Hongwei Han

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| 113 | 10,221 | 41 | 101 |
|-------------|-----------------------|---------|---------|
| papers | citations | h-index | g-index |
| 121 | 11,671 ext. citations | 11.7 | 6.33 |
| ext. papers | | avg, IF | L-index |

| # | Paper | IF | Citations |
|-----|--|---------------------|-----------|
| 113 | Development of formamidinium lead iodide-based perovskite solar cells: efficiency and stability <i>Chemical Science</i> , 2022 , 13, 2167-2183 | 9.4 | 5 |
| 112 | In Situ Formation of FAPbI3 at the Perovskite/Carbon Interface for Enhanced Photovoltage of Printable Mesoscopic Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2022 , 34, 728-735 | 9.6 | 6 |
| 111 | Interfacial Energy Band Alignment Enables the Reduction of Potential Loss for Hole-Conductor-Free Printable Mesoscopic Perovskite Solar Cells <i>Journal of Physical Chemistry Letters</i> , 2022 , 2144-2149 | 6.4 | 2 |
| 110 | Cl-Assisted Perovskite Crystallization Pathway in the Confined Space of Mesoporous Metal Oxides Unveiled by In Situ Grazing Incidence Wide-Angle X-ray Scattering. <i>Chemistry of Materials</i> , 2022 , 34, 22 | 31 ⁹ 223 | 7 4 |
| 109 | Halide Perovskite Crystallization Processes and Methods in Nanocrystals, Single Crystals and Thin Films <i>Advanced Materials</i> , 2022 , e2200720 | 24 | 7 |
| 108 | Modeling and Balancing the Solvent Evaporation of Thermal Annealing Process for Metal Halide Perovskites and Solar Cells <i>Small Methods</i> , 2022 , e2200161 | 12.8 | 0 |
| 107 | A multifunctional piperidine-based modulator for printable mesoscopic perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022 , 136967 | 14.7 | 2 |
| 106 | Printable Mesoscopic Perovskite Solar Cells 2021 , 431-452 | | |
| 105 | Highly oriented MAPbI3 crystals for efficient hole-conductor-free printable mesoscopic perovskite solar cells. <i>Fundamental Research</i> , 2021 , | | 12 |
| 104 | Tailoring the Dimensionality of Hybrid Perovskites in Mesoporous Carbon Electrodes for Type-II Band Alignment and Enhanced Performance of Printable Hole-Conductor-Free Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2100292 | 21.8 | 40 |
| 103 | Revealing the Role of Bifunctional Molecules in Crystallizing Methylammonium Lead Iodide through Geometric Isomers. <i>Chemistry of Materials</i> , 2021 , 33, 4014-4022 | 9.6 | 3 |
| 102 | Cellulose-Based Oxygen-Rich Activated Carbon for Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2100333 | 7.1 | 4 |
| 101 | A 2D Model for Interfacial Recombination in Mesoscopic Perovskite Solar Cells with Printed Back Contact. <i>Solar Rrl</i> , 2021 , 5, 2000595 | 7.1 | 8 |
| 100 | A Review on Scaling Up Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2008621 | 15.6 | 54 |
| 99 | Enhanced efficiency of printable mesoscopic perovskite solar cells using ionic liquid additives. <i>Chemical Communications</i> , 2021 , 57, 4027-4030 | 5.8 | 7 |
| 98 | Investigating the iodide and bromide ion exchange in metal halide perovskite single crystals and thin films. <i>Chemical Communications</i> , 2021 , 57, 6125-6128 | 5.8 | 1 |
| 97 | Improving Hole-Conductor-Free Fully Printable Mesoscopic Perovskite Solar Cells Performance with Enhanced Open-Circuit Voltage via the Octyltrimethylammonium Chloride Additive. <i>Solar Rrl</i> , 2021 , 5, 2000825 | 7.1 | 1 |

(2020-2021)

| 96 | Improving the Performance of Perovskite Solar Cells via a Novel Additive of N,1-Fluoroformamidinium Iodide with Electron-Withdrawing Fluorine Group. <i>Advanced Functional Materials</i> , 2021 , 31, 2010603 | 15.6 | 17 |
