinc oxide thin film as an electron collection layer. Science China Chemistry, 2012, 55, 755-759. | 4.2 | 14 |
| 139 | Synthesis of Tetrachloro-azapentacene as an Ambipolar Organic Semiconductor with High and Balanced Carrier Mobilities. Organic Letters, 2011, 13, 2880-2883. | 2.4 | 83 |
| 140 | Solvent Effect Leading to High Performance of Bulk Heterojunction Polymer Solar Cells by Novel Polysilafluorene Derivatives. Journal of Physical Chemistry C, 2011, 115, 2314-2319. | 1.5 | 18 |
| 141 | Polymer bulk heterojunction solar cells: function and utility of inserting a hole transport and electron blocking layer into the device structure. Journal of Materials Chemistry, 2011, 21, 1365-1367. | 6.7 | 35 |
| 142 | Donorâ€“Acceptor Conjugated Polymer Based on Naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole for High-Performance Polymer Solar Cells. Journal of the American Chemical Society, 2011, 133, 9638-9641. | 6.6 | 598 |
| 143 | Bulk Heterojunction Solar Cells with Large Openâ€Circuit Voltage: Electron Transfer with Small Donorâ€Acceptor Energy Offset. Advanced Materials, 2011, 23, 2272-2277. | 11.1 | 242 |
| 144 | Efficient, Airâ€Stable Bulk Heterojunction Polymer Solar Cells Using MoO<sub>x</sub> as the Anode Interfacial Layer. Advanced Materials, 2011, 23, 2226-2230. | 11.1 | 587 |

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| 145 | A Porphyrinâ€“Fullerene Dyad with a Supramolecular â€œDoubleâ€Cableâ€•Structure as a Novel Electron Acceptor for Bulk Heterojunction Polymer Solar Cells. Advanced Materials, 2011, 23, 2951-2956. | 11.1 | 83 |
| 146 | Bulk Heterojunction Solar Cells with Large Open-Circuit Voltage: Electron Transfer with Small Donor-Acceptor Energy Offset (Adv. Mater. 20/2011). Advanced Materials, 2011, 23, 2271-2271. | 11.1 | 3 |
| 147 | Strain and HÃ¼ckel Aromaticity: Driving Forces for a Promising New Generation of Electron Acceptors in Organic Electronics. Angewandte Chemie - International Edition, 2010, 49, 532-536. | 7.2 | 278 |
| 148 | Novel conjugated alternating copolymer based on 2,7-carbazole and 2,1,3-benzoselenadiazole. Polymer, 2010, 51, 3196-3202. | 1.8 | 50 |
| 149 | Polymer solar cells: Recent development and possible routes for improvement in the performance. Solar Energy Materials and Solar Cells, 2010, 94, 114-127. | 3.0 | 440 |
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