|----|--|------------------|----|
| 95 | Enhanced perovskite electronic properties via A-site cation engineering. <i>Fundamental Research</i> , 2021 , 1, 385-392 | | 16 |
| 94 | Aiming at the industrialization of perovskite solar cells: Coping with stability challenge. <i>Applied Physics Letters</i> , 2021 , 119, 250503 | 3.4 | 1 |
| 93 | A favored crystal orientation for efficient printable mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11148-11154 | 13 | 21 |
| 92 | Influence of precursor concentration on printable mesoscopic perovskite solar cells. <i>Frontiers of Optoelectronics</i> , 2020 , 13, 256-264 | 2.8 | 5 |
| 91 | Post-Treatment of Mesoporous Scaffolds for Enhanced Photovoltage of Triple-Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000185 | 7.1 | 16 |
| 90 | Hole-conductor-free perovskite solar cells. MRS Bulletin, 2020 , 45, 449-457 | 3.2 | 3 |
| 89 | Solar Cells: Crystallization Control of Ternary-Cation Perovskite Absorber in Triple-Mesoscopic Layer for Efficient Solar Cells (Adv. Energy Mater. 5/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 207002 | 2 ^{1.8} | 1 |
| 88 | Efficient triple-mesoscopic perovskite solar mini-modules fabricated with slot-die coating. <i>Nano Energy</i> , 2020 , 74, 104842 | 17.1 | 34 |
| 87 | transfer of CHNHPbI single crystals in mesoporous scaffolds for efficient perovskite solar cells. <i>Chemical Science</i> , 2020 , 11, 474-481 | 9.4 | 13 |
| 86 | Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4691-4697 | 16.4 | 40 |
| 85 | Crystallization Control of Ternary-Cation Perovskite Absorber in Triple-Mesoscopic Layer for Efficient Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1903092 | 21.8 | 47 |
| 84 | Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie</i> , 2020 , 132, 4721-4727 | 3.6 | |
| 83 | Stabilizing Perovskite Solar Cells to IEC61215:2016 Standards with over 9,000-h Operational Tracking. <i>Joule</i> , 2020 , 4, 2646-2660 | 27.8 | 97 |
| 82 | Mesoporous-Carbon-Based Fully-Printable All-Inorganic Monoclinic CsPbBr Perovskite Solar Cells with Ultrastability under High Temperature and High Humidity. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9689-9695 | 6.4 | 12 |
| 81 | Low-temperature fabrication of carbon-electrode based, hole-conductor-free and mesoscopic perovskite solar cells with power conversion efficiency > 12% and storage-stability > 220 days. <i>Applied Physics Letters</i> , 2020 , 117, 163501 | 3.4 | 6 |
| 80 | van der Waals Mixed Valence Tin Oxides for Perovskite Solar Cells as UV-Stable Electron Transport Materials. <i>Nano Letters</i> , 2020 , 20, 8178-8184 | 11.5 | 11 |
| 79 | Synergy effect of electronic characteristics and spatial configurations of electron donors on photovoltaic performance of organic dyes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14453-14461 | 7.1 | 3 |

| 78 | A Review on Additives for Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1902492 | 21.8 | 131 |
|----------------|--|------|-----|
| 77 | Progress in Multifunctional Molecules for Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900248 | 7.1 | 9 |
| 76 | Crystallization Control of Methylammonium-Free Perovskite in Two-Step Deposited Printable Triple-Mesoscopic Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000455 | 7.1 | 11 |
| 75 | Standardizing Perovskite Solar Modules beyond Cells. <i>Joule</i> , 2019 , 3, 2076-2085 | 27.8 | 29 |
| 74 | High performance printable perovskite solar cells based on Cs0.1FA0.9PbI3 in mesoporous scaffolds. <i>Journal of Power Sources</i> , 2019 , 415, 105-111 | 8.9 | 29 |
| 73 | A low-temperature carbon electrode with good perovskite compatibility and high flexibility in carbon based perovskite solar cells. <i>Chemical Communications</i> , 2019 , 55, 2765-2768 | 5.8 | 28 |
| 7 ² | Suppressed Ion Migration in Reduced-Dimensional Perovskites Improves Operating Stability. <i>ACS Energy Letters</i> , 2019 , 4, 1521-1527 | 20.1 | 89 |
| 71 | Screen printing process control for coating high throughput titanium dioxide films toward printable mesoscopic perovskite solar cells. <i>Frontiers of Optoelectronics</i> , 2019 , 12, 344-351 | 2.8 | 13 |
| 7º | Modeling the edge effect for measuring the performance of mesoscopic solar cells with shading masks. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10942-10948 | 13 | 9 |
| 69 | Stability improvement under high efficiencylext stage development of perovskite solar cells. <i>Science China Chemistry</i> , 2019 , 62, 684-707 | 7.9 | 38 |
| 68 | Ethanol stabilized precursors for highly reproducible printable mesoscopic perovskite solar cells. Journal of Power Sources, 2019 , 424, 261-267 | 8.9 | 15 |
| 67 | Encapsulation of Printable Mesoscopic Perovskite Solar Cells Enables High Temperature and Long-Term Outdoor Stability. <i>Advanced Functional Materials</i> , 2019 , 29, 1809129 | 15.6 | 75 |
| 66 | Two-Stage Melt Processing of Phase-Pure Selenium for Printable Triple-Mesoscopic Solar Cells. <i>ACS Applied Materials & Amp; Interfaces</i> , 2019 , 11, 33879-33885 | 9.5 | 9 |
| 65 | Modulation of Acceptor Position in Organic Sensitizers: The Optimization of Intramolecular and Interfacial Charge Transfer Processes. <i>ACS Applied Materials & Description of Interfaces</i> , 2019 , 11, 27648-27657 | 9.5 | 9 |
| 64 | Amide Additives Induced a Fermi Level Shift To Improve the Performance of Hole-Conductor-Free, Printable Mesoscopic Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6865-6872 | 6.4 | 37 |
| 63 | Recent multiple evidences for high stability of perovskite optoelectronic devices. <i>Science Bulletin</i> , 2019 , 64, 1731-1732 | 10.6 | 1 |
| 62 | Spacer layer design for efficient fully printable mesoscopic perovskite solar cells <i>RSC Advances</i> , 2019 , 9, 29840-29846 | 3.7 | 10 |
| 61 | Vanadium Oxide Post-Treatment for Enhanced Photovoltage of Printable Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2619-2625 | 8.3 | 21 |

| 60 | Lead-Free Dion Dacobson Tin Halide Perovskites for Photovoltaics. ACS Energy Letters, 2019, 4, 276-277 | 20.1 | 73 |
|----------------------------|--|---------------------------|---------------------------------|
| 59 | Bifunctional Al2O3 Interlayer Leads to Enhanced Open-Circuit Voltage for Hole-Conductor-Free Carbon-Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800002 | 7.1 | 37 |
| 58 | Improved Performance of Printable Perovskite Solar Cells with Bifunctional Conjugated Organic Molecule. <i>Advanced Materials</i> , 2018 , 30, 1705786 | 24 | 176 |
| 57 | Efficient Perovskite Photovoltaic-Thermoelectric Hybrid Device. <i>Advanced Energy Materials</i> , 2018 , 8, 1702937 | 21.8 | 45 |
| 56 | Chlorine-Incorporation-Induced Formation of the Layered Phase for Antimony-Based Lead-Free Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1019-1027 | 16.4 | 178 |
| 55 | Fully printable hole-conductor-free mesoscopic perovskite solar cells based on mesoporous anatase single crystals. <i>New Journal of Chemistry</i> , 2018 , 42, 2669-2674 | 3.6 | 13 |
| 54 | Mixed (5-AVA)xMA1@PbI3@(BF4)y perovskites enhance the photovoltaic performance of hole-conductor-free printable mesoscopic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2360-23 | 16 ¹³ | 33 |
| 53 | Evidence for Aggregation-Induced Emission from Free Rotation Restriction of Double Bond at Excited State. <i>Organic Letters</i> , 2018 , 20, 373-376 | 6.2 | 79 |
| 52 | A Multifunctional Bis-Adduct Fullerene for Efficient Printable Mesoscopic Perovskite Solar Cells. <i>ACS Applied Materials & District Mat</i> | 9.5 | 25 |
| | | | |
| 51 | Printable carbon-based hole-conductor-free mesoscopic perovskite solar cells: From lab to market. <i>Materials Today Energy</i> , 2018 , 7, 221-231 | 7 | 35 |
| 50 | | 7 | 3553 |
| | Materials Today Energy, 2018, 7, 221-231 Fully printable perovskite solar cells with highly-conductive, low-temperature, | | |
| 50 | Materials Today Energy, 2018, 7, 221-231 Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. Carbon, 2018, 129, 830-836 A C60 Modification Layer Using a Scalable Deposition Technology for Efficient Printable | 10.4 | 53 |
| 50 | Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018 , 129, 830-836 A C60 Modification Layer Using a Scalable Deposition Technology for Efficient Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800174 Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and | 7.1 | 53 |
| 50 49 48 | Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018 , 129, 830-836 A C60 Modification Layer Using a Scalable Deposition Technology for Efficient Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800174 Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and Emerging Techniques. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2707-2713 Extending lead-free hybrid photovoltaic materials to new structures: thiazolium, aminothiazolium | 7.1 | 53 12 78 |
| 50 49 48 47 | Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018 , 129, 830-836 A C60 Modification Layer Using a Scalable Deposition Technology for Efficient Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800174 Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and Emerging Techniques. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2707-2713 Extending lead-free hybrid photovoltaic materials to new structures: thiazolium, aminothiazolium and imidazolium iodobismuthates. <i>Dalton Transactions</i> , 2018 , 47, 7050-7058 Oxygen management in carbon electrode for high-performance printable perovskite solar cells. | 7.1 6.4 4.3 | 53 12 78 26 |
| 50 49 48 47 46 | Fully printable perovskite solar cells with highly-conductive, low-temperature, perovskite-compatible carbon electrode. <i>Carbon</i> , 2018 , 129, 830-836 A C60 Modification Layer Using a Scalable Deposition Technology for Efficient Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800174 Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and Emerging Techniques. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2707-2713 Extending lead-free hybrid photovoltaic materials to new structures: thiazolium, aminothiazolium and imidazolium iodobismuthates. <i>Dalton Transactions</i> , 2018 , 47, 7050-7058 Oxygen management in carbon electrode for high-performance printable perovskite solar cells. <i>Nano Energy</i> , 2018 , 53, 160-167 Organic Dyes based on Tetraaryl-1,4-dihydropyrrolo-[3,2-b]pyrroles for Photovoltaic and Photocatalysis Applications with the Suppressed Electron Recombination. <i>Chemistry - A European</i> | 10.4 7.1 6.4 4.3 | 53 12 78 26 59 |

| 42 | Significantly improved performance of dye-sensitized solar cells by optimizing organic dyes with pyrrole as the isolation spacer and utilizing alkyl chain engineering. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22256-22265 | 13 | 13 |
|----|--|--------------|-----|
| 41 | The Influence of the Work Function of Hybrid Carbon Electrodes on Printable Mesoscopic Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 16481-16487 | 3.8 | 36 |
| 40 | Stable Large-Area (10 🛘 0 cm2) Printable Mesoscopic Perovskite Module Exceeding 10% Efficiency. <i>Solar Rrl</i> , 2017 , 1, 1600019 | 7.1 | 228 |
| 39 | Synergy of ammonium chloride and moisture on perovskite crystallization for efficient printable mesoscopic solar cells. <i>Nature Communications</i> , 2017 , 8, 14555 | 17.4 | 234 |
| 38 | Efficient hole-conductor-free, fully printable mesoscopic perovskite solar cells with carbon electrode based on ultrathin graphite. <i>Carbon</i> , 2017 , 120, 71-76 | 10.4 | 60 |
| 37 | Spacer improvement for efficient and fully printable mesoscopic perovskite solar cells. <i>RSC Advances</i> , 2017 , 7, 10118-10123 | 3.7 | 16 |
| 36 | Novel D-A-EA-Type Organic Dyes Containing a Ladderlike Dithienocyclopentacarbazole Donor for Effective Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2017 , 2, 7048-7056 | 3.9 | 18 |
| 35 | Boron-Doped Graphite for High Work Function Carbon Electrode in Printable Hole-Conductor-Free Mesoscopic Perovskite Solar Cells. <i>ACS Applied Materials & Amp; Interfaces</i> , 2017 , 9, 31721-31727 | 9.5 | 55 |
| 34 | Improvement and Regeneration of Perovskite Solar Cells via Methylamine Gas Post-Treatment. <i>Advanced Functional Materials</i> , 2017 , 27, 1703060 | 15.6 | 68 |
| 33 | Tunable hysteresis effect for perovskite solar cells. <i>Energy and Environmental Science</i> , 2017 , 10, 2383-23 | 35 .4 | 135 |
| 32 | Effect of guanidinium on mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 73-78 | 13 | 119 |
| 31 | Solvent effect on the hole-conductor-free fully printable perovskite solar cells. <i>Nano Energy</i> , 2016 , 27, 130-137 | 17.1 | 113 |
| 30 | Hole-Conductor-Free Fully Printable Mesoscopic Solar Cell with Mixed-Anion Perovskite CH3NH3PbI(3屆)(BF4)x. <i>Advanced Energy Materials</i> , 2016 , 6, 1502009 | 21.8 | 132 |
| 29 | Enhanced electronic properties in CH3NH3PbI3via LiCl mixing for hole-conductor-free printable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16731-16736 | 13 | 72 |
| 28 | Efficient Compact-Layer-Free, Hole-Conductor-Free, Fully Printable Mesoscopic Perovskite Solar Cell. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4142-4146 | 6.4 | 29 |
| 27 | Conjugated or Broken: The Introduction of Isolation Spacer ahead of the Anchoring Moiety and the Improved Device Performance. <i>ACS Applied Materials & Samp; Interfaces</i> , 2016 , 8, 28652-28662 | 9.5 | 11 |
| 26 | The introduction of conjugated isolation groups into the common acceptor cyanoacrylic acid: an efficient strategy to suppress the charge recombination in dye sensitized solar cells and the dramatically improved efficiency from 5.89% to 9.44%. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 16403- | 13 16409 | 26 |
| 25 | Fully printable mesoscopic perovskite solar cells with organic silane self-assembled monolayer. Journal of the American Chemical Society, 2015 , 137, 1790-3 | 16.4 | 345 |

(2012-2015)

| 24 | Outdoor Performance and Stability under Elevated Temperatures and Long-Term Light Soaking of Triple-Layer Mesoporous Perovskite Photovoltaics. <i>Energy Technology</i> , 2015 , 3, 551-555 | 3.5 | 300 |
|----|---|------|------|
| 23 | Improved performance and stability of perovskite solar cells by crystal crosslinking with alkylphosphonic acid 日本mmonium chlorides. <i>Nature Chemistry</i> , 2015 , 7, 703-11 | 17.6 | 898 |
| 22 | The effect of carbon counter electrodes on fully printable mesoscopic perovskite solar cells. Journal of Materials Chemistry A, 2015 , 3, 9165-9170 | 13 | 179 |
| 21 | Beyond Efficiency: the Challenge of Stability in Mesoscopic Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015 , 5, 1501066 | 21.8 | 335 |
| 20 | Similar or Totally Different: the Adjustment of the Twist Conformation Through Minor Structural Modification, and Dramatically Improved Performance for Dye-Sensitized Solar Cell. <i>Advanced Energy Materials</i> , 2015 , 5, 1500846 | 21.8 | 45 |
| 19 | Critical parameters in TiO2/ZrO2/Carbon-based mesoscopic perovskite solar cell. <i>Journal of Power Sources</i> , 2015 , 293, 533-538 | 8.9 | 93 |
| 18 | The size effect of TiO2 nanoparticles on a printable mesoscopic perovskite solar cell. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9103-9107 | 13 | 137 |
| 17 | Cooperative kinetics of depolarization in CH3NH3PbI3 perovskite solar cells. <i>Energy and Environmental Science</i> , 2015 , 8, 910-915 | 35.4 | 102 |
| 16 | Highly ordered mesoporous carbon for mesoscopic CH3NH3PbI3/TiO2 heterojunction solar cell. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8607 | 13 | 80 |
| 15 | Enhancement of monobasal solid-state dye-sensitized solar cells with polymer electrolyte assembling imidazolium iodide-functionalized silica nanoparticles. <i>Journal of Power Sources</i> , 2014 , 248, 283-288 | 8.9 | 28 |
| 14 | Efficient monolithic quasi-solid-state dye-sensitized solar cells based on poly(ionic liquids) and carbon counter electrodes. <i>RSC Advances</i> , 2014 , 4, 9271 | 3.7 | 17 |
| 13 | A hole-conductor-free, fully printable mesoscopic perovskite solar cell with high stability. <i>Science</i> , 2014 , 345, 295-8 | 33.3 | 2374 |
| 12 | Hole-Conductor-Free Mesoscopic TiO2/CH3NH3PbI3 Heterojunction Solar Cells Based on Anatase Nanosheets and Carbon Counter Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2160-4 | 6.4 | 211 |
| 11 | Organic dyes incorporating N-functionalized pyrrole as conjugated bridge for dye-sensitized solar cells: Convenient synthesis, additional withdrawing group on the Ebridge and the suppressed aggregation. <i>Dyes and Pigments</i> , 2013 , 99, 863-870 | 4.6 | 31 |
| 10 | Full printable processed mesoscopic CHNHPbI/TiOIheterojunction solar cells with carbon counter electrode. <i>Scientific Reports</i> , 2013 , 3, 3132 | 4.9 | 574 |
| 9 | Attempt to improve the performance of pyrrole-containing dyes in dye sensitized solar cells by adjusting isolation groups. <i>ACS Applied Materials & Discrete Section</i> , 2013, 5, 12469-77 | 9.5 | 42 |
| 8 | High performance organic sensitizers based on 11,12-bis(hexyloxy) dibenzo[a,c]phenazine for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18830 | | 83 |
| 7 | Monolithic all-solid-state dye-sensitized solar module based on mesoscopic carbon counter electrodes. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 105, 148-152 | 6.4 | 22 |

| 6 | Highly efficient poly(3-hexylthiophene) based monolithic dye-sensitized solar cells with carbon counter electrode. <i>Energy and Environmental Science</i> , 2011 , 4, 2025 | 35.4 | 64 |
|---|--|------------|----|
| 5 | Minimizing the Voltage Loss in Hole-Conductor-Free Printable Mesoscopic Perovskite Solar Cells. <i>Advanced Energy Materials</i> ,2102229 | 21.8 | 13 |
| 4 | Halogen Bond Involved Post-Treatment for Improved Performance of Printable Hole-Conductor-Free Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> ,2100851 | 7.1 | 3 |
| | | | |
| 3 | Series Resistance Modulation for Large-Area Fully Printable Mesoscopic Perovskite Solar Cells. <i>Solar Rrl</i> ,2100554 | 7.1 | 5 |
| 2 | | 7.1 6.1 | 5 |